

Datarapport: Kornstørrelsesfordeling

Laboratorie analyser for Danmarks Fiskeriundersøgelser

I. Nørgaard & M. R. Pedersen



Datarapport: Kornstørrelsesfordeling

Laboratorie analyser for Danmarks Fiskeriundersøgelser

I. Nørgaard & M. R. Pedersen

Stationsskema Tobis Cattleya dec 2005 togt E349 05

[illegible]

12	65 VV 0.2 m2		22:00				55	59	947		5	17	821	39		
14	71 VV 0.2 m2	00:31		55	53	368	5	8	895					35		
14	72 VV 0.2 m2													35		
14	73 VV 0.2 m2													35		
14	74 VV 0.2 m2													35		
14	75 VV 0.2 m2		00:47							55	53	300	5	8	870	35
15	81 VV 0.2 m2	03:00		55	46	924	5	3	837					31		
15	82 VV 0.2 m2													31		
15	83 VV 0.2 m2													31		
15	84 VV 0.2 m2													31		
15	85 VV 0.2 m2		03:23							55	46	870	5	3	585	31
18	91 VV 0.2 m2	17:02		54	59	186	1	50	804					20		
18	92 VV 0.2 m2													20		
18	93 VV 0.2 m2													20		
18	94 VV 0.2 m2													20		
18	95 VV 0.2 m2		18:23							54	59	139	1	50	613	20
20	101 VV 0.2 m2	20:15		55	4	347	1	23	336					31		
20	102 VV 0.2 m2													31		
20	103 VV 0.2 m2													31		
20	104 VV 0.2 m2													31		
20	105 VV 0.2 m2		20:36							55	4	303	1	22	621	31
21	111 VV 0.2 m2	22:35		55	1	225	1	21	91					30		
21	112 VV 0.2 m2													30		
21	113 VV 0.2 m2													30		
21	114 VV 0.2 m2													30		
21	115 VV 0.2 m2		23:00							55	0	942	1	20	817	30
22	121 VV 0.2 m2	01:37		54	51	175	1	25	894					22		
22	122 VV 0.2 m2													22		
22	123 VV 0.2 m2													22		
22	124 VV 0.2 m2													22		
22	125 VV 0.2 m2		01:56							54	51	267	1	25	759	22
24	131 VV 0.2 m2	04:32		54	40	204	1	6	645					31		
24	132 VV 0.2 m2													31		
24	133 VV 0.2 m2													31		
24	134 VV 0.2 m2													31		
24	135 VV 0.2 m2		05:19							54	40	405	1	6	147	31

28	141 VV 0.2 m2	15:47		54	8	992	2	3	680							24	
28	142 VV 0.2 m2															24	
28	143 VV 0.2 m2															24	
28	144 VV 0.2 m2															24	
28	145 VV 0.2 m2		16:12							54	9	51		2	3	603	24
3493	151 VV 0.2 m2	19:13		54	11	383	1	34	727							26	
3493	152 VV 0.2 m2															26	
3493	153 VV 0.2 m2															26	
3493	154 VV 0.2 m2															26	
3493	155 VV 0.2 m2		19:35							54	11	554		1	34	438	26
501	161 VV 0.2 m2	23:39		54	12	340	0	50	323							33	
501	162 VV 0.2 m2															33	
501	163 VV 0.2 m2															33	
501	164 VV 0.2 m2															33	
501	165 VV 0.2 m2		00:03							54	12	300		0	50	380	33
502	171 VV 0.2 m2	02:03		54	15	748	0	47	94							30	
502	172 VV 0.2 m2															30	
502	173 VV 0.2 m2															30	
502	174 VV 0.2 m2															30	
502	175 VV 0.2 m2		02:23							54	15	785		0	46	839	30
503	181 VV 0.2 m2	04:30		54	18	958	0	55	7							30	
503	182 VV 0.2 m2															30	
503	183 VV 0.2 m2															30	
503	184 VV 0.2 m2															30	
503	185 VV 0.2 m2		04:59							54	19	401		0	54	338	30
402	191 VV 0.2 m2	15:07		54	33	970	1	15	907							20	
402	192 VV 0.2 m2															20	
402	193 VV 0.2 m2															20	
402	194 VV 0.2 m2															20	
402	195 VV 0.2 m2		15:26							54	33	999		1	15	835	20
25	201 VV 0.2 m2	18:00		54	32	291	1	34	37							20	
25	202 VV 0.2 m2															20	
25	203 VV 0.2 m2															20	
25	204 VV 0.2 m2															20	
25	205 VV 0.2 m2		18:14							54	32	439		1	34	90	20
401	211 VV 0.2 m2	19:50		54	32	500	1	37	700							18	

[illegible]

16	298 VV 0.2 m2									28
16	299 VV 0.2 m2									28
16	300 VV 0.2 m2		05:52				55 28 999	4 24 794		28
504	306 VV 0.2 m2	16:40		54 57 929	6 55 517					26
504	307 VV 0.2 m2									26
504	308 VV 0.2 m2									26
504	309 VV 0.2 m2									26
504	310 VV 0.2 m2		17:06			54 57 978	6 55 668			26
505	316 VV 0.2 m2	20:25		55 7 500	7 17 733					19
505	317 VV 0.2 m2									19
505	318 VV 0.2 m2									19
505	319 VV 0.2 m2									19
505	320 VV 0.2 m2		20:53			55 7 581	7 17 774			19

Prøvebehandling

GEUS har foretaget analyser på 155 sedimentprøver fra togt E349 05.

Ved modtagelsen af prøverne er de blevet registreret med følgende 5 kategorier:

- dato
- lokalitet
- fortløbende laboratorienummer
- rekvirent
- analysekrav

Analysemetoder

Sigteanalyse:

Prøven er tørret og sigtet gennem en sigtesøjle fra 32 mm ned til 0,063 mm med $\frac{1}{2}$ phi intervaller. Metoden er tillempet i forhold til DS 405.9 idet der er indføjet flere sigter end der beskrives i denne standard.

Kornkurven:

Som udgangspunkt for kornstørrelsesanalysen er anvendt DS 405.9.

Resultater

I bilag 1 er vist kornkurven for sedimentprøverne. Kornkurven viser fordeling af sand, silt og ler i prøverne.

Referencer

Dansk Standard DS 405.9. Kornstørrelsesfordeling bestemt ved sigteanalyse. Dansk Standardiseringsråd, Kbh. 1978.

Bilag 1

Grain Size Distribution

Geotechnical

Sample Id: Station 1
Lab. Id: 060588
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,62 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,02	0,02	99,98
1,00	0,00	0,06	0,06	99,92
0,710	0,49	0,12	0,11	99,81
0,500	1,00	1,71	1,60	98,21
0,355	1,49	14,66	13,75	84,46
0,250	2,00	43,51	40,81	43,65
0,180	2,47	37,69	35,35	8,30
0,125	3,00	7,40	6,94	1,36
0,090	3,47	0,52	0,49	0,87
0,075	3,74	0,04	0,04	0,83
0,063	3,99	0,02	0,02	0,82
< 0,063	> 3,99	0,87	0,82	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,82
Sand, fine (0,063 mm - 0,200 mm):	17,58
Sand, medium (0,2 mm - 0,6 mm):	80,57
Sand, coarse (0,6 mm - 2 mm):	1,03
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,47	1,10
16%	84%	0,35	1,50
25%	75%	0,33	1,60
40%	60%	0,29	1,78
Median 50%	50%	0,27	1,91
75%	25%	0,21	2,23
84%	16%	0,20	2,36
90%	10%	0,18	2,45
95%	5%	0,15	2,70

Moments Statistics

Mean	1,92
Sorting	0,46
Skewness	0,02
Kurtosis	1,03
Uniformity Coefficient	1,59

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

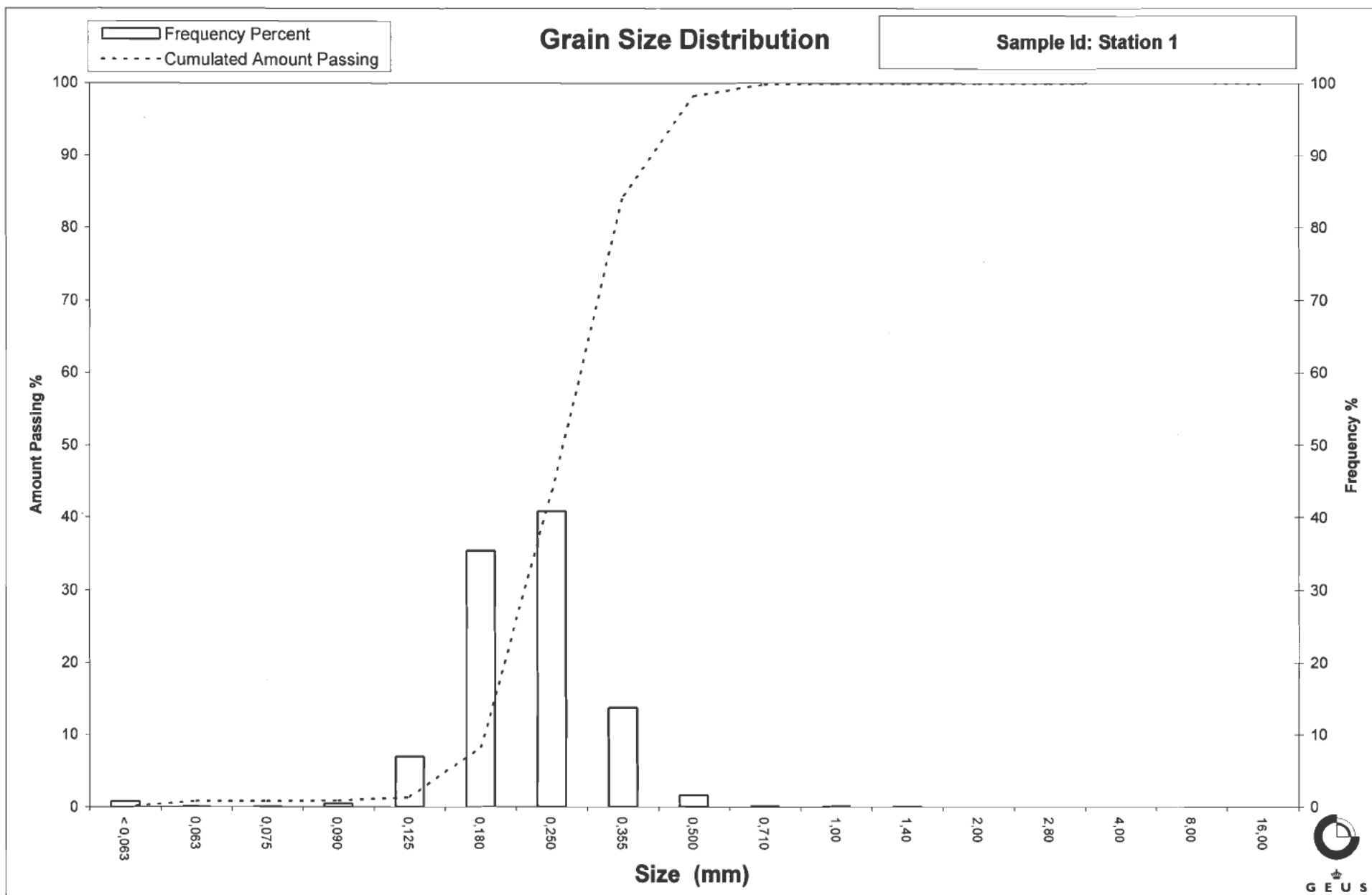
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 2
Lab. Id: 060589
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,65 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,07	0,07	99,93
1,00	0,00	0,10	0,10	99,84
0,710	0,49	0,28	0,27	99,57
0,500	1,00	2,15	2,07	97,49
0,355	1,49	15,69	15,14	82,35
0,250	2,00	45,15	43,56	38,79
0,180	2,47	32,26	31,12	7,67
0,125	3,00	6,72	6,48	1,19
0,090	3,47	0,49	0,47	0,71
0,075	3,74	0,04	0,04	0,68
0,063	3,99	0,01	0,01	0,67
< 0,063	> 3,99	0,69	0,67	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,67
Sand, fine (0,063 mm - 0,200 mm):	15,90
Sand, medium (0,2 mm - 0,6 mm):	81,92
Sand, coarse (0,6 mm - 2 mm):	1,52
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,48	1,07
16%	84%	0,37	1,43
25%	75%	0,34	1,57
40%	60%	0,30	1,73
Median 50%	50%	0,28	1,85
75%	25%	0,22	2,19
84%	16%	0,20	2,33
90%	10%	0,19	2,43
95%	5%	0,16	2,67

Moments Statistics

Mean	1,87
Sorting	0,47
Skewness	0,04
Kurtosis	1,05
Uniformity Coefficient	1,63

The analysis is executed according to DS 405.9
 extended by sieves to the ½ phi scale

Size Classes and Percentiles
 are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

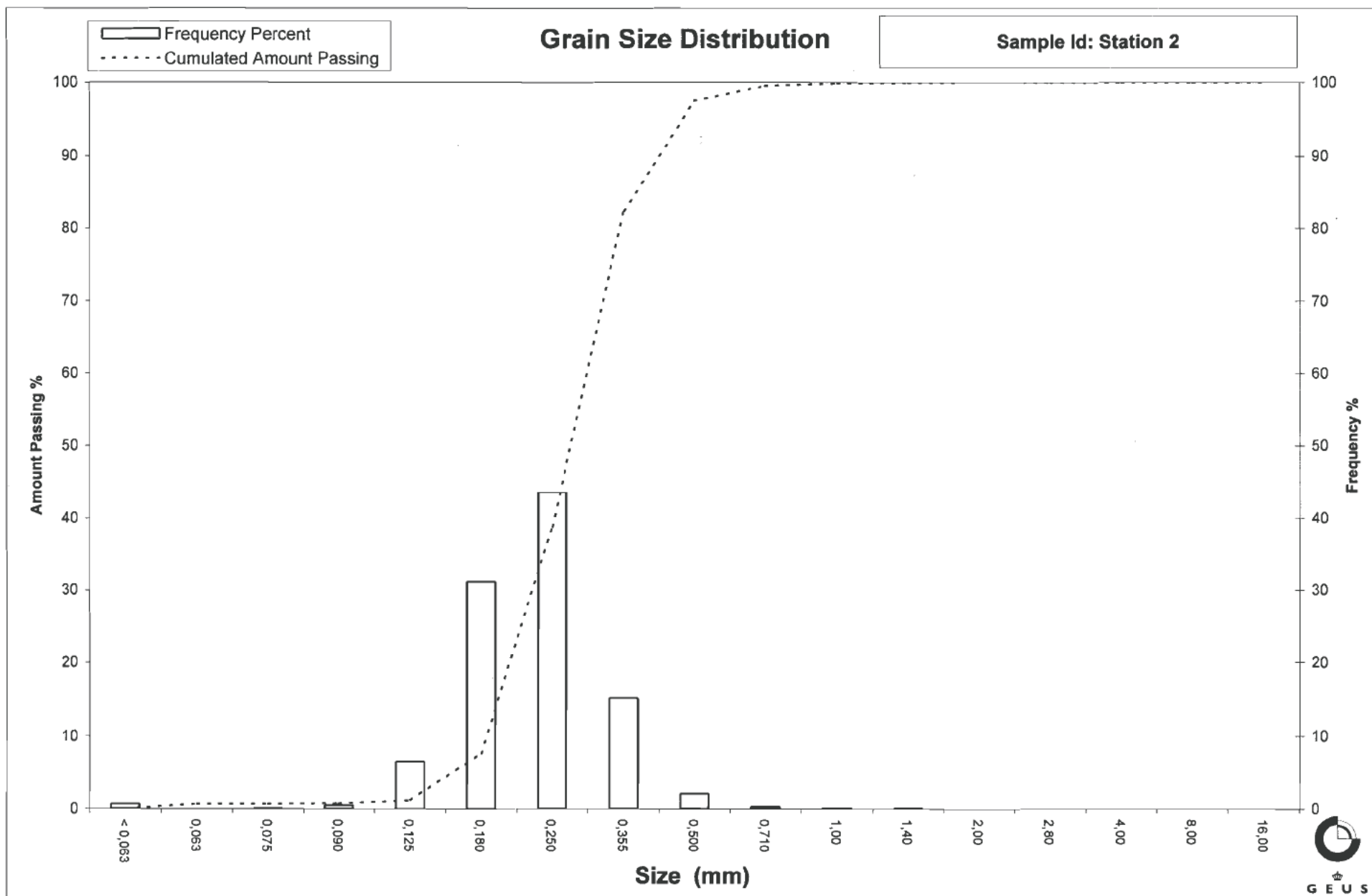
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on
 "Amount in sieve". Uniformity coefficient is based on
 "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 3
Lab. Id: 060590
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 112,53 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,01	0,01	99,99
1,00	0,00	0,09	0,08	99,91
0,710	0,49	0,08	0,07	99,84
0,500	1,00	1,28	1,14	98,70
0,355	1,49	12,05	10,71	87,99
0,250	2,00	41,48	36,86	51,13
0,180	2,47	45,47	40,41	10,73
0,125	3,00	10,04	8,92	1,80
0,090	3,47	0,70	0,62	1,18
0,075	3,74	0,05	0,04	1,14
0,063	3,99	0,02	0,02	1,12
< 0,063	> 3,99	1,26	1,12	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,12
Sand, fine (0,063 mm - 0,200 mm):	21,15
Sand, medium (0,2 mm - 0,6 mm):	76,97
Sand, coarse (0,6 mm - 2 mm):	0,76
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,45	1,15
16%	84%	0,34	1,54
25%	75%	0,32	1,65
40%	60%	0,28	1,86
Median 50%	50%	0,25	2,01
75%	25%	0,20	2,29
84%	16%	0,19	2,40
90%	10%	0,18	2,51
95%	5%	0,14	2,79

Moments Statistics

Mean	1,98
Sorting	0,46
Skewness	-0,07
Kurtosis	1,06
Uniformity Coefficient	1,57

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

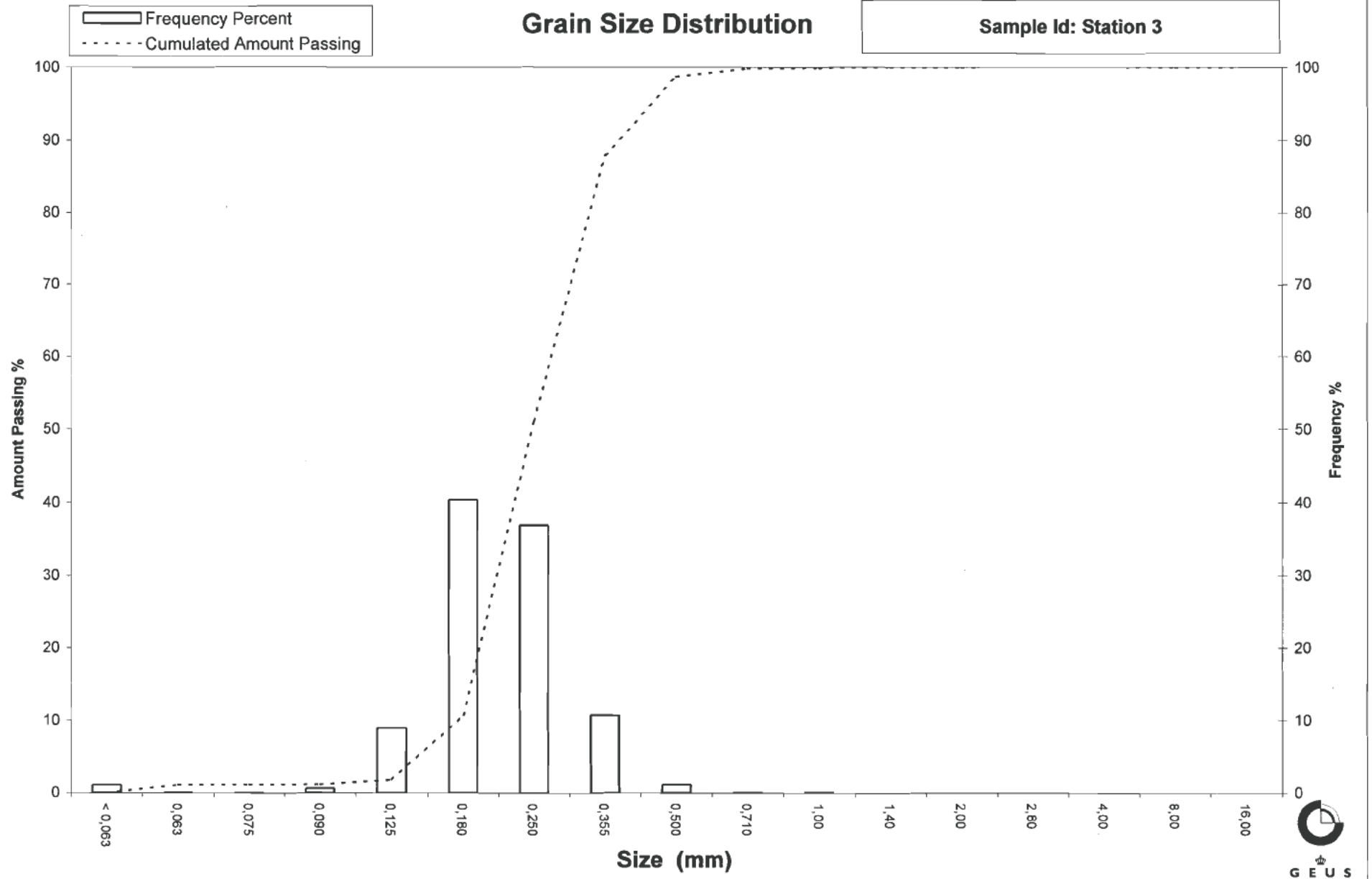
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 3



Grain Size Distribution

Geotechnical

Sample Id: Station 4
Lab. Id: 060591
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 111,62 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,00	0,00	100,00
1,00	0,00	0,05	0,04	99,96
0,710	0,49	0,06	0,05	99,90
0,500	1,00	0,66	0,59	99,31
0,355	1,49	8,37	7,50	91,81
0,250	2,00	38,95	34,90	56,92
0,180	2,47	50,87	45,57	11,34
0,125	3,00	11,02	9,87	1,47
0,090	3,47	0,69	0,62	0,85
0,075	3,74	0,05	0,04	0,81
0,063	3,99	0,02	0,02	0,79
< 0,063	> 3,99	0,88	0,79	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,79
Sand, fine (0,063 mm - 0,200 mm):	23,57
Sand, medium (0,2 mm - 0,6 mm):	75,23
Sand, coarse (0,6 mm - 2 mm):	0,41
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,42	1,26
16%	84%	0,33	1,59
25%	75%	0,30	1,72
40%	60%	0,26	1,95
Median 50%	50%	0,24	2,06
75%	25%	0,20	2,31
84%	16%	0,19	2,42
90%	10%	0,17	2,54
95%	5%	0,14	2,79

Moments Statistics

Mean	2,02
Sorting	0,44
Skewness	-0,09
Kurtosis	1,04
Uniformity Coefficient	1,50

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

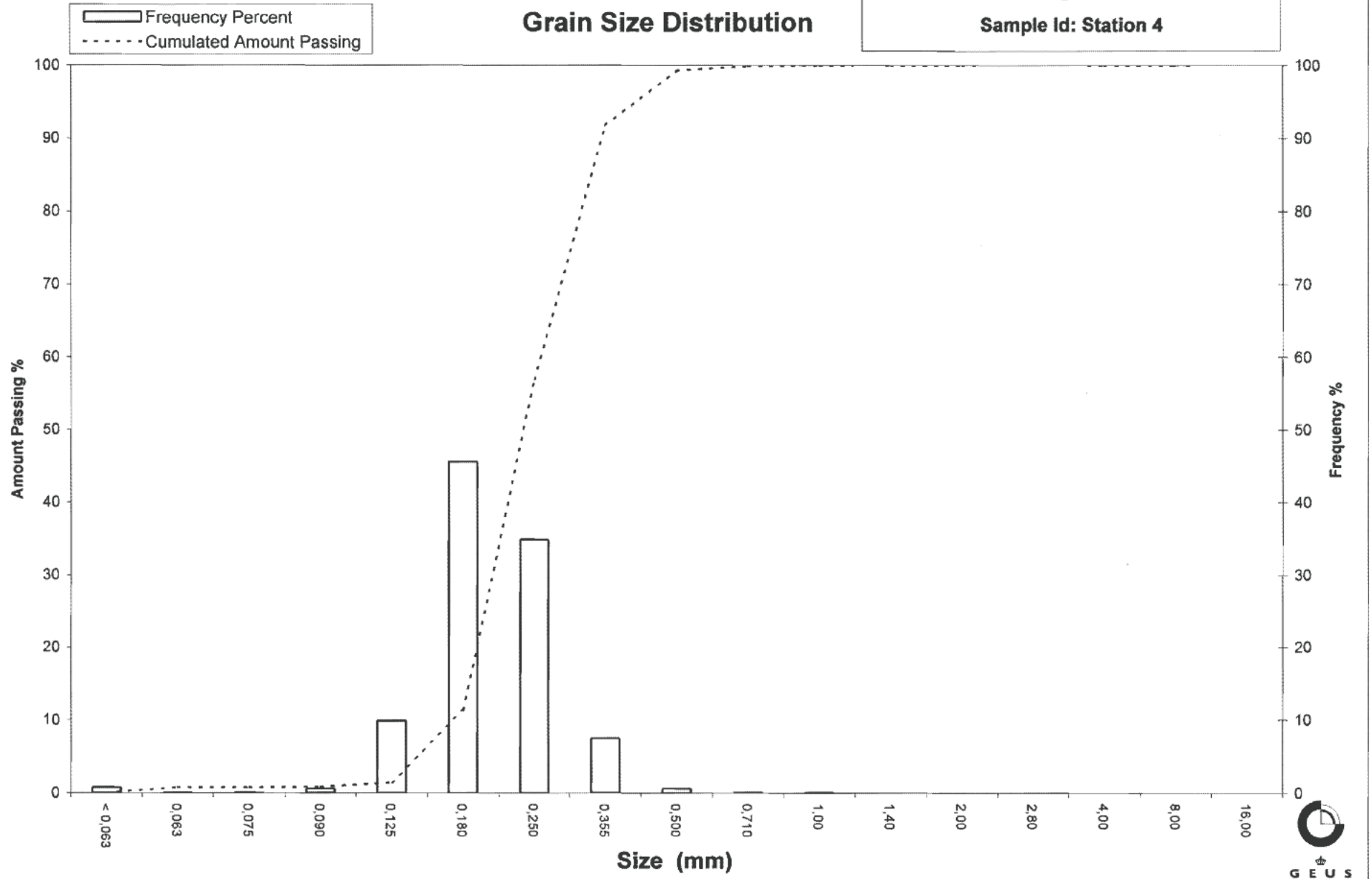
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 4



Grain Size Distribution

Geotechnical

Sample Id: Station 5
Lab. Id: 060592
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,26 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,01	0,01	99,99
1,00	0,00	0,16	0,15	99,84
0,710	0,49	0,09	0,08	99,76
0,500	1,00	1,04	0,95	98,81
0,355	1,49	10,51	9,62	89,19
0,250	2,00	39,97	36,58	52,61
0,180	2,47	45,93	42,04	10,57
0,125	3,00	9,86	9,02	1,55
0,090	3,47	0,68	0,62	0,92
0,075	3,74	0,04	0,04	0,89
0,063	3,99	0,01	0,01	0,88
< 0,063	> 3,99	0,96	0,88	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,88
Sand, fine (0,063 mm - 0,200 mm):	21,70
Sand, medium (0,2 mm - 0,6 mm):	76,68
Sand, coarse (0,6 mm - 2 mm):	0,74
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,44	1,18
16%	84%	0,34	1,56
25%	75%	0,31	1,67
40%	60%	0,27	1,88
Median 50%	50%	0,25	2,03
75%	25%	0,20	2,29
84%	16%	0,19	2,40
90%	10%	0,18	2,50
95%	5%	0,15	2,78

Moments Statistics

Mean	1,99
Sorting	0,45
Skewness	-0,08
Kurtosis	1,05
Uniformity Coefficient	1,54

The analysis is executed according to DS 405.9
 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles
 are found by linear interpolation

Formulas

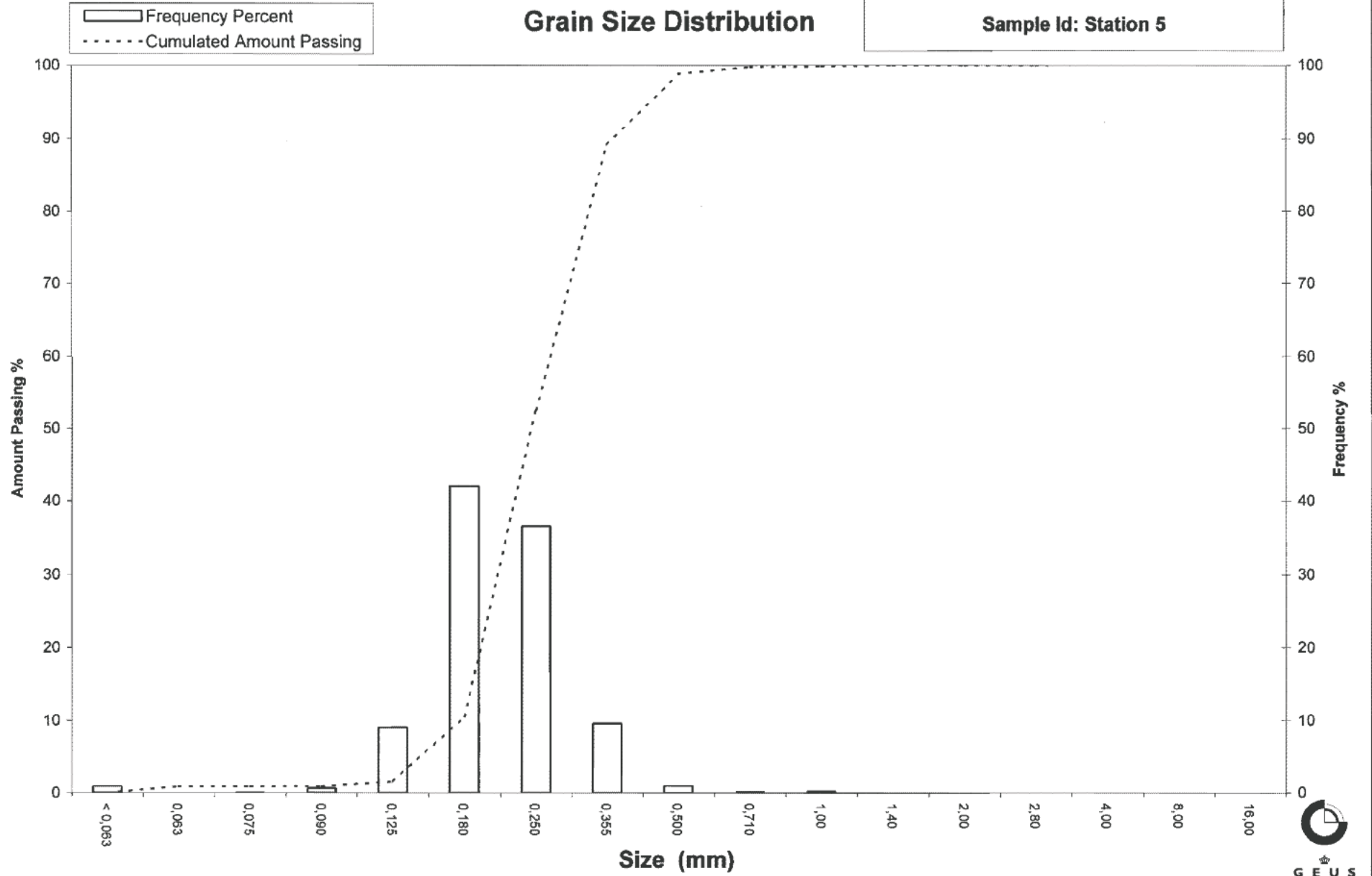
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on
 "Amount in sieve". Uniformity coefficient is based on
 "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 5



Grain Size Distribution

Geotechnical

Sample Id: Station 11
Lab. Id: 060593
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,85 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,19	0,17	99,83
2,80	-1,49	0,02	0,02	99,81
2,00	-1,00	0,11	0,10	99,71
1,40	-0,49	0,33	0,30	99,40
1,00	0,00	0,67	0,62	98,78
0,710	0,49	2,40	2,20	96,58
0,500	1,00	10,92	10,03	86,55
0,355	1,49	34,16	31,38	55,16
0,250	2,00	43,63	40,08	15,08
0,180	2,47	12,33	11,33	3,75
0,125	3,00	2,28	2,09	1,66
0,090	3,47	0,30	0,28	1,38
0,075	3,74	0,06	0,06	1,33
0,063	3,99	0,04	0,04	1,29
< 0,063	> 3,99	1,41	1,29	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,29
Sand, fine (0,063 mm - 0,200 mm):	5,70
Sand, medium (0,2 mm - 0,6 mm):	84,33
Sand, coarse (0,6 mm - 2 mm):	8,38
Gravel (> 2 mm):	0,29
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,68	0,56
16%	84%	0,49	1,03
25%	75%	0,45	1,16
40%	60%	0,38	1,41
Median 50%	50%	0,34	1,55
75%	25%	0,28	1,86
84%	16%	0,25	1,99
90%	10%	0,22	2,19
95%	5%	0,19	2,41

Moments Statistics

Mean	1,52
Sorting	0,52
Skewness	-0,08
Kurtosis	1,09
Uniformity Coefficient	1,73

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

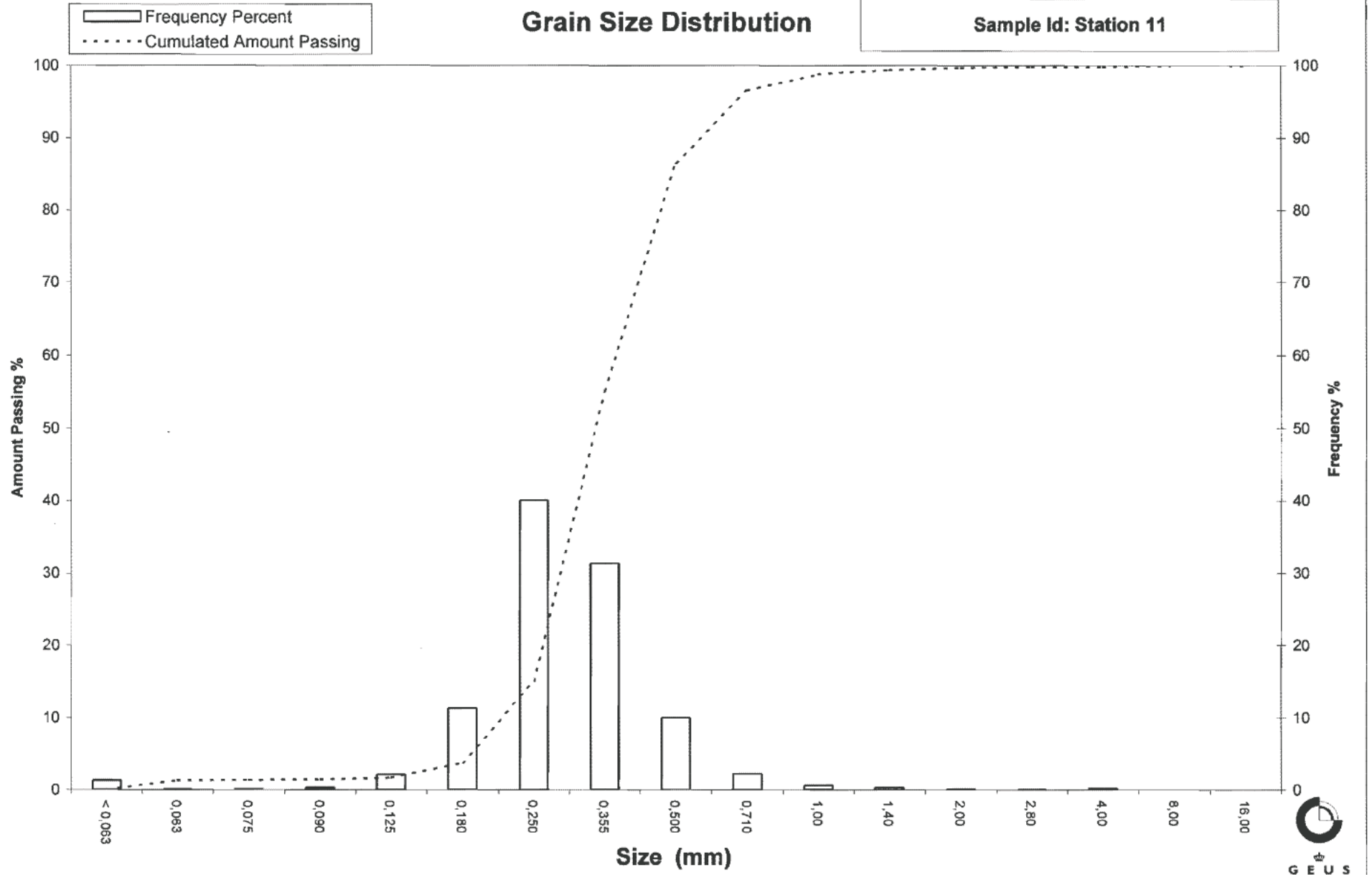
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 11



Grain Size Distribution

Geotechnical

Sample Id: Station 12
Lab. Id: 060594
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 111,61 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,68	0,61	99,39
2,80	-1,49	0,48	0,43	98,96
2,00	-1,00	0,46	0,41	98,55
1,40	-0,49	0,79	0,71	97,84
1,00	0,00	1,53	1,37	96,47
0,710	0,49	3,66	3,28	93,19
0,500	1,00	12,69	11,37	81,82
0,355	1,49	39,39	35,29	46,53
0,250	2,00	37,97	34,02	12,51
0,180	2,47	11,00	9,86	2,65
0,125	3,00	1,65	1,48	1,17
0,090	3,47	0,23	0,21	0,97
0,075	3,74	0,03	0,03	0,94
0,063	3,99	0,01	0,01	0,93
< 0,063	> 3,99	1,04	0,93	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,93
Sand, fine (0,063 mm - 0,200 mm):	4,54
Sand, medium (0,2 mm - 0,6 mm):	81,77
Sand, coarse (0,6 mm - 2 mm):	11,31
Gravel (> 2 mm):	1,45
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,87	0,20
16%	84%	0,54	0,89
25%	75%	0,47	1,08
40%	60%	0,41	1,29
Median 50%	50%	0,37	1,44
75%	25%	0,29	1,79
84%	16%	0,26	1,94
90%	10%	0,23	2,11
95%	5%	0,20	2,35

Moments Statistics

Mean	1,42
Sorting	0,59
Skewness	-0,10
Kurtosis	1,24
Uniformity Coefficient	1,77

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

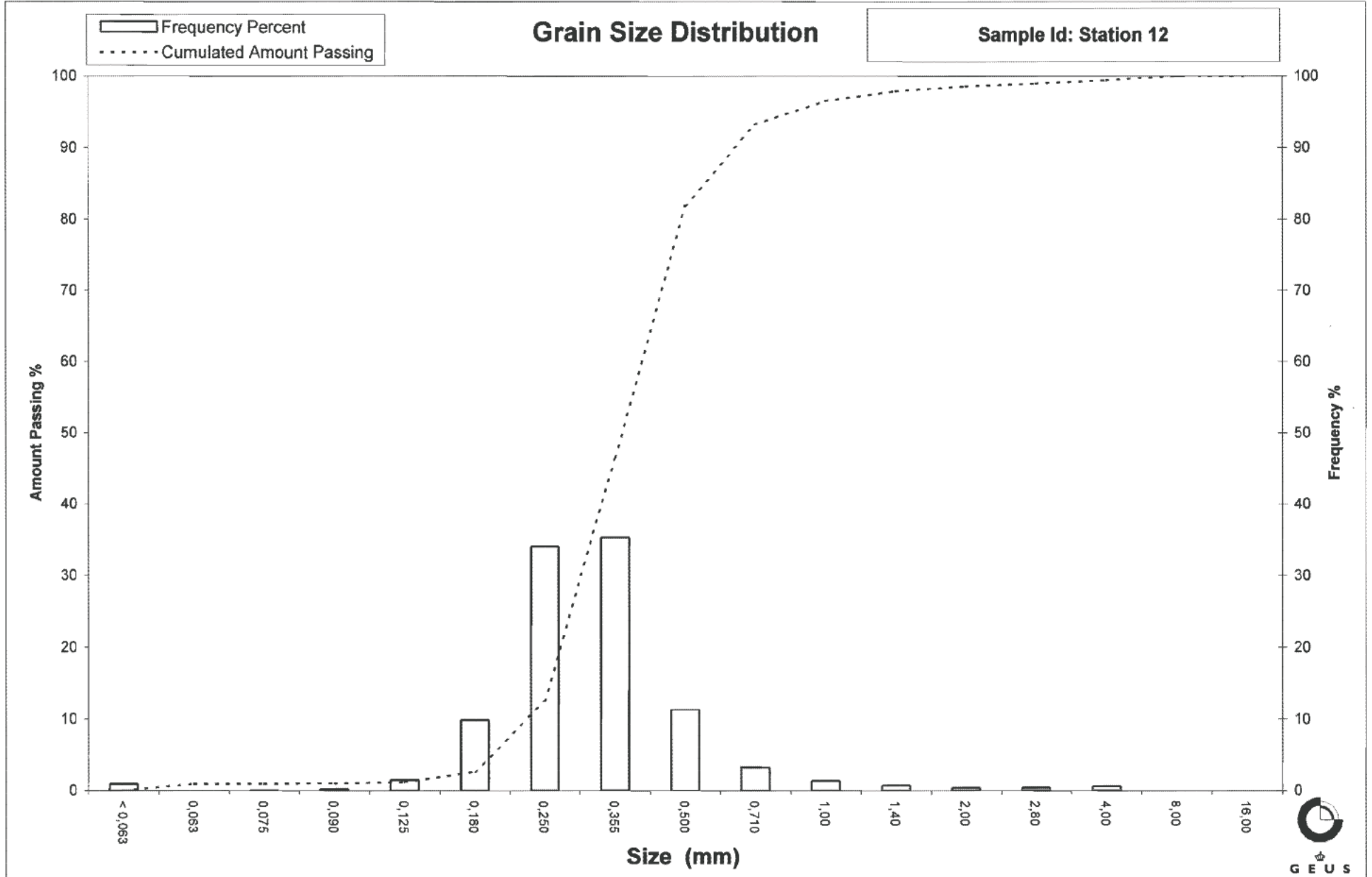
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 13
Lab. Id: 060595
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 208,42 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	2,99	1,43	98,57
4,00	-2,00	5,21	2,50	96,07
2,80	-1,49	1,52	0,73	95,34
2,00	-1,00	1,96	0,94	94,40
1,40	-0,49	3,37	1,62	92,78
1,00	0,00	5,95	2,85	89,92
0,710	0,49	11,86	5,69	84,23
0,500	1,00	32,20	15,45	68,78
0,355	1,49	72,27	34,68	34,11
0,250	2,00	12,92	6,20	27,91
0,180	2,47	2,76	1,32	26,59
0,125	3,00	0,42	0,20	26,38
0,090	3,47	0,08	0,04	26,35
0,075	3,74	0,04	0,02	26,33
0,063	3,99	0,00	0,00	26,33
< 0,063	> 3,99	54,87	26,33	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	26,33
Sand, fine (0,063 mm - 0,200 mm):	0,64
Sand, medium (0,2 mm - 0,6 mm):	49,18
Sand, coarse (0,6 mm - 2 mm):	18,25
Gravel (> 2 mm):	5,60
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	2,51	-1,33
16%	84%	0,71	0,50
25%	75%	0,58	0,77
40%	60%	0,46	1,11
Median 50%	50%	0,42	1,25
75%	25%	-----	-----
84%	16%	-----	-----
90%	10%	-----	-----
95%	5%	-----	-----

Moments Statistics

Mean	0,87
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

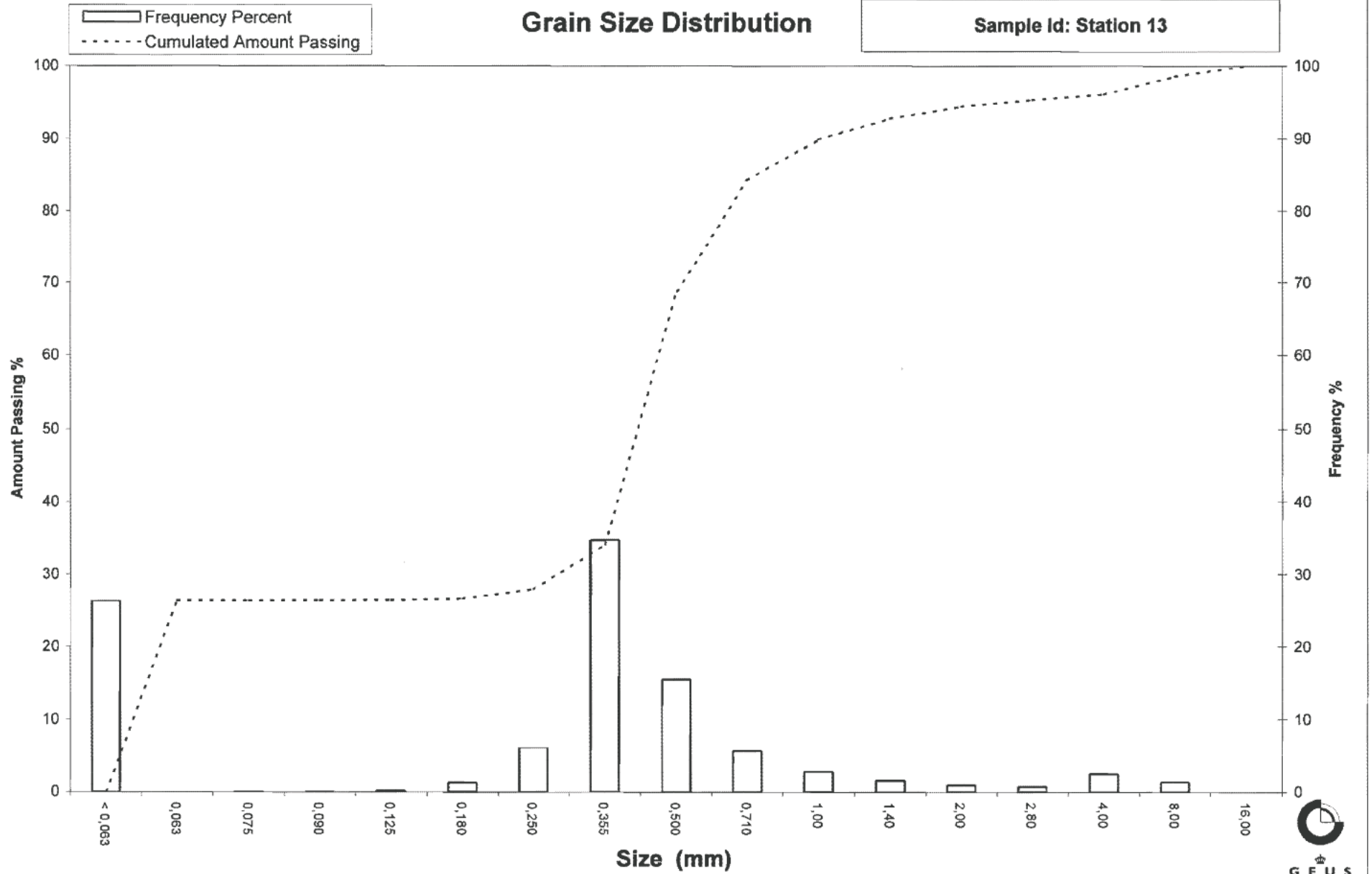
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 13



Grain Size Distribution

Geotechnical

Sample Id: Station 14
Lab. Id: 060596
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 529,93 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	43,09	8,13	91,87
4,00	-2,00	26,91	5,08	86,79
2,80	-1,49	12,27	2,32	84,48
2,00	-1,00	9,37	1,77	82,71
1,40	-0,49	11,98	2,26	80,45
1,00	0,00	17,77	3,35	77,09
0,710	0,49	29,88	5,64	71,45
0,500	1,00	75,33	14,22	57,24
0,355	1,49	152,83	28,84	28,40
0,250	2,00	112,74	21,27	7,12
0,180	2,47	28,67	5,41	1,71
0,125	3,00	4,80	0,91	0,81
0,090	3,47	0,69	0,13	0,68
0,075	3,74	0,09	0,02	0,66
0,063	3,99	0,04	0,01	0,65
< 0,063	> 3,99	3,46	0,65	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,65
Sand, fine (0,063 mm - 0,200 mm):	2,61
Sand, medium (0,2 mm - 0,6 mm):	60,75
Sand, coarse (0,6 mm - 2 mm):	18,70
Gravel (> 2 mm):	17,29
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	11,08	-3,47
16%	84%	2,58	-1,37
25%	75%	0,89	0,16
40%	60%	0,54	0,89
Median 50%	50%	0,46	1,11
75%	25%	0,34	1,56
84%	16%	0,29	1,77
90%	10%	0,26	1,92
95%	5%	0,22	2,17

Moments Statistics

Mean	0,50
Sorting	1,64
Skewness	-0,60
Kurtosis	1,65
Uniformity Coefficient	2,05

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

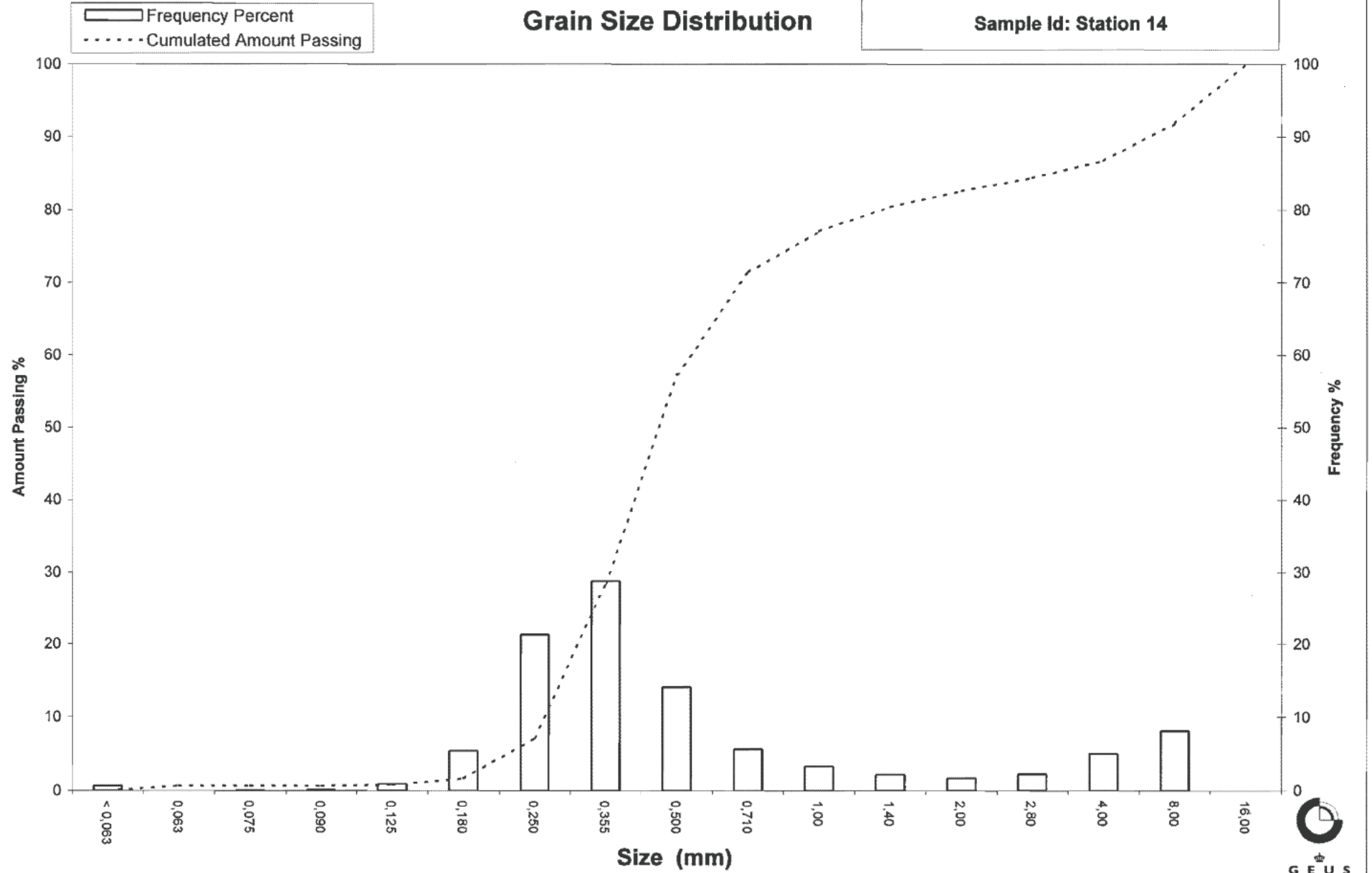
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 14



Grain Size Distribution

Geotechnical

Sample Id: Station 15
Lab. Id: 060597
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 558,96 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	passing
16,00	-4,00	15,26	2,73	97,27
8,00	-3,00	21,59	3,86	93,41
4,00	-2,00	23,82	4,26	89,15
2,80	-1,49	9,49	1,70	87,45
2,00	-1,00	9,27	1,66	85,79
1,40	-0,49	11,70	2,09	83,70
1,00	0,00	19,03	3,41	80,29
0,710	0,49	28,68	5,13	75,16
0,500	1,00	65,57	11,73	63,43
0,355	1,49	162,51	29,07	34,36
0,250	2,00	136,64	24,45	9,91
0,180	2,47	44,90	8,03	1,88
0,125	3,00	8,43	1,51	0,37
0,090	3,47	1,09	0,20	0,18
0,075	3,74	0,17	0,03	0,15
0,063	3,99	0,04	0,01	0,14
< 0,063	> 3,99	0,77	0,14	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,14
Sand, fine (0,063 mm - 0,200 mm):	4,04
Sand, medium (0,2 mm - 0,6 mm):	64,84
Sand, coarse (0,6 mm - 2 mm):	16,77
Gravel (> 2 mm):	14,21
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	11,30	-3,50
16%	84%	1,49	-0,57
25%	75%	0,71	0,50
40%	60%	0,48	1,05
Median 50%	50%	0,43	1,21
75%	25%	0,31	1,67
84%	16%	0,28	1,86
90%	10%	0,25	2,00
95%	5%	0,21	2,27

Moments Statistics

Mean	0,83
Sorting	1,48
Skewness	-0,55
Kurtosis	2,03
Uniformity Coefficient	1,93

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

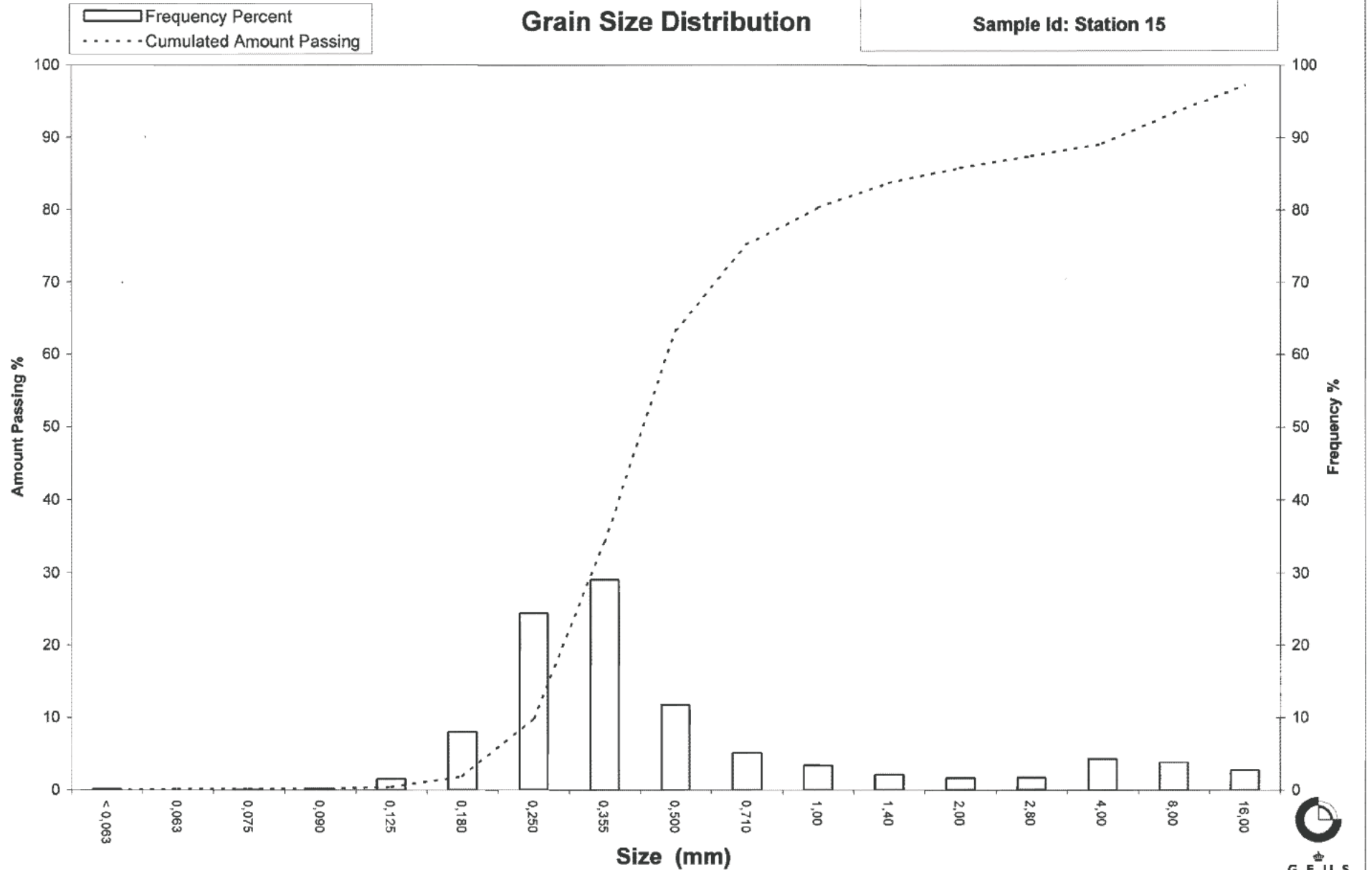
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 15



Grain Size Distribution

Geotechnical

Sample Id: Station 21
Lab. Id: 060598
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 111,87 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,01	0,01	99,99
1,40	-0,49	0,04	0,04	99,96
1,00	0,00	0,07	0,06	99,89
0,710	0,49	0,39	0,35	99,54
0,500	1,00	3,42	3,06	96,49
0,355	1,49	20,38	18,22	78,27
0,250	2,00	59,60	53,28	24,99
0,180	2,47	21,16	18,91	6,08
0,125	3,00	4,72	4,22	1,86
0,090	3,47	0,79	0,71	1,15
0,075	3,74	0,05	0,04	1,11
0,063	3,99	0,01	0,01	1,10
< 0,063	> 3,99	1,23	1,10	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,10
Sand, fine (0,063 mm - 0,200 mm):	10,38
Sand, medium (0,2 mm - 0,6 mm):	86,46
Sand, coarse (0,6 mm - 2 mm):	2,05
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,49	1,03
16%	84%	0,40	1,32
25%	75%	0,35	1,52
40%	60%	0,32	1,65
Median 50%	50%	0,30	1,74
75%	25%	0,25	2,00
84%	16%	0,22	2,21
90%	10%	0,19	2,36
95%	5%	0,17	2,59

Moments Statistics

Mean	1,76
Sorting	0,46
Skewness	0,07
Kurtosis	1,33
Uniformity Coefficient	1,64

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

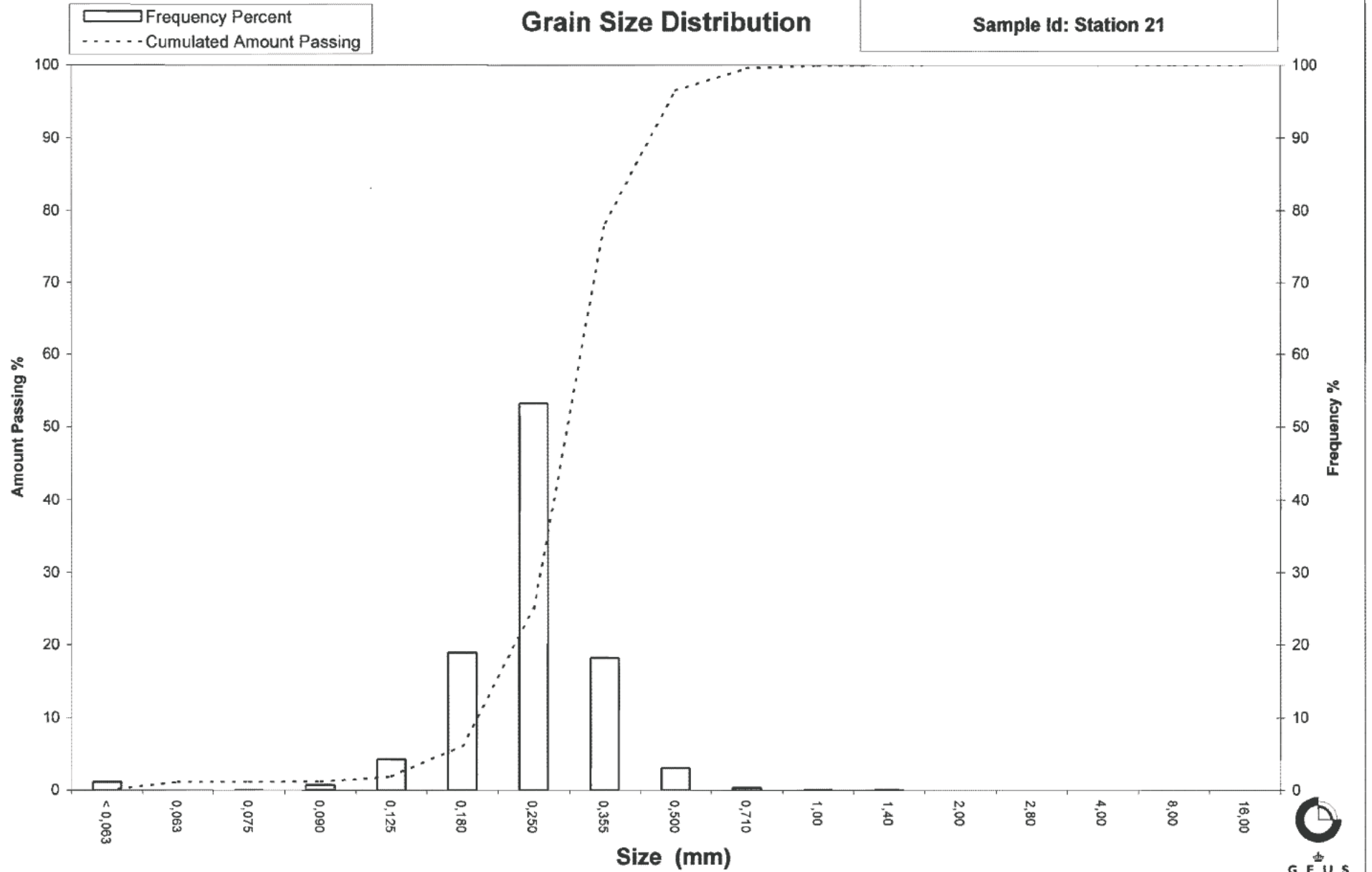
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 21



Grain Size Distribution

Geotechnical

Sample Id: Station 22
Lab. Id: 060599
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,89 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,02	0,02	99,98
1,00	0,00	0,05	0,05	99,94
0,710	0,49	0,19	0,17	99,76
0,500	1,00	2,37	2,18	97,58
0,355	1,49	18,21	16,72	80,86
0,250	2,00	61,30	56,30	24,57
0,180	2,47	21,53	19,77	4,79
0,125	3,00	4,02	3,69	1,10
0,090	3,47	0,54	0,50	0,61
0,075	3,74	0,03	0,03	0,58
0,063	3,99	0,01	0,01	0,57
< 0,063	> 3,99	0,62	0,57	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,57
Sand, fine (0,063 mm - 0,200 mm):	9,87
Sand, medium (0,2 mm - 0,6 mm):	88,18
Sand, coarse (0,6 mm - 2 mm):	1,38
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,48	1,07
16%	84%	0,38	1,39
25%	75%	0,34	1,54
40%	60%	0,32	1,66
Median 50%	50%	0,30	1,75
75%	25%	0,25	2,00
84%	16%	0,22	2,19
90%	10%	0,20	2,33
95%	5%	0,18	2,47

Moments Statistics

Mean	1,77
Sorting	0,41
Skewness	0,06
Kurtosis	1,26
Uniformity Coefficient	1,59

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

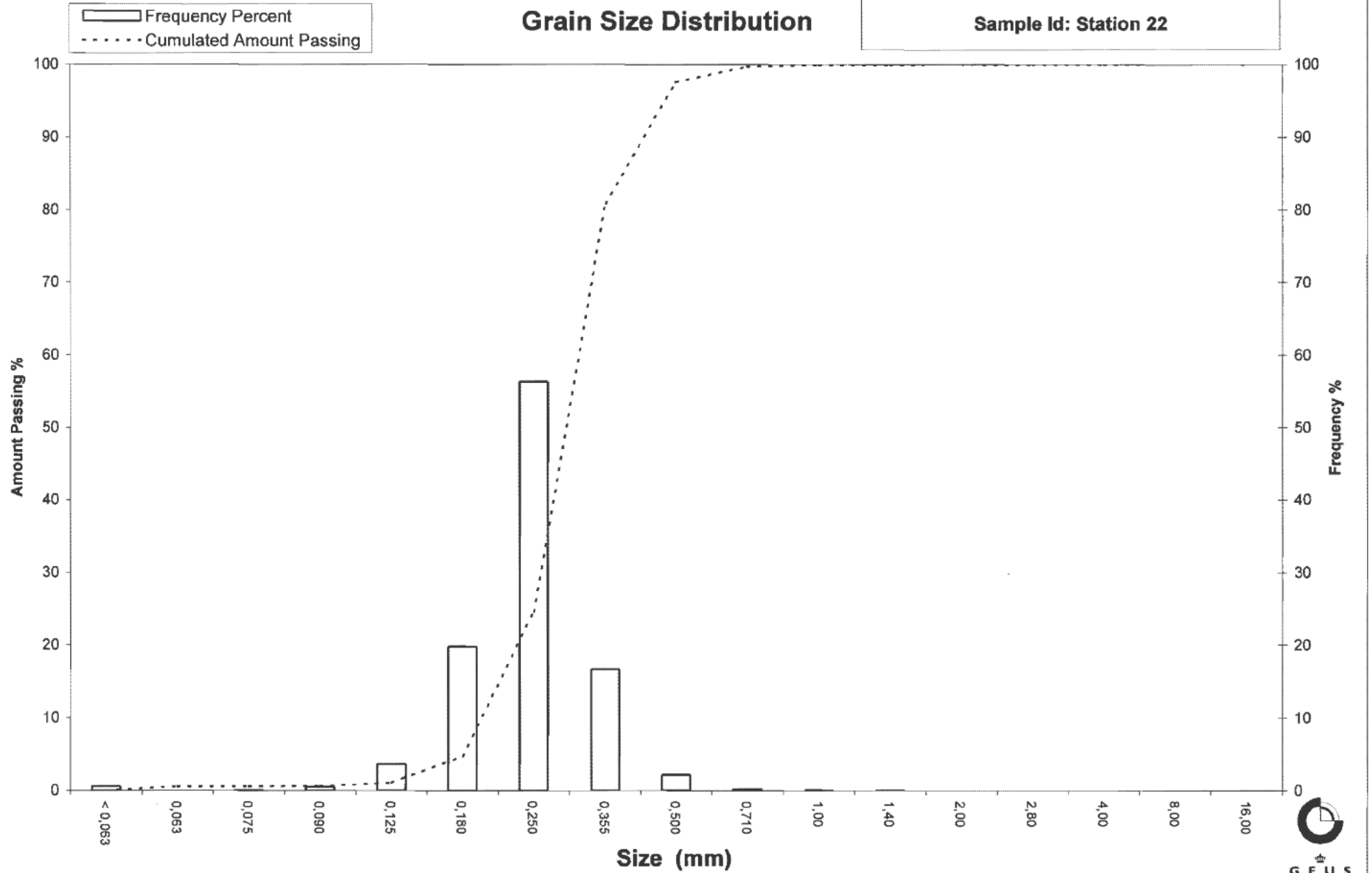
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 22



Grain Size Distribution

Geotechnical

Sample Id: Station 23
Lab. Id: 060600
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,89 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,01	0,01	99,99
1,40	-0,49	0,04	0,04	99,95
1,00	0,00	0,04	0,04	99,92
0,710	0,49	0,29	0,27	99,65
0,500	1,00	2,96	2,72	96,93
0,355	1,49	18,72	17,19	79,74
0,250	2,00	58,52	53,74	26,00
0,180	2,47	21,38	19,63	6,36
0,125	3,00	4,30	3,95	2,42
0,090	3,47	0,79	0,73	1,69
0,075	3,74	0,05	0,05	1,64
0,063	3,99	0,01	0,01	1,63
< 0,063	> 3,99	1,78	1,63	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,63
Sand, fine (0,063 mm - 0,200 mm):	10,34
Sand, medium (0,2 mm - 0,6 mm):	86,25
Sand, coarse (0,6 mm - 2 mm):	1,76
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,48	1,05
16%	84%	0,39	1,36
25%	75%	0,35	1,53
40%	60%	0,32	1,66
Median 50%	50%	0,30	1,75
75%	25%	0,25	2,02
84%	16%	0,21	2,22
90%	10%	0,19	2,37
95%	5%	0,16	2,63

Moments Statistics

Mean	1,78
Sorting	0,46
Skewness	0,10
Kurtosis	1,33
Uniformity Coefficient	1,64

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

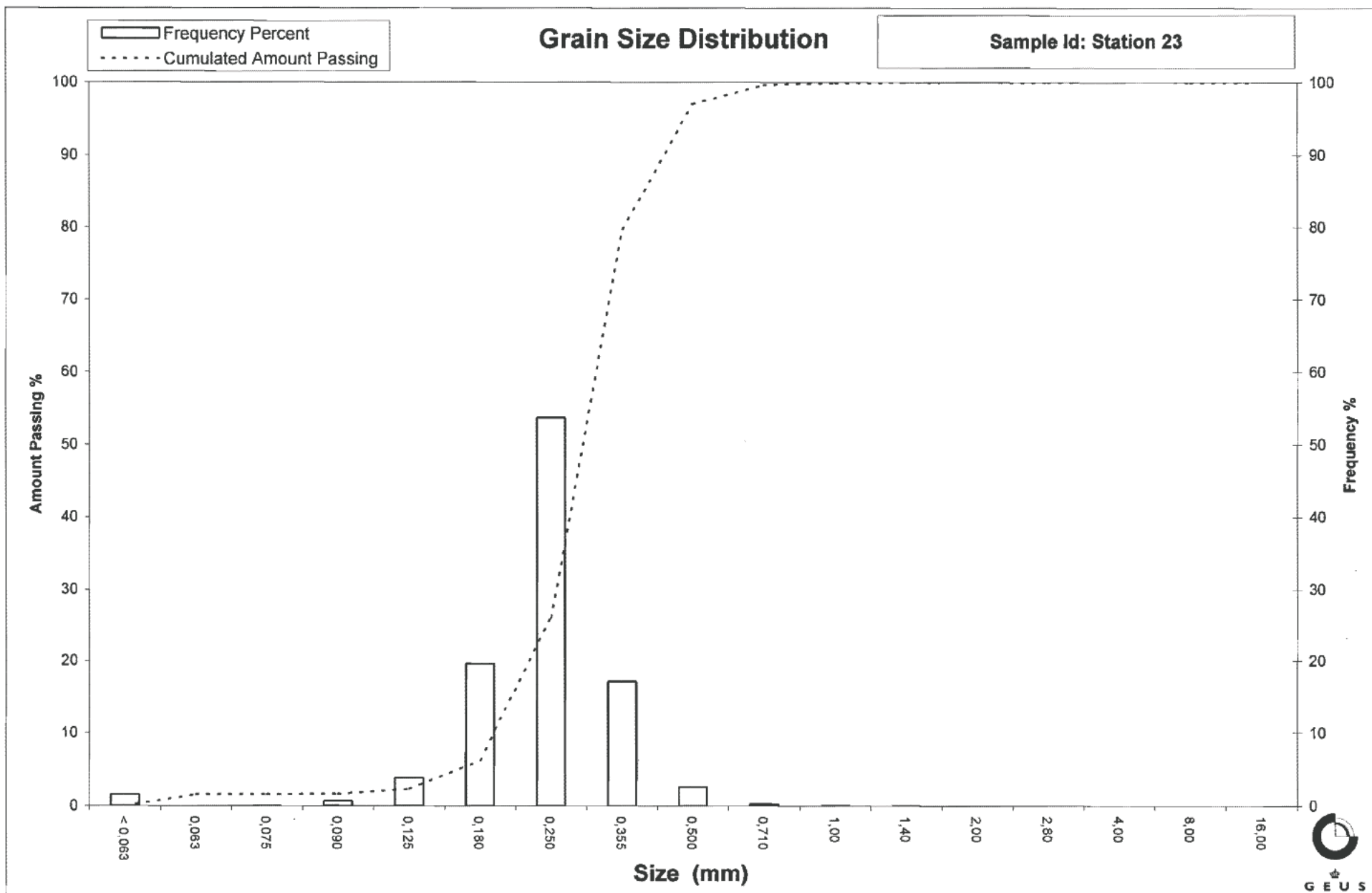
Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 24
Lab. Id: 060601
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,56 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,03	0,03	99,97
1,00	0,00	0,06	0,05	99,92
0,710	0,49	0,14	0,13	99,79
0,500	1,00	1,60	1,46	98,33
0,355	1,49	16,78	15,32	83,01
0,250	2,00	59,63	54,43	28,59
0,180	2,47	24,87	22,70	5,89
0,125	3,00	4,43	4,04	1,84
0,090	3,47	0,87	0,79	1,05
0,075	3,74	0,06	0,05	0,99
0,063	3,99	0,02	0,02	0,98
< 0,063	> 3,99	1,07	0,98	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,98
Sand, fine (0,063 mm - 0,200 mm):	11,40
Sand, medium (0,2 mm - 0,6 mm):	86,65
Sand, coarse (0,6 mm - 2 mm):	0,97
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,47	1,09
16%	84%	0,36	1,46
25%	75%	0,34	1,56
40%	60%	0,31	1,69
Median 50%	50%	0,29	1,78
75%	25%	0,24	2,07
84%	16%	0,21	2,24
90%	10%	0,19	2,38
95%	5%	0,17	2,57

Moments Statistics

Mean	1,83
Sorting	0,42
Skewness	0,13
Kurtosis	1,20
Uniformity Coefficient	1,61

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

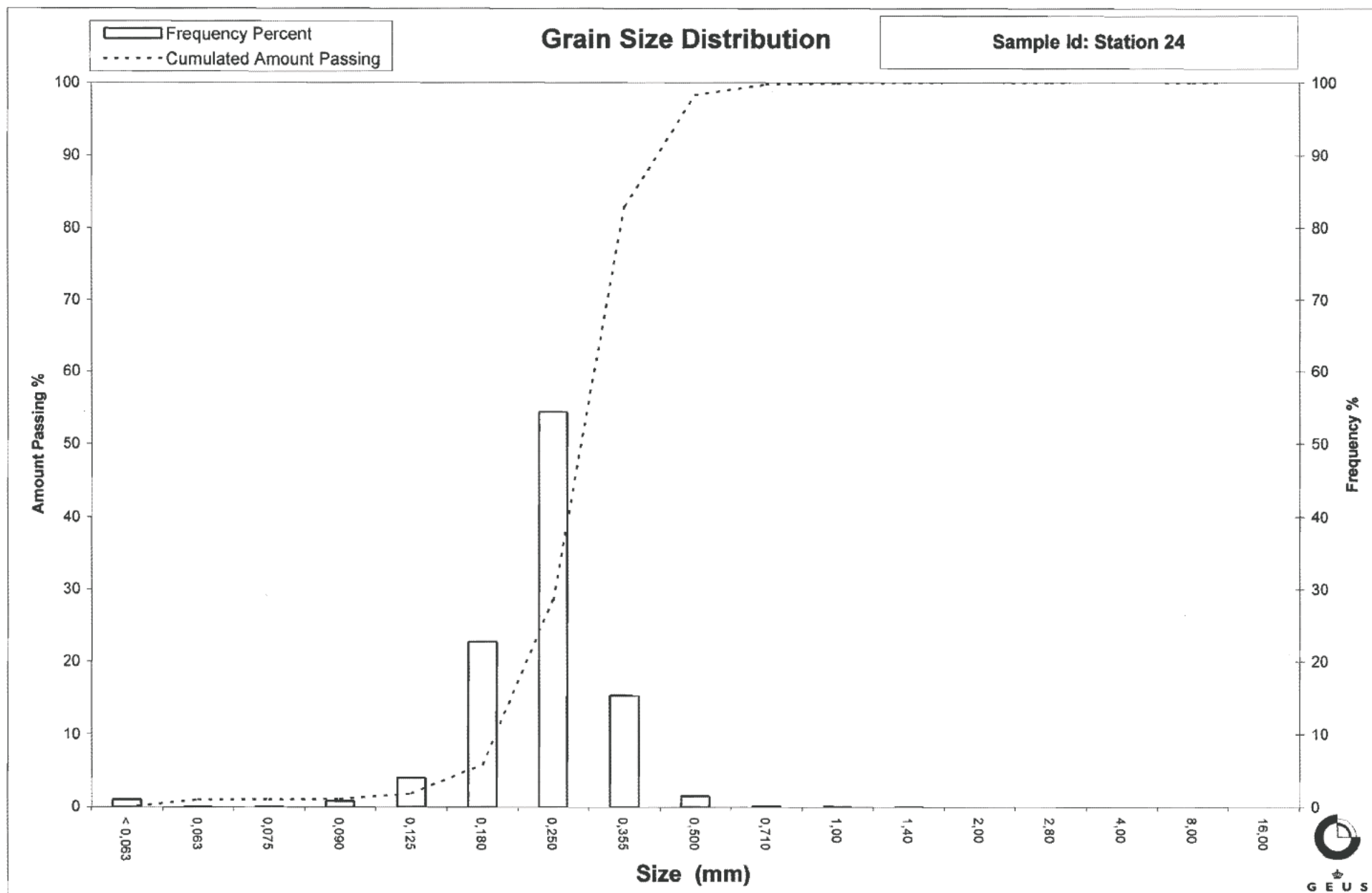
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 25
Lab. Id: 060602
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 112,35 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,03	0,03	99,97
1,40	-0,49	0,01	0,01	99,96
1,00	0,00	0,03	0,03	99,94
0,710	0,49	0,16	0,14	99,80
0,500	1,00	1,78	1,58	98,21
0,355	1,49	17,77	15,82	82,39
0,250	2,00	60,47	53,82	28,57
0,180	2,47	25,24	22,47	6,11
0,125	3,00	4,68	4,17	1,94
0,090	3,47	0,81	0,72	1,22
0,075	3,74	0,05	0,04	1,17
0,063	3,99	0,01	0,01	1,17
< 0,063	> 3,99	1,31	1,17	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,17
Sand, fine (0,063 mm - 0,200 mm):	11,36
Sand, medium (0,2 mm - 0,6 mm):	86,44
Sand, coarse (0,6 mm - 2 mm):	1,01
Gravel (> 2 mm):	0,03
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,47	1,09
16%	84%	0,37	1,44
25%	75%	0,34	1,55
40%	60%	0,31	1,68
Median 50%	50%	0,29	1,78
75%	25%	0,24	2,07
84%	16%	0,21	2,25
90%	10%	0,19	2,38
95%	5%	0,17	2,60

Moments Statistics

Mean	1,82
Sorting	0,43
Skewness	0,12
Kurtosis	1,21
Uniformity Coefficient	1,62

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

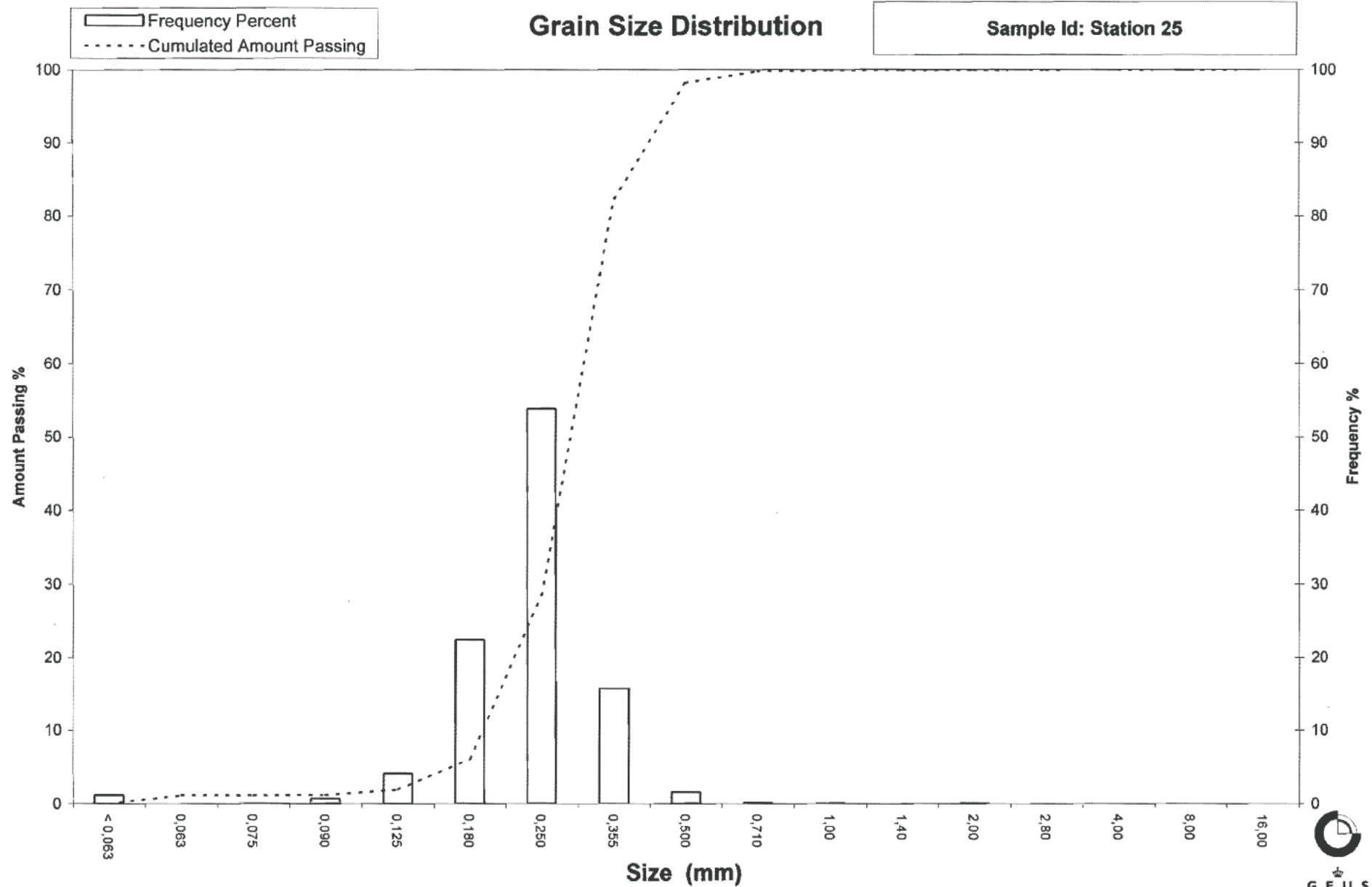
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 25



Grain Size Distribution

Geotechnical

Sample Id: Station 36
Lab. Id: 060603
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 312,42 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	15,53	4,97	95,03
4,00	-2,00	16,36	5,24	89,79
2,80	-1,49	12,54	4,01	85,78
2,00	-1,00	11,75	3,76	82,02
1,40	-0,49	16,05	5,14	76,88
1,00	0,00	21,50	6,88	70,00
0,710	0,49	33,10	10,59	59,40
0,500	1,00	54,75	17,52	41,88
0,355	1,49	68,11	21,80	20,08
0,250	2,00	45,20	14,47	5,61
0,180	2,47	12,77	4,09	1,52
0,125	3,00	1,79	0,57	0,95
0,090	3,47	0,28	0,09	0,86
0,075	3,74	0,06	0,02	0,84
0,063	3,99	0,04	0,01	0,83
< 0,063	> 3,99	2,59	0,83	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,83
Sand, fine (0,063 mm - 0,200 mm):	1,86
Sand, medium (0,2 mm - 0,6 mm):	47,53
Sand, coarse (0,6 mm - 2 mm):	31,79
Gravel (> 2 mm):	17,98
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	7,98	-3,00
16%	84%	2,42	-1,28
25%	75%	1,29	-0,37
40%	60%	0,73	0,46
Median 50%	50%	0,60	0,74
75%	25%	0,39	1,37
84%	16%	0,33	1,62
90%	10%	0,28	1,83
95%	5%	0,24	2,06

Moments Statistics

Mean	0,36
Sorting	1,49
Skewness	-0,44
Kurtosis	1,19
Uniformity Coefficient	2,58

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

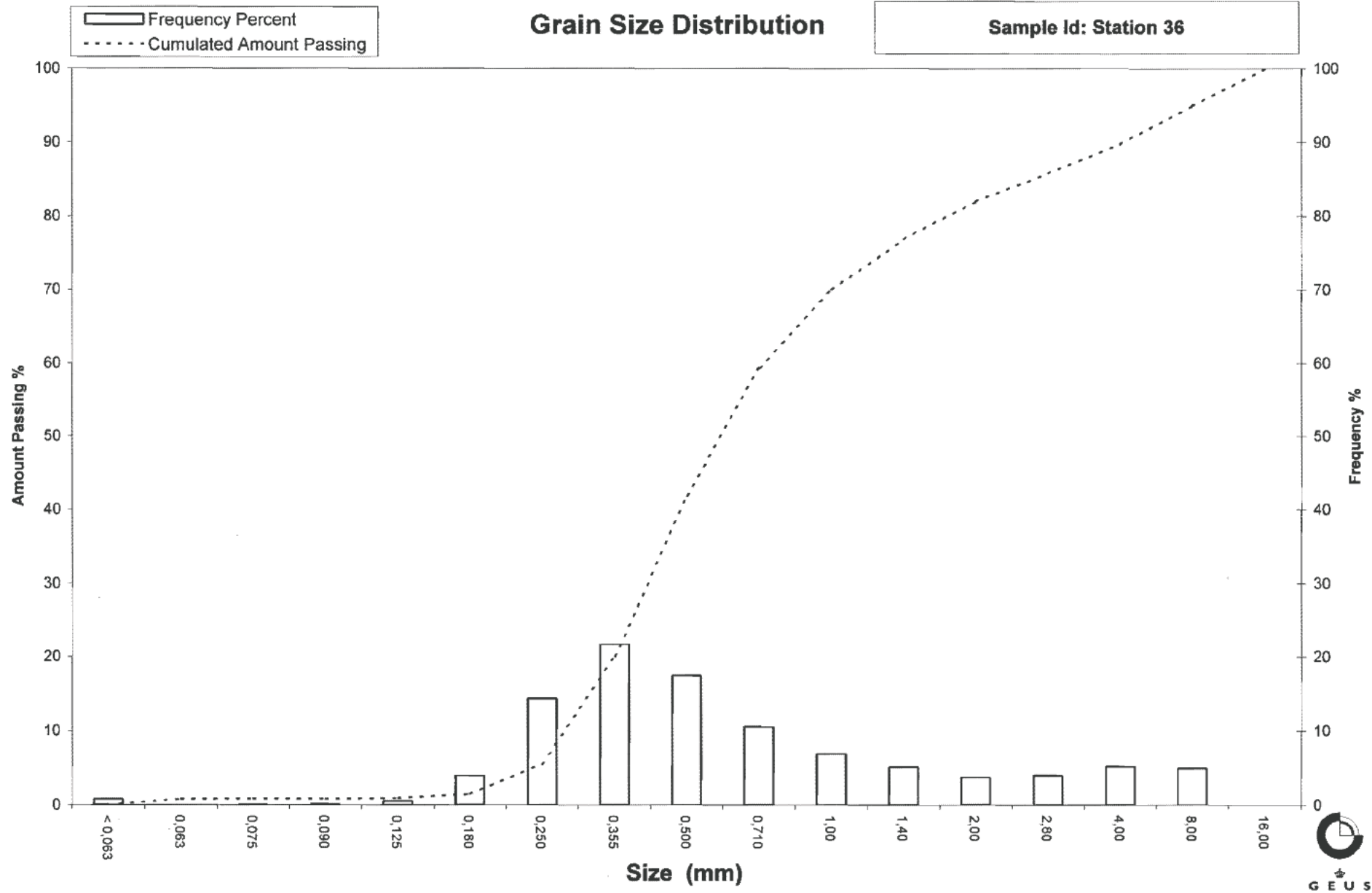
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 36



Grain Size Distribution

Geotechnical

Sample Id: Station 37
Lab. Id: 060604
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 204,08 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	2,68	1,31	98,69
4,00	-2,00	13,90	6,81	91,88
2,80	-1,49	10,29	5,04	86,83
2,00	-1,00	8,67	4,25	82,59
1,40	-0,49	10,09	4,94	77,64
1,00	0,00	13,32	6,53	71,11
0,710	0,49	20,58	10,08	61,03
0,500	1,00	33,89	16,61	44,42
0,355	1,49	43,48	21,31	23,12
0,250	2,00	32,84	16,09	7,03
0,180	2,47	9,74	4,77	2,25
0,125	3,00	1,88	0,92	1,33
0,090	3,47	0,45	0,22	1,11
0,075	3,74	0,12	0,06	1,05
0,063	3,99	0,04	0,02	1,03
< 0,063	> 3,99	2,11	1,03	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,03
Sand, fine (0,063 mm - 0,200 mm):	2,58
Sand, medium (0,2 mm - 0,6 mm):	48,71
Sand, coarse (0,6 mm - 2 mm):	30,25
Gravel (> 2 mm):	17,41
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	5,83	-2,54
16%	84%	2,27	-1,18
25%	75%	1,24	-0,31
40%	60%	0,70	0,52
Median 50%	50%	0,57	0,81
75%	25%	0,37	1,44
84%	16%	0,31	1,70
90%	10%	0,27	1,89
95%	5%	0,22	2,18

Moments Statistics

Mean	0,44
Sorting	1,44
Skewness	-0,40
Kurtosis	1,11
Uniformity Coefficient	2,59

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

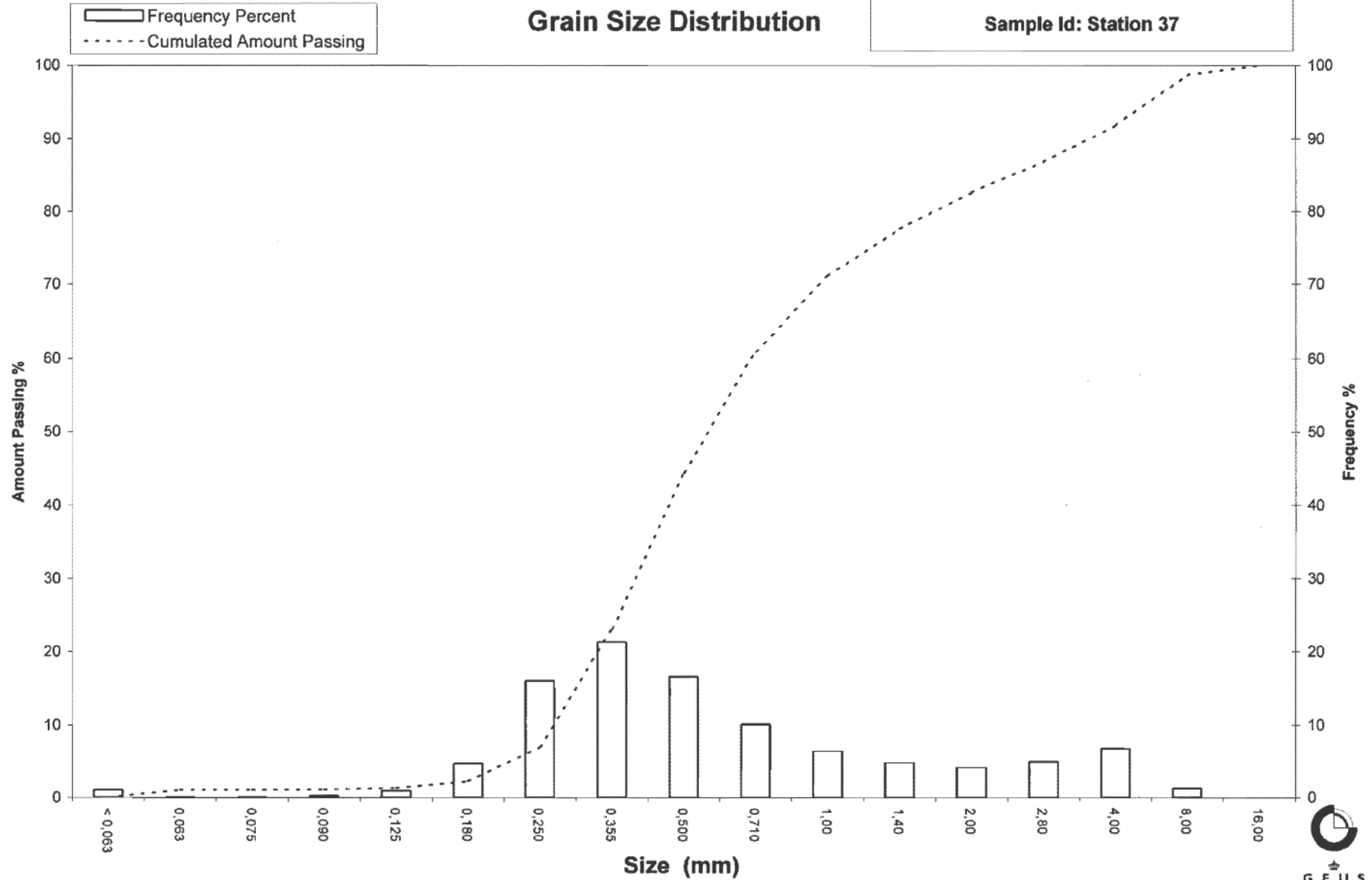
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 37



Grain Size Distribution

Geotechnical

Sample Id: Station 38
Lab. Id: 060605
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 338,12 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	10,49	3,10	96,90
4,00	-2,00	16,11	4,76	92,13
2,80	-1,49	12,49	3,69	88,44
2,00	-1,00	16,29	4,82	83,62
1,40	-0,49	24,06	7,12	76,51
1,00	0,00	28,51	8,43	68,07
0,710	0,49	37,75	11,17	56,91
0,500	1,00	56,03	16,57	40,34
0,355	1,49	66,26	19,60	20,74
0,250	2,00	50,20	14,85	5,89
0,180	2,47	13,78	4,07	1,82
0,125	3,00	2,58	0,76	1,06
0,090	3,47	0,58	0,17	0,88
0,075	3,74	0,12	0,04	0,85
0,063	3,99	0,08	0,02	0,82
< 0,063	> 3,99	2,78	0,82	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,82
Sand, fine (0,063 mm - 0,200 mm):	2,16
Sand, medium (0,2 mm - 0,6 mm):	45,24
Sand, coarse (0,6 mm - 2 mm):	35,39
Gravel (> 2 mm):	16,38
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	6,41	-2,68
16%	84%	2,06	-1,04
25%	75%	1,33	-0,41
40%	60%	0,79	0,34
Median 50%	50%	0,62	0,68
75%	25%	0,39	1,37
84%	16%	0,32	1,64
90%	10%	0,28	1,84
95%	5%	0,23	2,09

Moments Statistics

Mean	0,43
Sorting	1,39
Skewness	-0,35
Kurtosis	1,10
Uniformity Coefficient	2,83

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

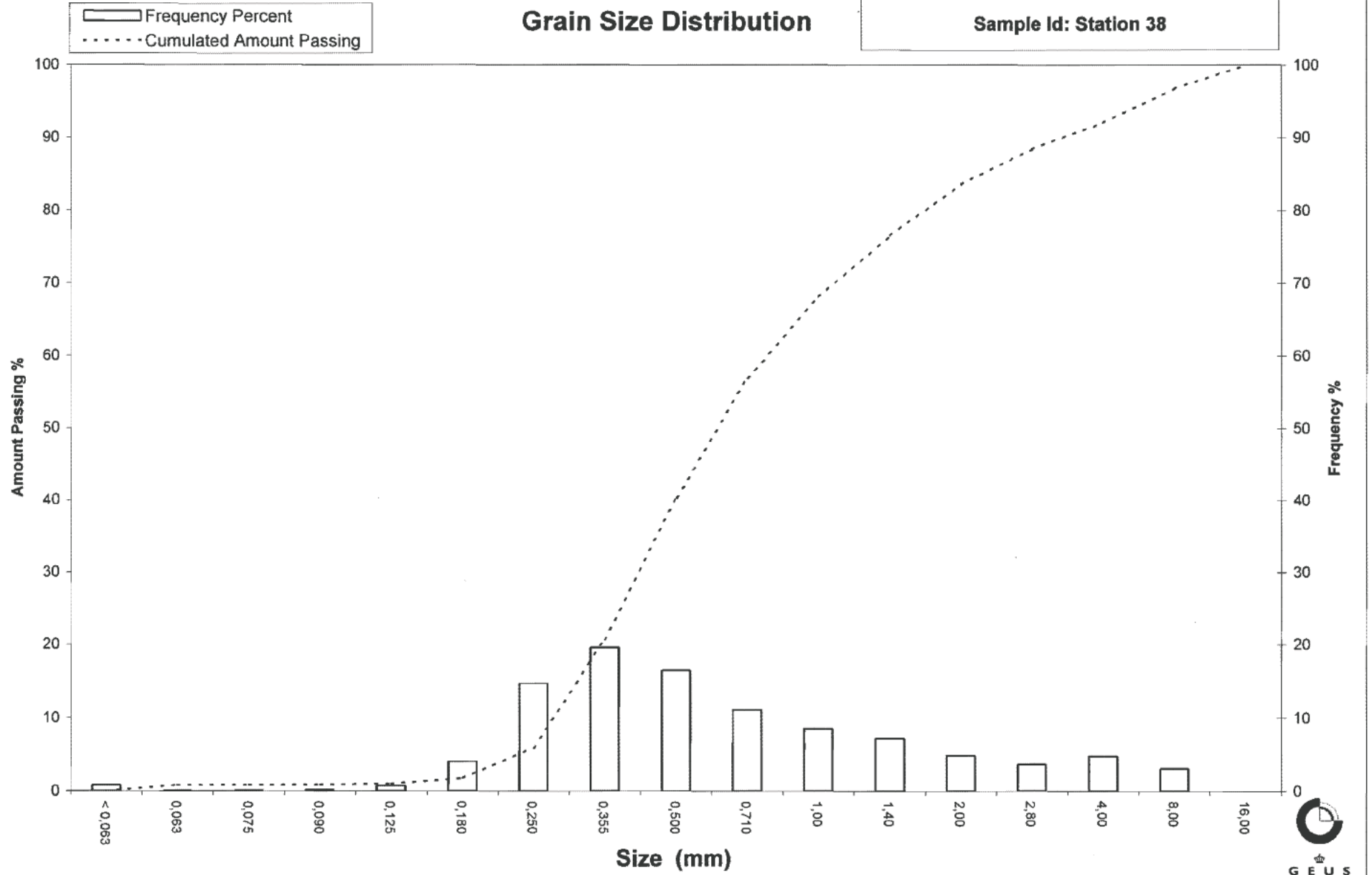
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 38



Grain Size Distribution

Geotechnical

Sample Id: Station 39
Lab. Id: 060606
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 303,02 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	10,76	3,55	96,45
8,00	-3,00	3,93	1,30	95,15
4,00	-2,00	15,35	5,07	90,09
2,80	-1,49	13,55	4,47	85,61
2,00	-1,00	11,65	3,84	81,77
1,40	-0,49	16,52	5,45	76,32
1,00	0,00	19,81	6,54	69,78
0,710	0,49	28,89	9,53	60,25
0,500	1,00	51,23	16,91	43,34
0,355	1,49	66,83	22,05	21,29
0,250	2,00	45,15	14,90	6,39
0,180	2,47	13,73	4,53	1,85
0,125	3,00	2,34	0,77	1,08
0,090	3,47	0,42	0,14	0,94
0,075	3,74	0,07	0,02	0,92
0,063	3,99	0,05	0,02	0,90
< 0,063	> 3,99	2,74	0,90	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,90
Sand, fine (0,063 mm - 0,200 mm):	2,25
Sand, medium (0,2 mm - 0,6 mm):	48,24
Sand, coarse (0,6 mm - 2 mm):	30,38
Gravel (> 2 mm):	18,23
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	7,88	-2,98
16%	84%	2,46	-1,30
25%	75%	1,32	-0,40
40%	60%	0,71	0,50
Median 50%	50%	0,58	0,78
75%	25%	0,38	1,40
84%	16%	0,32	1,65
90%	10%	0,28	1,86
95%	5%	0,23	2,13

Moments Statistics

Mean	0,38
Sorting	1,51
Skewness	-0,44
Kurtosis	1,16
Uniformity Coefficient	2,57

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

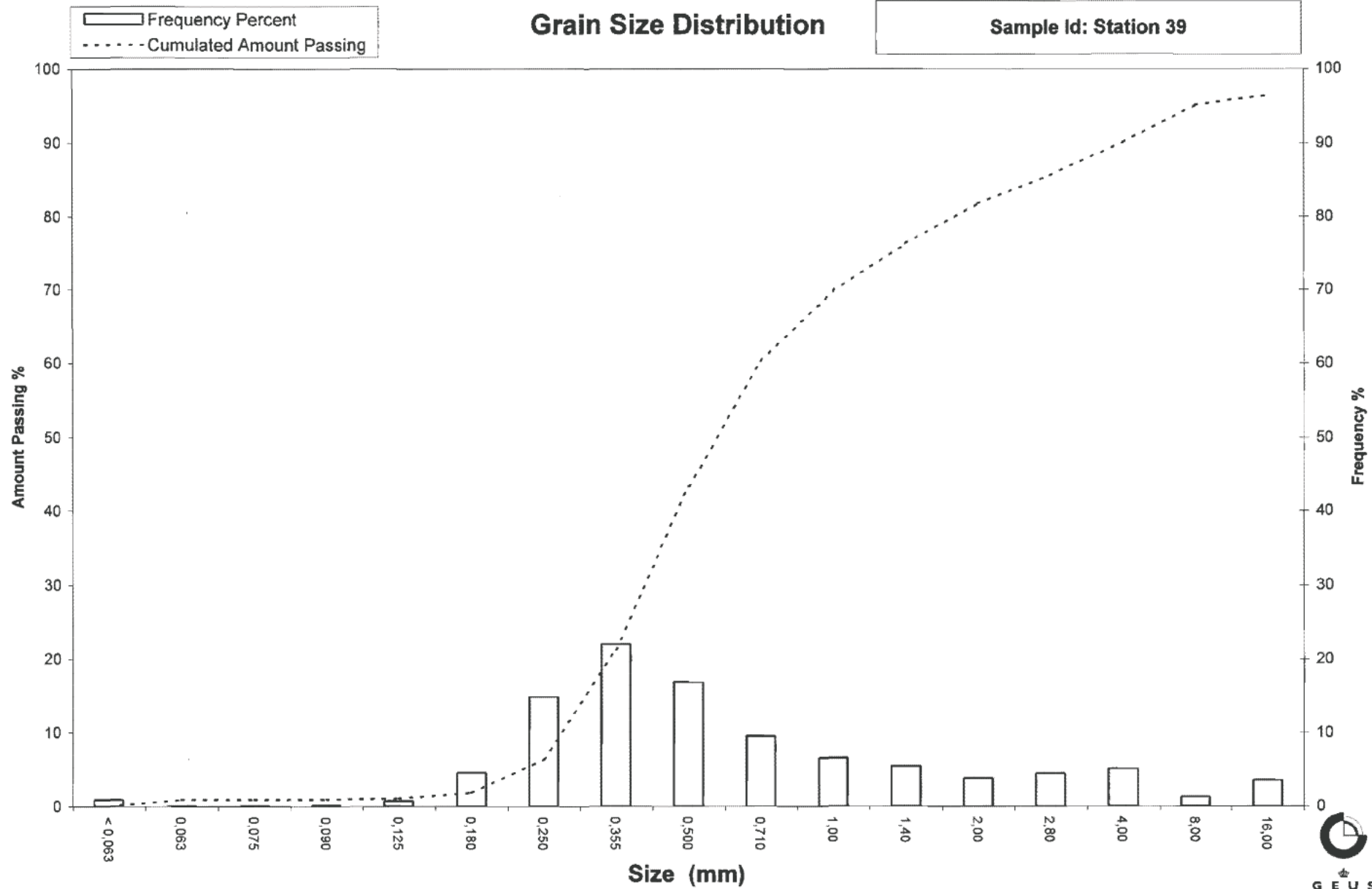
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 39



Grain Size Distribution

Geotechnical

Sample Id: Station 40
Lab. Id: 060607
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 309,44 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	3,54	1,14	98,86
4,00	-2,00	18,18	5,88	92,98
2,80	-1,49	14,52	4,69	88,29
2,00	-1,00	14,99	4,84	83,44
1,40	-0,49	19,62	6,34	77,10
1,00	0,00	23,16	7,48	69,62
0,710	0,49	33,16	10,72	58,90
0,500	1,00	50,53	16,33	42,57
0,355	1,49	66,65	21,54	21,04
0,250	2,00	44,94	14,52	6,51
0,180	2,47	14,16	4,58	1,93
0,125	3,00	2,44	0,79	1,15
0,090	3,47	0,54	0,18	0,97
0,075	3,74	0,12	0,04	0,93
0,063	3,99	0,10	0,03	0,90
< 0,063	> 3,99	2,79	0,90	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,90
Sand, fine (0,063 mm - 0,200 mm):	2,34
Sand, medium (0,2 mm - 0,6 mm):	47,11
Sand, coarse (0,6 mm - 2 mm):	33,09
Gravel (> 2 mm):	16,56
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	5,37	-2,43
16%	84%	2,09	-1,06
25%	75%	1,29	-0,36
40%	60%	0,74	0,44
Median 50%	50%	0,60	0,75
75%	25%	0,38	1,39
84%	16%	0,32	1,65
90%	10%	0,28	1,86
95%	5%	0,23	2,14

Moments Statistics

Mean	0,44
Sorting	1,37
Skewness	-0,36
Kurtosis	1,07
Uniformity Coefficient	2,69

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

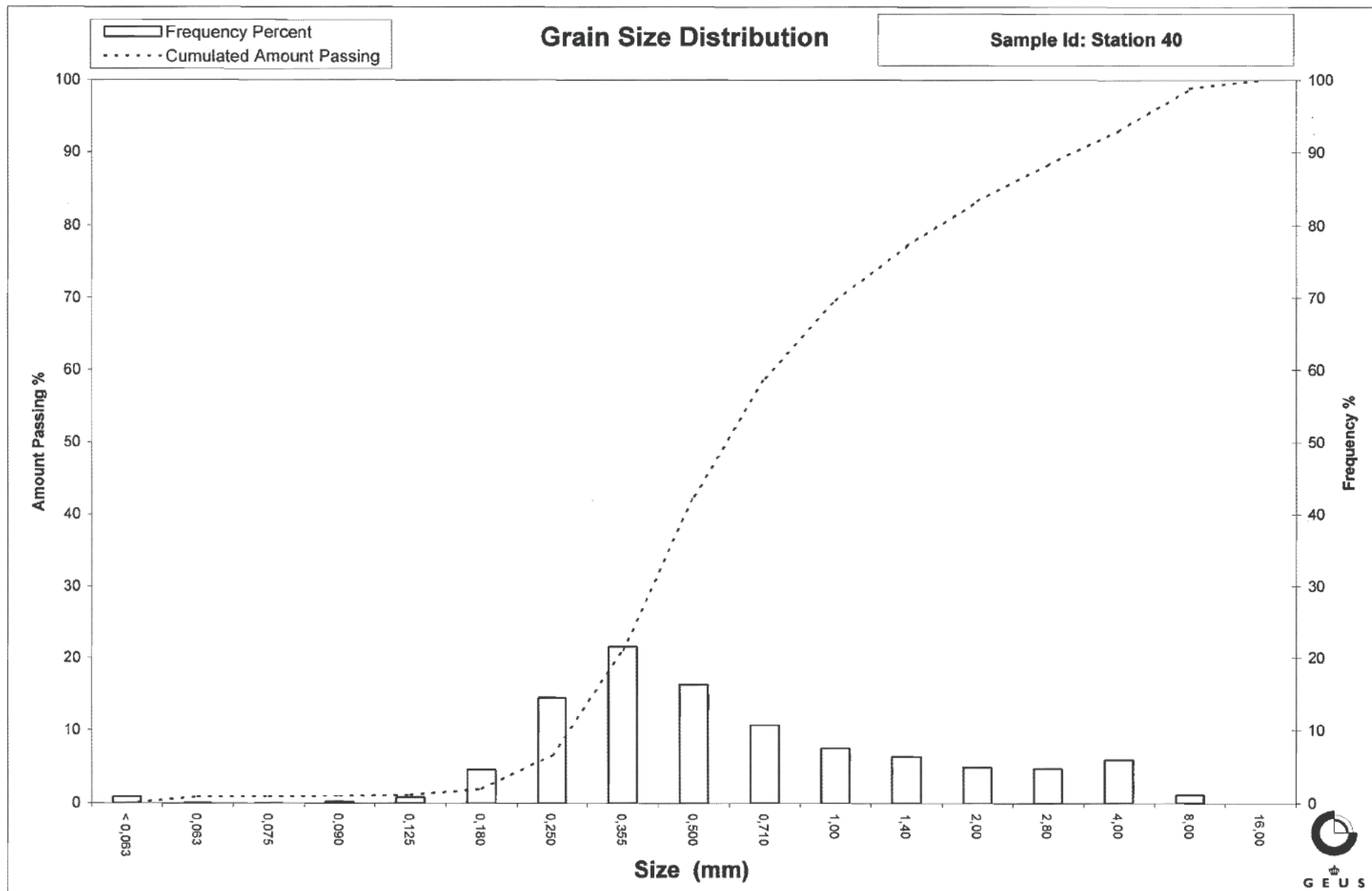
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 41
Lab. Id: 060608
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,08 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,02	0,02	99,98
1,00	0,00	0,05	0,05	99,93
0,710	0,49	0,32	0,30	99,63
0,500	1,00	4,28	4,07	95,56
0,355	1,49	34,66	32,98	62,57
0,250	2,00	45,58	43,38	19,19
0,180	2,47	12,96	12,33	6,86
0,125	3,00	5,33	5,07	1,79
0,090	3,47	0,65	0,62	1,17
0,075	3,74	0,05	0,05	1,12
0,063	3,99	0,02	0,02	1,10
< 0,063	> 3,99	1,16	1,10	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,10
Sand, fine (0,063 mm - 0,200 mm):	9,28
Sand, medium (0,2 mm - 0,6 mm):	87,11
Sand, coarse (0,6 mm - 2 mm):	2,50
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,50	1,01
16%	84%	0,45	1,15
25%	75%	0,41	1,29
40%	60%	0,35	1,52
Median 50%	50%	0,32	1,62
75%	25%	0,26	1,92
84%	16%	0,23	2,11
90%	10%	0,20	2,34
95%	5%	0,16	2,65

Moments Statistics

Mean	1,63
Sorting	0,49
Skewness	0,13
Kurtosis	1,06
Uniformity Coefficient	1,76

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

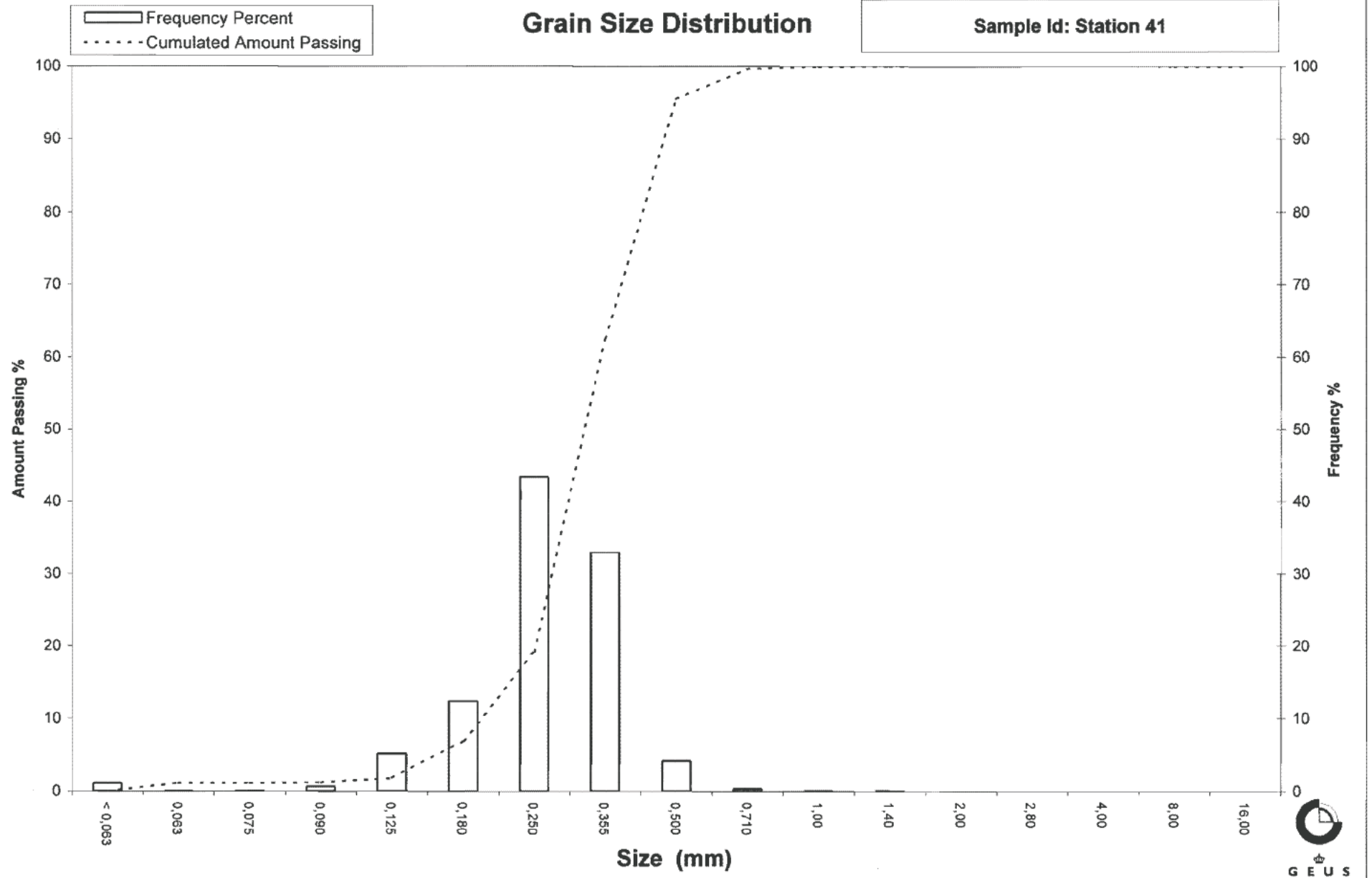
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 41



Grain Size Distribution

Geotechnical

Sample Id: Station 42
Lab. Id: 060609
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,76 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,00	0,00	100,00
1,00	0,00	0,09	0,09	99,91
0,710	0,49	0,35	0,33	99,58
0,500	1,00	5,35	5,11	94,47
0,355	1,49	35,58	33,96	60,51
0,250	2,00	41,45	39,57	20,94
0,180	2,47	13,84	13,21	7,73
0,125	3,00	6,12	5,84	1,89
0,090	3,47	0,79	0,75	1,14
0,075	3,74	0,04	0,04	1,10
0,063	3,99	0,01	0,01	1,09
< 0,063	> 3,99	1,14	1,09	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,09
Sand, fine (0,063 mm - 0,200 mm):	10,42
Sand, medium (0,2 mm - 0,6 mm):	85,40
Sand, coarse (0,6 mm - 2 mm):	3,10
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,52	0,94
16%	84%	0,46	1,14
25%	75%	0,42	1,26
40%	60%	0,35	1,50
Median 50%	50%	0,33	1,61
75%	25%	0,26	1,94
84%	16%	0,22	2,16
90%	10%	0,19	2,38
95%	5%	0,15	2,70

Moments Statistics

Mean	1,64
Sorting	0,52
Skewness	0,15
Kurtosis	1,06
Uniformity Coefficient	1,84

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

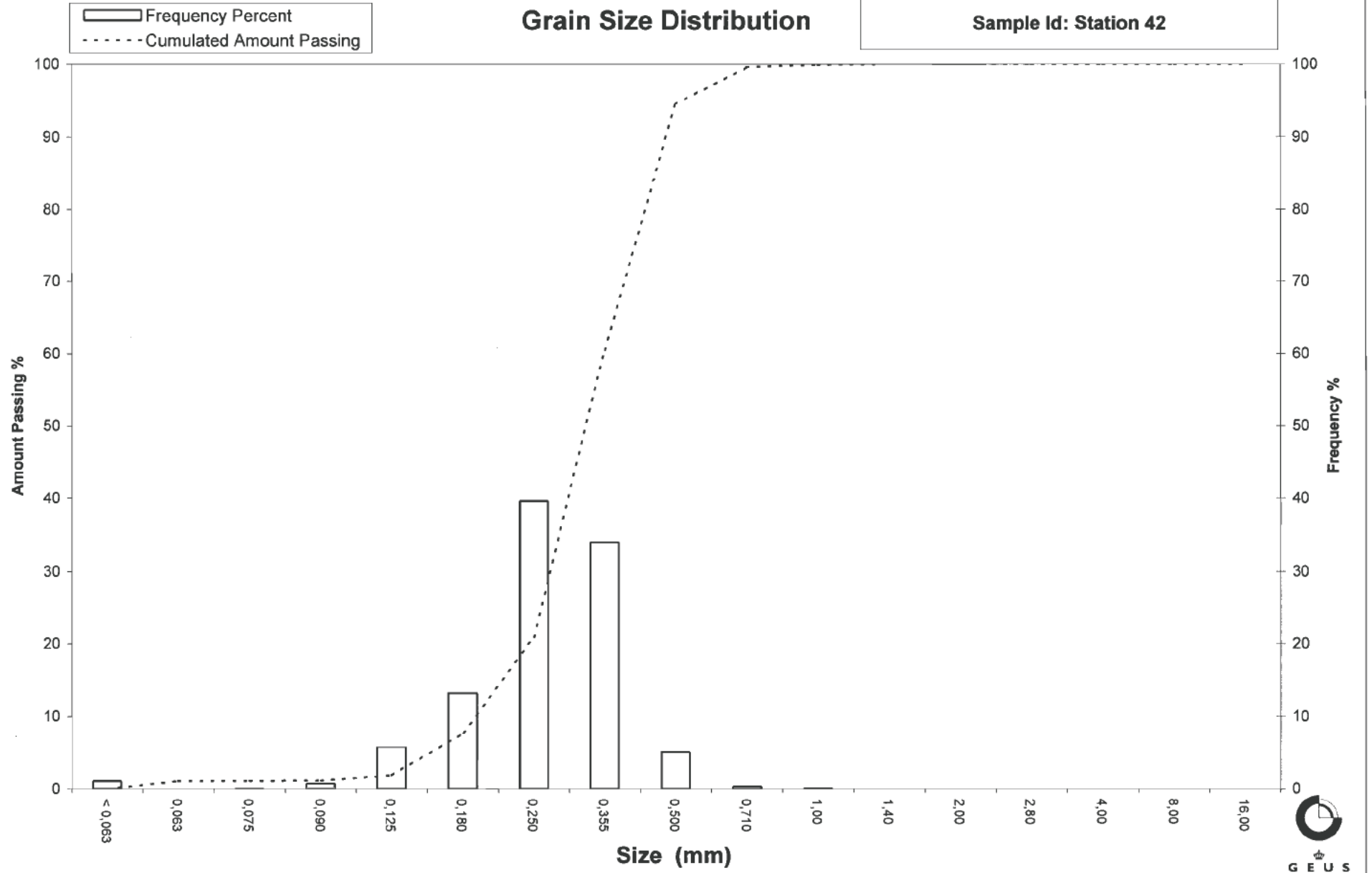
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 42



Grain Size Distribution

Geotechnical

Sample Id: Station 43
Lab. Id: 060610
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 114,68 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing %
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,03	0,03	99,97
1,00	0,00	0,05	0,04	99,93
0,710	0,49	0,49	0,43	99,50
0,500	1,00	9,43	8,22	91,28
0,355	1,49	44,31	38,64	52,64
0,250	2,00	44,37	38,69	13,95
0,180	2,47	10,56	9,21	4,74
0,125	3,00	3,51	3,06	1,68
0,090	3,47	0,35	0,31	1,38
0,075	3,74	0,02	0,02	1,36
0,063	3,99	0,01	0,01	1,35
< 0,063	> 3,99	1,55	1,35	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,35
Sand, fine (0,063 mm - 0,200 mm):	6,02
Sand, medium (0,2 mm - 0,6 mm):	87,82
Sand, coarse (0,6 mm - 2 mm):	4,80
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,60	0,75
16%	84%	0,47	1,08
25%	75%	0,44	1,19
40%	60%	0,38	1,39
Median 50%	50%	0,35	1,52
75%	25%	0,28	1,84
84%	16%	0,26	1,97
90%	10%	0,22	2,18
95%	5%	0,18	2,46

Moments Statistics

Mean	1,52
Sorting	0,48
Skewness	0,05
Kurtosis	1,08
Uniformity Coefficient	1,74

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

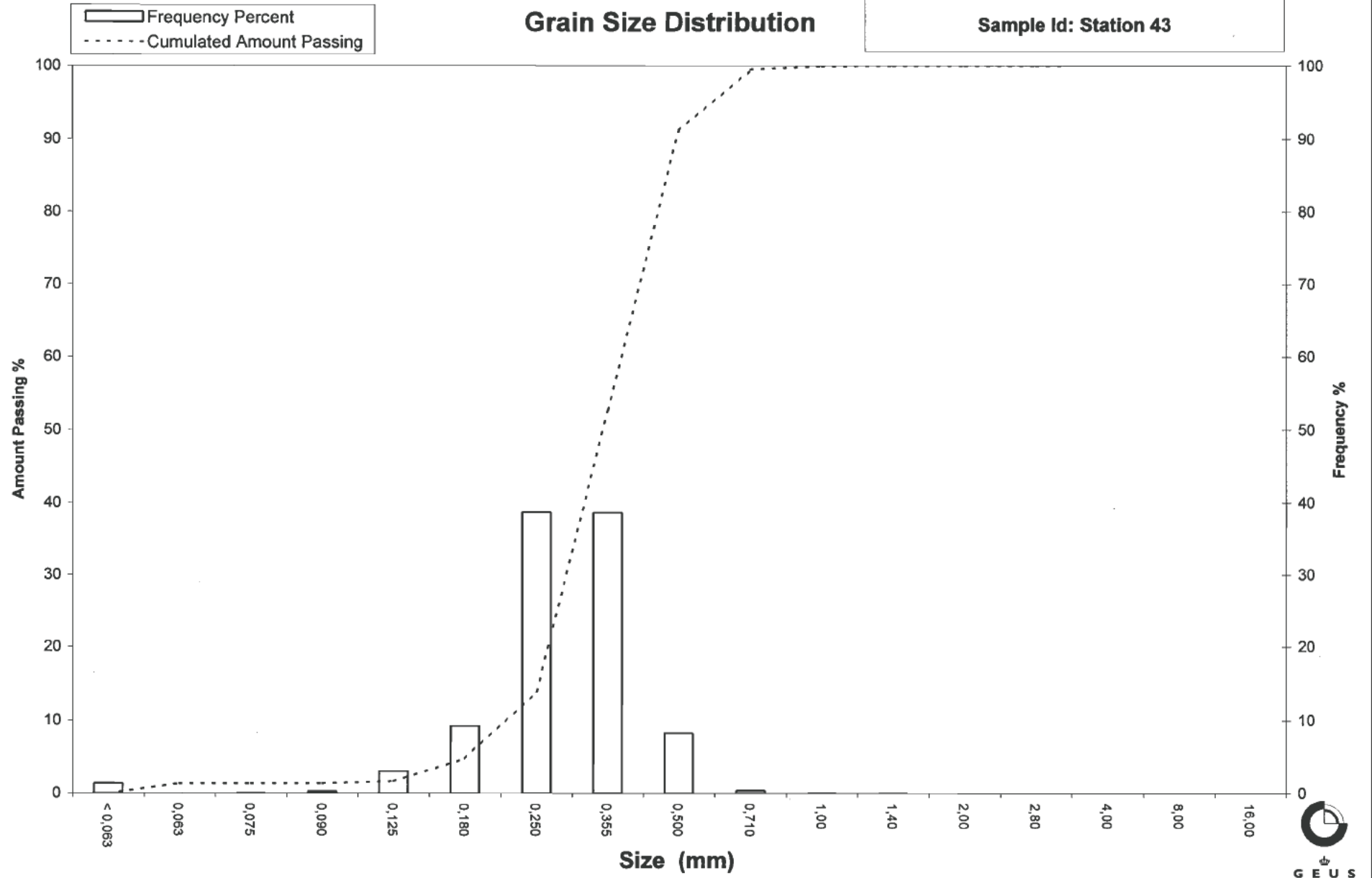
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 43



Grain Size Distribution

Geotechnical

Sample Id: Station 44
Lab. Id: 060611
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,54 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,07	0,07	99,93
1,00	0,00	0,12	0,12	99,82
0,710	0,49	1,67	1,61	98,20
0,500	1,00	14,85	14,34	83,86
0,355	1,49	40,38	39,00	44,86
0,250	2,00	31,97	30,88	13,98
0,180	2,47	9,22	8,90	5,08
0,125	3,00	3,56	3,44	1,64
0,090	3,47	0,51	0,49	1,15
0,075	3,74	0,06	0,06	1,09
0,063	3,99	0,02	0,02	1,07
< 0,063	> 3,99	1,11	1,07	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,07
Sand, fine (0,063 mm - 0,200 mm):	6,55
Sand, medium (0,2 mm - 0,6 mm):	83,07
Sand, coarse (0,6 mm - 2 mm):	9,31
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,66	0,59
16%	84%	0,50	0,99
25%	75%	0,47	1,10
40%	60%	0,41	1,28
Median 50%	50%	0,37	1,42
75%	25%	0,29	1,80
84%	16%	0,26	1,96
90%	10%	0,22	2,19
95%	5%	0,18	2,48

Moments Statistics

Mean	1,46
Sorting	0,53
Skewness	0,12
Kurtosis	1,11
Uniformity Coefficient	1,88

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

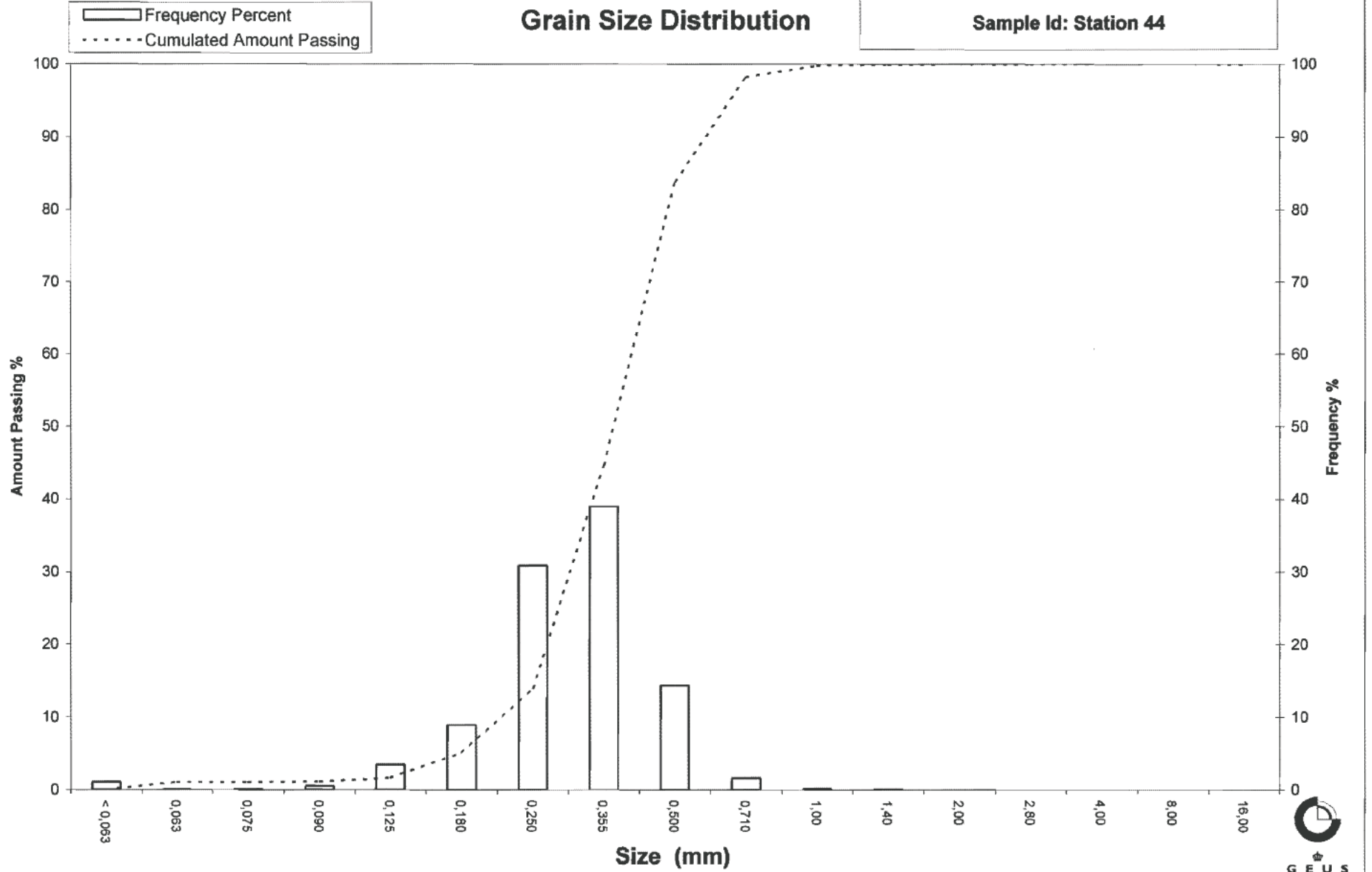
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 44



Grain Size Distribution

Geotechnical

Sample Id: Station 45
Lab. Id: 060612
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,9 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing %
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,03	0,03	99,97
1,00	0,00	0,04	0,04	99,93
0,710	0,49	0,59	0,57	99,36
0,500	1,00	8,19	7,88	91,48
0,355	1,49	33,39	32,14	59,35
0,250	2,00	40,58	39,06	20,29
0,180	2,47	12,54	12,07	8,22
0,125	3,00	6,64	6,39	1,83
0,090	3,47	0,77	0,74	1,09
0,075	3,74	0,06	0,06	1,03
0,063	3,99	0,02	0,02	1,01
< 0,063	> 3,99	1,05	1,01	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,01
Sand, fine (0,063 mm - 0,200 mm):	10,66
Sand, medium (0,2 mm - 0,6 mm):	83,57
Sand, coarse (0,6 mm - 2 mm):	4,76
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,59	0,75
16%	84%	0,47	1,10
25%	75%	0,43	1,23
40%	60%	0,36	1,48
Median 50%	50%	0,33	1,60
75%	25%	0,26	1,93
84%	16%	0,23	2,15
90%	10%	0,19	2,39
95%	5%	0,15	2,72

Moments Statistics

Mean	1,62
Sorting	0,56
Skewness	0,09
Kurtosis	1,16
Uniformity Coefficient	1,88

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

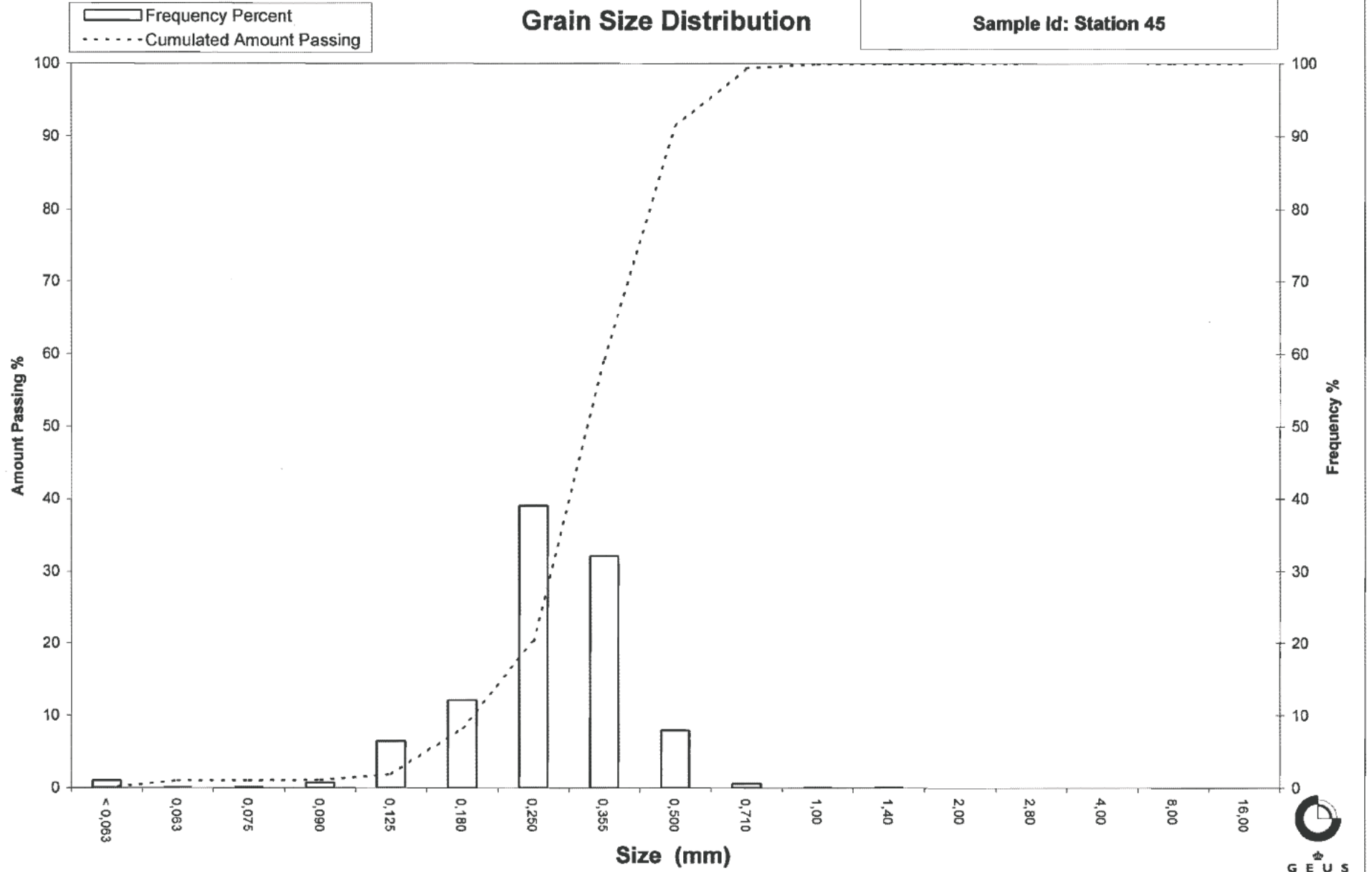
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 45



Grain Size Distribution

Geotechnical

Sample Id: Station 51
Lab. Id: 060613
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,01 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,04	0,04	99,96
1,00	0,00	0,11	0,11	99,85
0,710	0,49	0,82	0,80	99,06
0,500	1,00	7,11	6,90	92,16
0,355	1,49	13,06	12,68	79,48
0,250	2,00	20,49	19,89	59,59
0,180	2,47	39,30	38,15	21,43
0,125	3,00	20,12	19,53	1,90
0,090	3,47	1,01	0,98	0,92
0,075	3,74	0,07	0,07	0,85
0,063	3,99	0,01	0,01	0,84
< 0,063	> 3,99	0,87	0,84	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,84
Sand, fine (0,063 mm - 0,200 mm):	31,49
Sand, medium (0,2 mm - 0,6 mm):	63,11
Sand, coarse (0,6 mm - 2 mm):	4,56
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,59	0,77
16%	84%	0,41	1,30
25%	75%	0,33	1,59
40%	60%	0,25	1,99
Median 50%	50%	0,23	2,11
75%	25%	0,19	2,42
84%	16%	0,16	2,60
90%	10%	0,15	2,76
95%	5%	0,13	2,90

Moments Statistics

Mean	2,00
Sorting	0,65
Skewness	-0,25
Kurtosis	1,05
Uniformity Coefficient	1,71

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

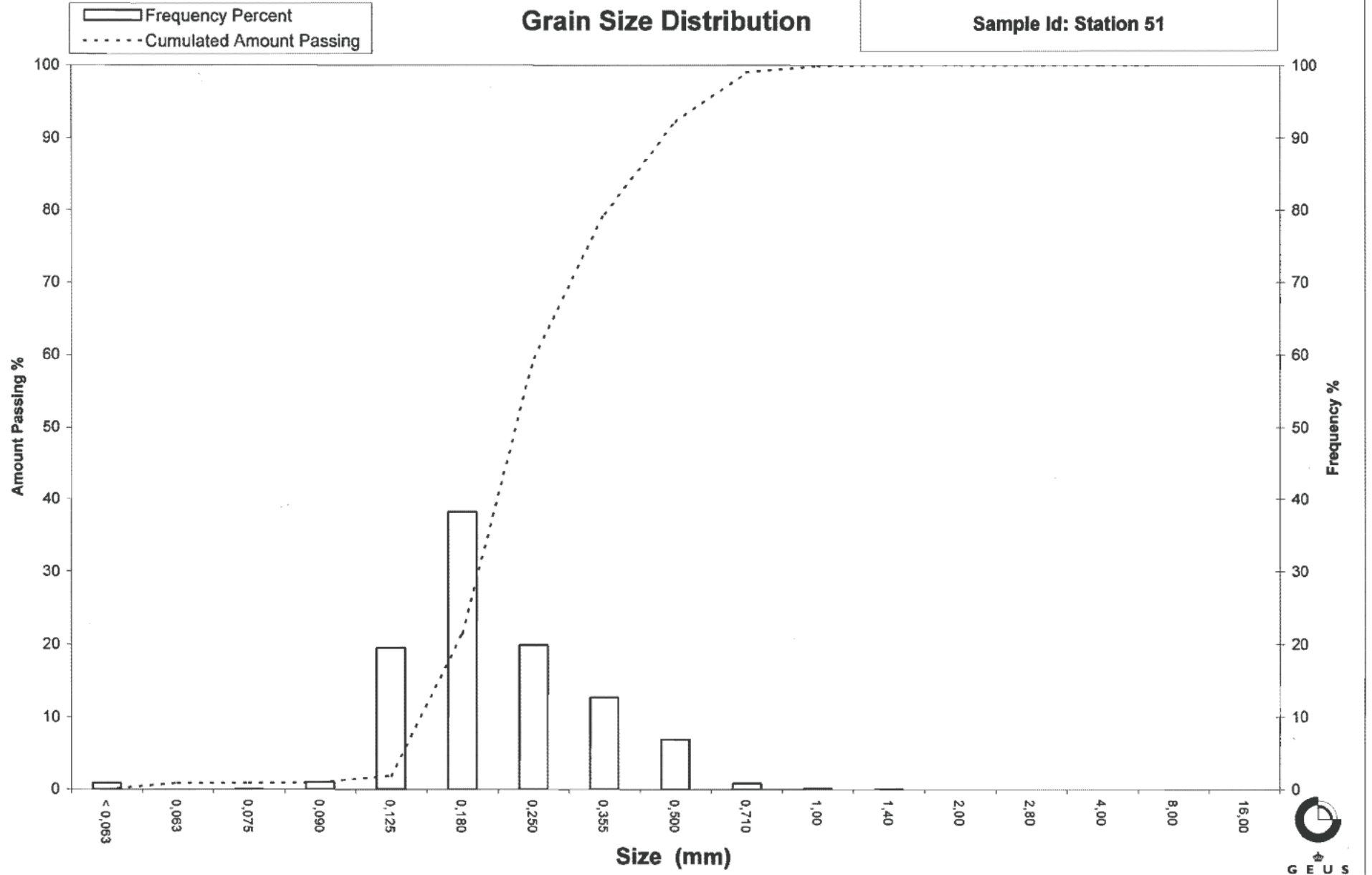
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgt-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 51



Grain Size Distribution

Geotechnical

Sample Id: Station 52
Lab. Id: 060614
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,3 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing %
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,06	0,06	99,94
2,00	-1,00	0,06	0,06	99,89
1,40	-0,49	0,11	0,10	99,78
1,00	0,00	0,34	0,32	99,46
0,710	0,49	3,13	2,97	96,49
0,500	1,00	18,96	18,01	78,48
0,355	1,49	19,12	18,16	60,32
0,250	2,00	20,81	19,76	40,56
0,180	2,47	30,40	28,87	11,69
0,125	3,00	10,66	10,12	1,57
0,090	3,47	0,53	0,50	1,06
0,075	3,74	0,04	0,04	1,03
0,063	3,99	0,00	0,00	1,03
< 0,063	> 3,99	1,08	1,03	0,00

Gravel

Sand

Sieve Analysis

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,03
Sand, fine (0,063 mm - 0,200 mm):	18,91
Sand, medium (0,2 mm - 0,6 mm):	67,12
Sand, coarse (0,6 mm - 2 mm):	12,83
Gravel (> 2 mm):	0,11
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,69	0,53
16%	84%	0,56	0,83
25%	75%	0,47	1,08
40%	60%	0,35	1,50
Median 50%	50%	0,30	1,74
75%	25%	0,21	2,24
84%	16%	0,19	2,39
90%	10%	0,17	2,55
95%	5%	0,14	2,80

Moments Statistics

Mean	1,65
Sorting	0,74
Skewness	-0,11
Kurtosis	0,81
Uniformity Coefficient	2,07

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

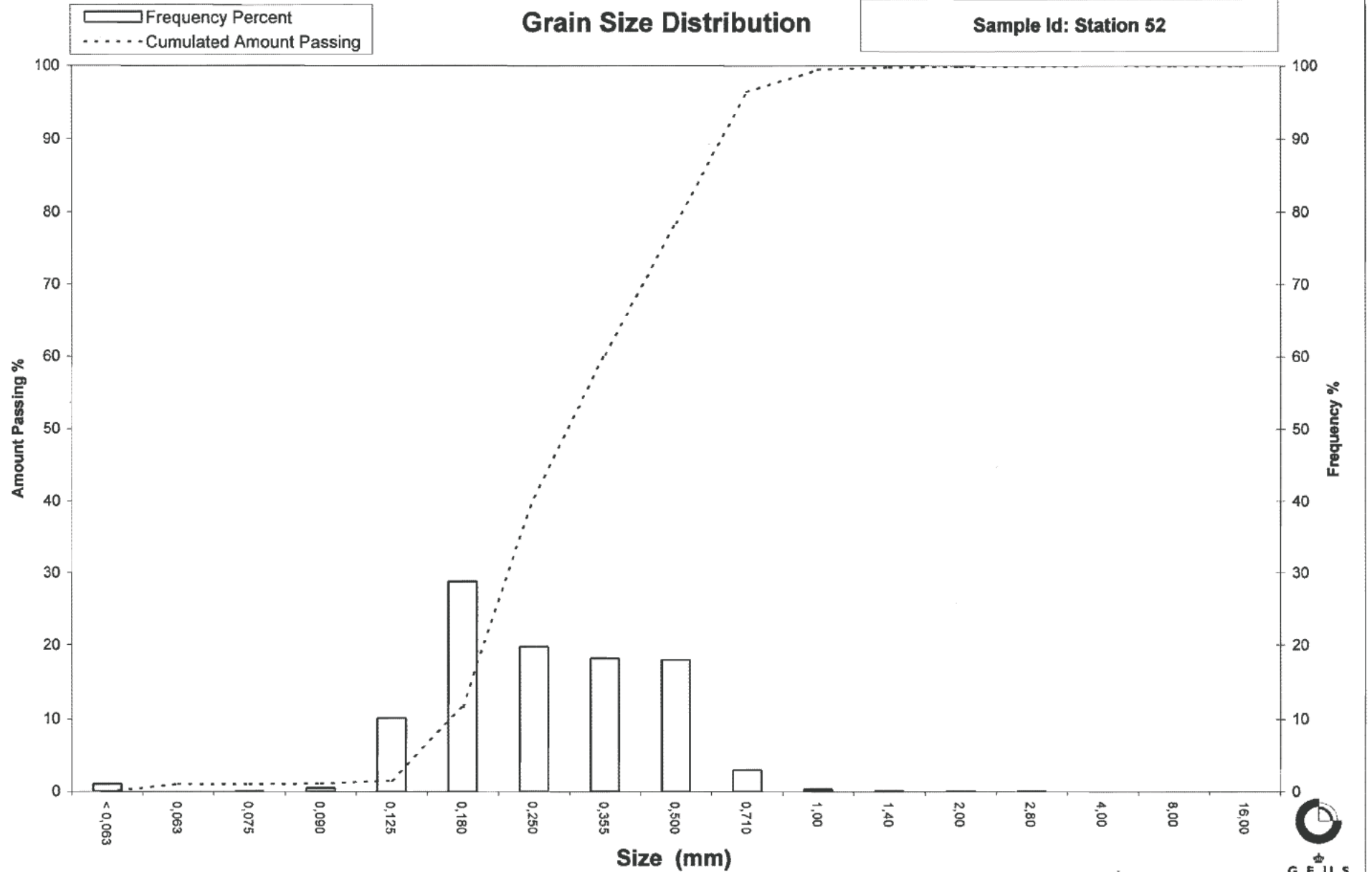
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 52



Grain Size Distribution

Geotechnical

Sample Id: Station 53
Lab. Id: 060615
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,71 g

Size Fractions

Size	Size	Weight	Weight	Cumulated
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,17	0,16	99,84
2,00	-1,00	0,16	0,15	99,69
1,40	-0,49	0,37	0,35	99,34
1,00	0,00	0,72	0,68	98,66
0,710	0,49	4,95	4,68	93,97
0,500	1,00	23,59	22,32	71,66
0,355	1,49	17,58	16,63	55,03
0,250	2,00	19,61	18,55	36,48
0,180	2,47	24,23	22,92	13,56
0,125	3,00	11,71	11,08	2,48
0,090	3,47	0,95	0,90	1,58
0,075	3,74	0,10	0,09	1,49
0,063	3,99	0,03	0,03	1,46
< 0,063	> 3,99	1,54	1,46	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,46
Sand, fine (0,063 mm - 0,200 mm):	18,65
Sand, medium (0,2 mm - 0,6 mm):	62,18
Sand, coarse (0,6 mm - 2 mm):	17,40
Gravel (> 2 mm):	0,31
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,77	0,37
16%	84%	0,62	0,70
25%	75%	0,53	0,91
40%	60%	0,40	1,33
Median 50%	50%	0,33	1,61
75%	25%	0,21	2,22
84%	16%	0,19	2,42
90%	10%	0,16	2,62
95%	5%	0,14	2,86

Moments Statistics

Mean	1,58
Sorting	0,81
Skewness	-0,03
Kurtosis	0,78
Uniformity Coefficient	2,45

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

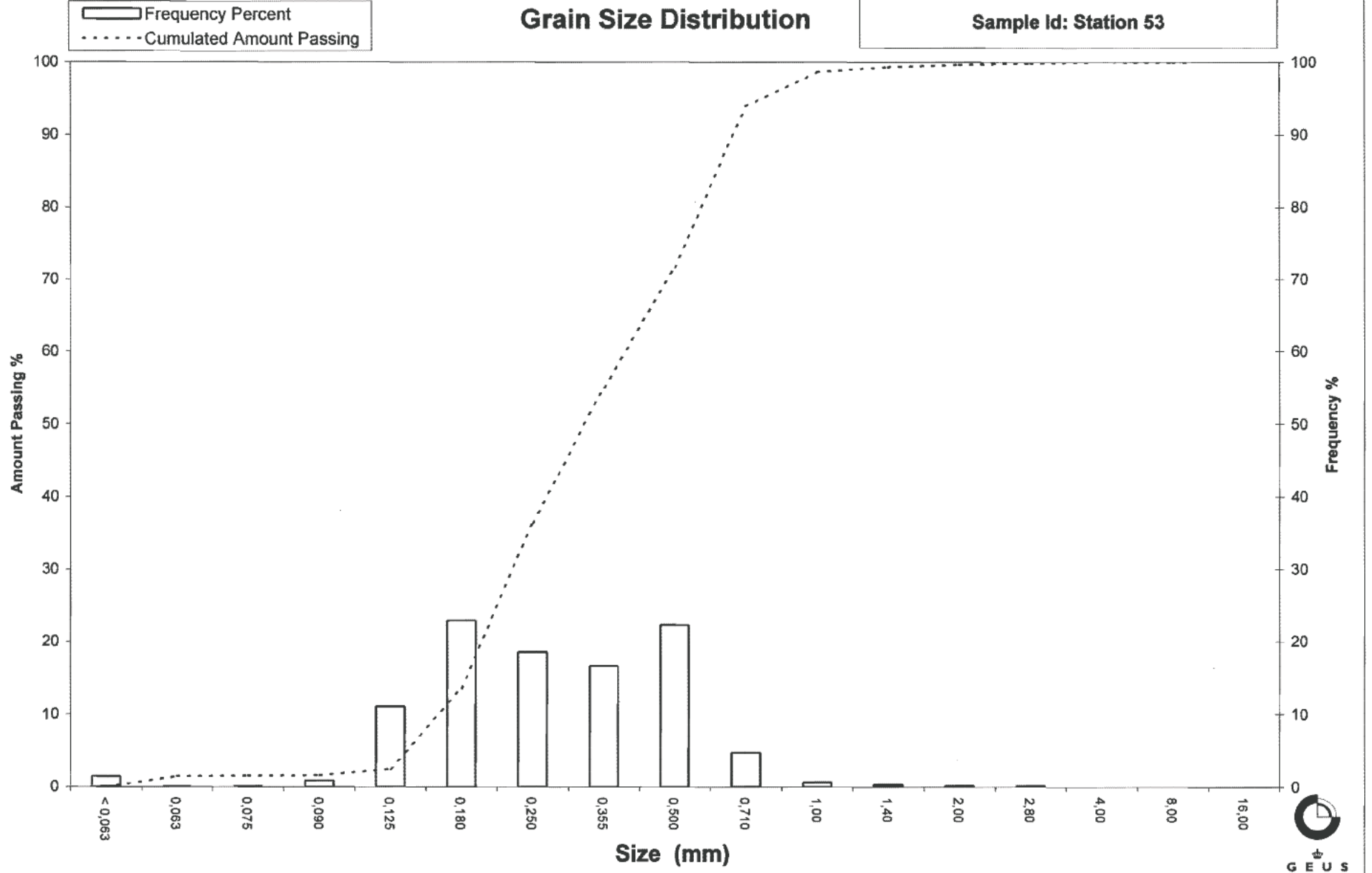
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 53



Grain Size Distribution

Geotechnical

Sample Id: Station 54
Lab. Id: 060616
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,7 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,03	0,03	99,97
2,00	-1,00	0,03	0,03	99,94
1,40	-0,49	0,05	0,05	99,89
1,00	0,00	0,16	0,15	99,74
0,710	0,49	1,37	1,31	98,43
0,500	1,00	9,71	9,27	89,16
0,355	1,49	11,81	11,28	77,88
0,250	2,00	21,44	20,48	57,40
0,180	2,47	38,52	36,79	20,61
0,125	3,00	19,29	18,42	2,19
0,090	3,47	1,36	1,30	0,89
0,075	3,74	0,11	0,11	0,78
0,063	3,99	0,03	0,03	0,75
< 0,063	> 3,99	0,79	0,75	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,75
Sand, fine (0,063 mm - 0,200 mm):	30,37
Sand, medium (0,2 mm - 0,6 mm):	62,45
Sand, coarse (0,6 mm - 2 mm):	6,37
Gravel (> 2 mm):	0,06
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,63	0,66
16%	84%	0,43	1,21
25%	75%	0,34	1,56
40%	60%	0,26	1,93
Median 50%	50%	0,24	2,08
75%	25%	0,19	2,41
84%	16%	0,17	2,59
90%	10%	0,15	2,75
95%	5%	0,13	2,91

Moments Statistics

Mean	1,96
Sorting	0,69
Skewness	-0,27
Kurtosis	1,08
Uniformity Coefficient	1,78

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

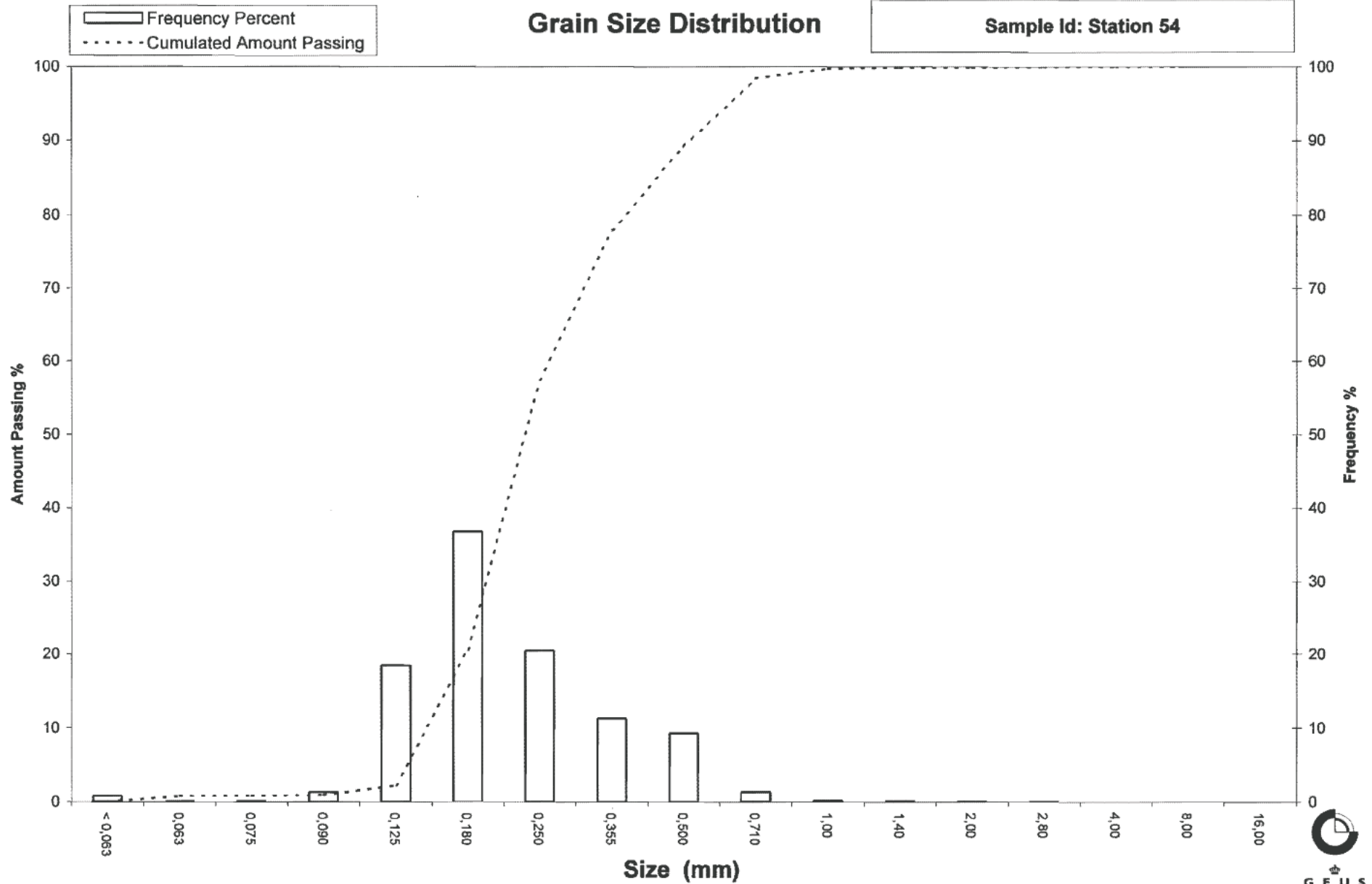
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 54



Grain Size Distribution

Geotechnical

Sample Id: Station 55
Lab. Id: 060617
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,59 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,03	0,03	99,97
2,80	-1,49	0,02	0,02	99,95
2,00	-1,00	0,01	0,01	99,94
1,40	-0,49	0,04	0,04	99,90
1,00	0,00	0,09	0,09	99,82
0,710	0,49	0,34	0,33	99,49
0,500	1,00	2,96	2,86	96,63
0,355	1,49	4,98	4,81	91,82
0,250	2,00	13,84	13,36	78,46
0,180	2,47	47,94	46,28	32,18
0,125	3,00	30,20	29,15	3,03
0,090	3,47	2,16	2,09	0,95
0,075	3,74	0,12	0,12	0,83
0,063	3,99	0,01	0,01	0,82
< 0,063	> 3,99	0,85	0,82	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,82
Sand, fine (0,063 mm - 0,200 mm):	44,59
Sand, medium (0,2 mm - 0,6 mm):	52,58
Sand, coarse (0,6 mm - 2 mm):	1,95
Gravel (> 2 mm):	0,06
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,45	1,15
16%	84%	0,29	1,77
25%	75%	0,24	2,03
40%	60%	0,22	2,17
Median 50%	50%	0,21	2,27
75%	25%	0,17	2,59
84%	16%	0,15	2,74
90%	10%	0,14	2,86
95%	5%	0,13	2,96

Moments Statistics

Mean	2,26
Sorting	0,52
Skewness	-0,14
Kurtosis	1,33
Uniformity Coefficient	1,61

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

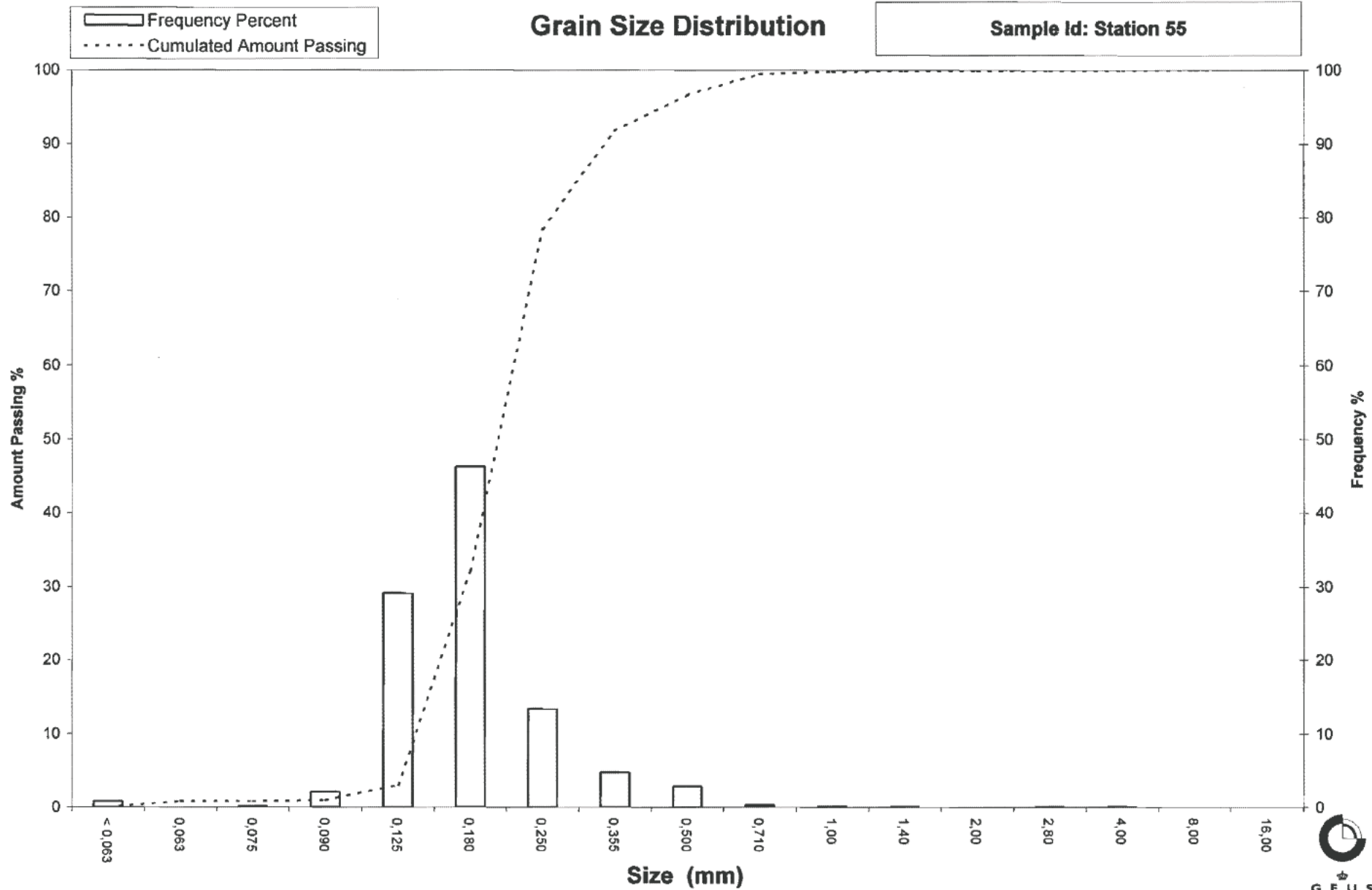
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 55



Grain Size Distribution

Geotechnical

Sample Id: Station 61
Lab. Id: 060618
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 101,95 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,01	0,01	99,99
1,40	-0,49	0,00	0,00	99,99
1,00	0,00	0,02	0,02	99,97
0,710	0,49	0,17	0,17	99,80
0,500	1,00	1,79	1,76	98,05
0,355	1,49	12,74	12,50	85,55
0,250	2,00	47,25	46,35	39,21
0,180	2,47	34,55	33,89	5,32
0,125	3,00	4,04	3,96	1,35
0,090	3,47	0,56	0,55	0,80
0,075	3,74	0,07	0,07	0,74
0,063	3,99	0,02	0,02	0,72
< 0,063	> 3,99	0,73	0,72	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,72
Sand, fine (0,063 mm - 0,200 mm):	14,28
Sand, medium (0,2 mm - 0,6 mm):	83,89
Sand, coarse (0,6 mm - 2 mm):	1,11
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,46	1,11
16%	84%	0,35	1,51
25%	75%	0,33	1,59
40%	60%	0,30	1,75
Median 50%	50%	0,27	1,87
75%	25%	0,22	2,18
84%	16%	0,20	2,31
90%	10%	0,19	2,40
95%	5%	0,18	2,51

Moments Statistics

Mean	1,89
Sorting	0,41
Skewness	0,01
Kurtosis	0,98
Uniformity Coefficient	1,57

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

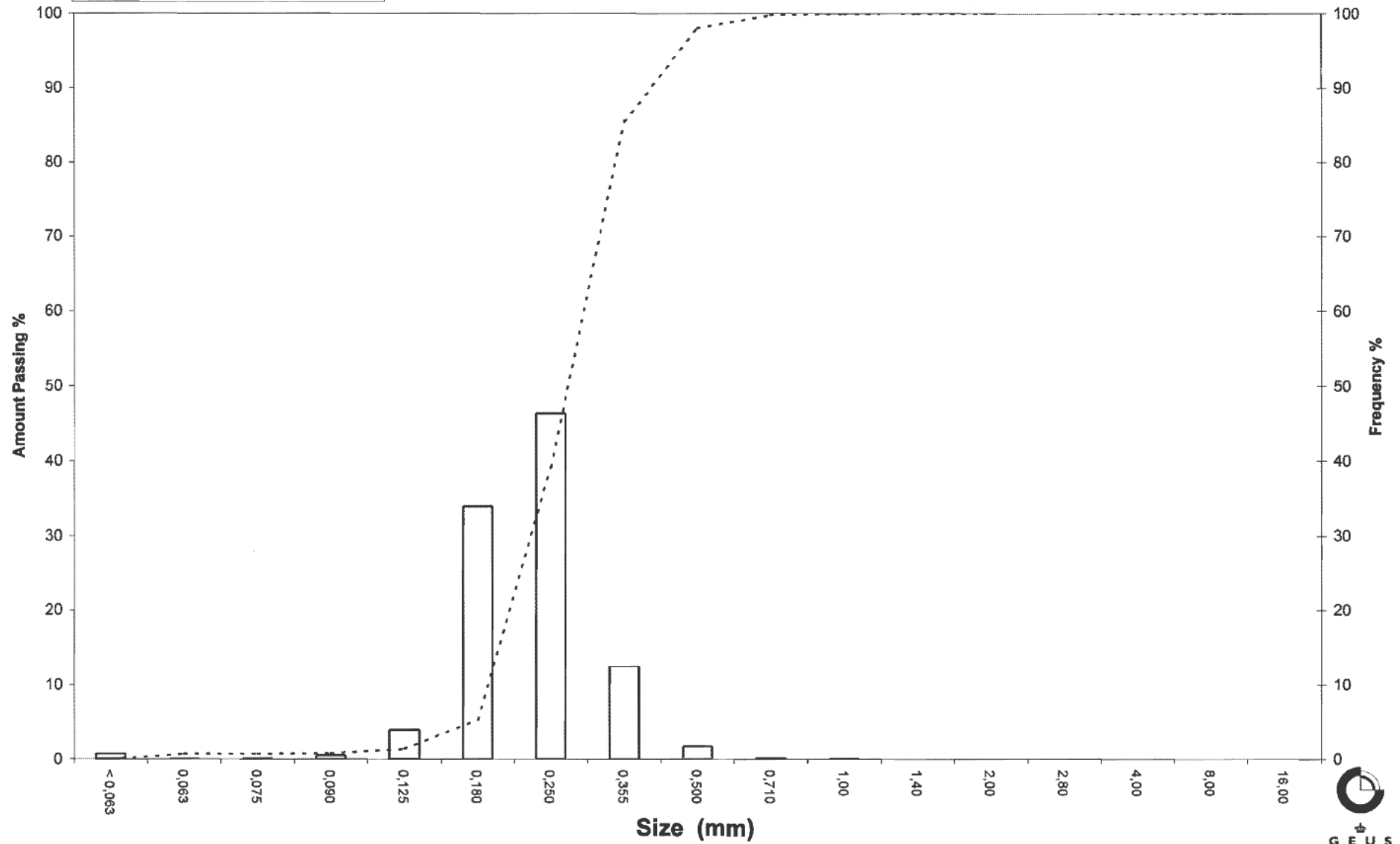
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 61



Grain Size Distribution

Geotechnical

Sample Id: Station 62
Lab. Id: 060619
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,69 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,01	0,01	99,99
1,00	0,00	0,02	0,02	99,97
0,710	0,49	0,16	0,15	99,82
0,500	1,00	2,39	2,28	97,54
0,355	1,49	16,61	15,87	81,67
0,250	2,00	55,45	52,97	28,70
0,180	2,47	25,34	24,20	4,50
0,125	3,00	2,91	2,78	1,72
0,090	3,47	0,36	0,34	1,38
0,075	3,74	0,05	0,05	1,33
0,063	3,99	0,02	0,02	1,31
< 0,063	> 3,99	1,37	1,31	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,31
Sand, fine (0,063 mm - 0,200 mm):	10,11
Sand, medium (0,2 mm - 0,6 mm):	87,21
Sand, coarse (0,6 mm - 2 mm):	1,38
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,48	1,07
16%	84%	0,38	1,41
25%	75%	0,34	1,55
40%	60%	0,31	1,68
Median 50%	50%	0,29	1,77
75%	25%	0,24	2,06
84%	16%	0,21	2,23
90%	10%	0,20	2,35
95%	5%	0,18	2,46

Moments Statistics

Mean	1,80
Sorting	0,42
Skewness	0,05
Kurtosis	1,11
Uniformity Coefficient	1,59

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

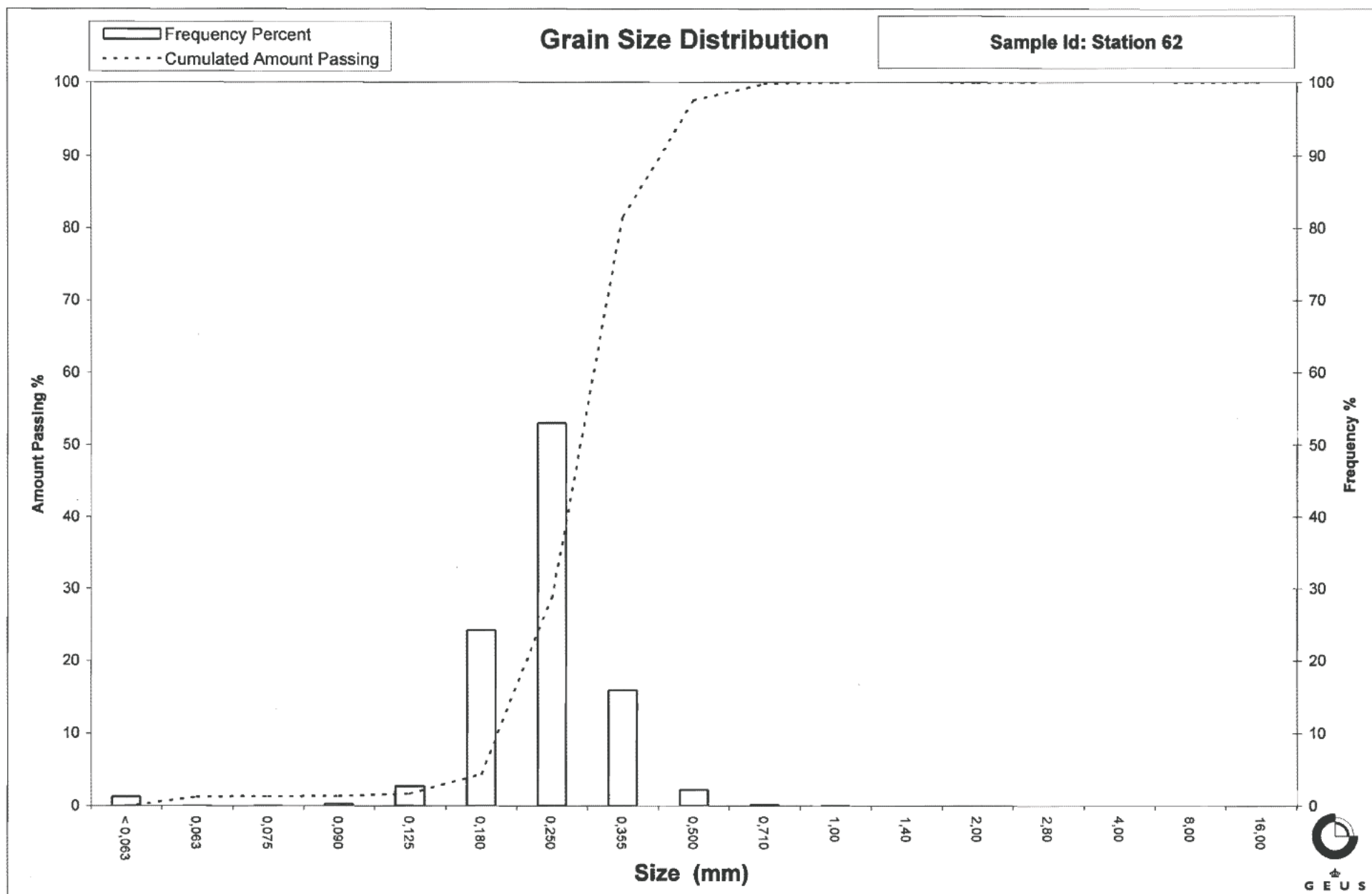
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

**Size (mm)**
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 63
Lab. Id: 060620
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,55 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,03	0,03	99,97
1,00	0,00	0,03	0,03	99,95
0,710	0,49	0,13	0,12	99,83
0,500	1,00	1,72	1,57	98,26
0,355	1,49	13,28	12,12	86,13
0,250	2,00	55,62	50,77	35,36
0,180	2,47	32,11	29,31	6,05
0,125	3,00	4,64	4,24	1,82
0,090	3,47	0,73	0,67	1,15
0,075	3,74	0,09	0,08	1,07
0,063	3,99	0,03	0,03	1,04
< 0,063	> 3,99	1,14	1,04	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,04
Sand, fine (0,063 mm - 0,200 mm):	13,39
Sand, medium (0,2 mm - 0,6 mm):	84,58
Sand, coarse (0,6 mm - 2 mm):	1,00
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,46	1,12
16%	84%	0,35	1,51
25%	75%	0,33	1,59
40%	60%	0,30	1,73
Median 50%	50%	0,28	1,84
75%	25%	0,23	2,15
84%	16%	0,20	2,30
90%	10%	0,19	2,40
95%	5%	0,17	2,59

Moments Statistics

Mean	1,88
Sorting	0,42
Skewness	0,10
Kurtosis	1,08
Uniformity Coefficient	1,59

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

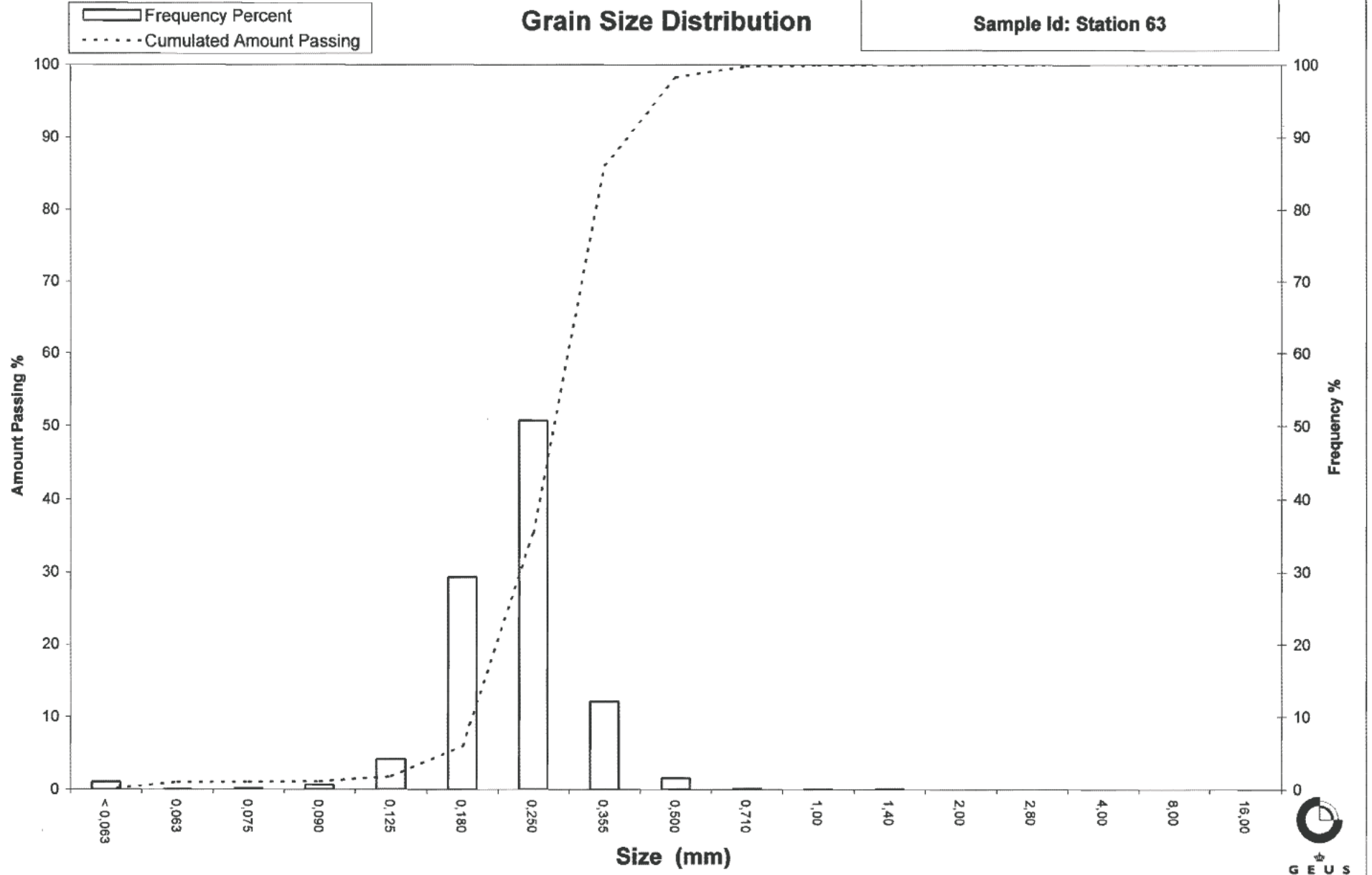
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 63



Grain Size Distribution

Geotechnical

Sample Id: Station 64
Lab. Id: 060621
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 100,75 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,10	0,10	99,90
	2,80	-1,49	0,00	0,00	99,90
	2,00	-1,00	0,00	0,00	99,90
	1,40	-0,49	0,00	0,00	99,90
	1,00	0,00	0,11	0,11	99,79
	0,710	0,49	0,27	0,27	99,52
	0,500	1,00	1,59	1,58	97,95
	0,355	1,49	13,33	13,23	84,71
Sand	0,250	2,00	52,58	52,19	32,53
	0,180	2,47	27,99	27,78	4,74
	0,125	3,00	3,47	3,44	1,30
	0,090	3,47	0,44	0,44	0,86
	0,075	3,74	0,06	0,06	0,80
	0,063	3,99	0,02	0,02	0,78
	< 0,063	> 3,99	0,79	0,78	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,78
Sand, fine (0,063 mm - 0,200 mm):	11,90
Sand, medium (0,2 mm - 0,6 mm):	86,01
Sand, coarse (0,6 mm - 2 mm):	1,20
Gravel (> 2 mm):	0,10
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,47	1,10
16%	84%	0,35	1,50
25%	75%	0,34	1,58
40%	60%	0,31	1,71
Median 50%	50%	0,29	1,81
75%	25%	0,23	2,11
84%	16%	0,21	2,26
90%	10%	0,19	2,37
95%	5%	0,18	2,47

Moments Statistics

Mean	1,86
Sorting	0,40
Skewness	0,07
Kurtosis	1,05
Uniformity Coefficient	1,58

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

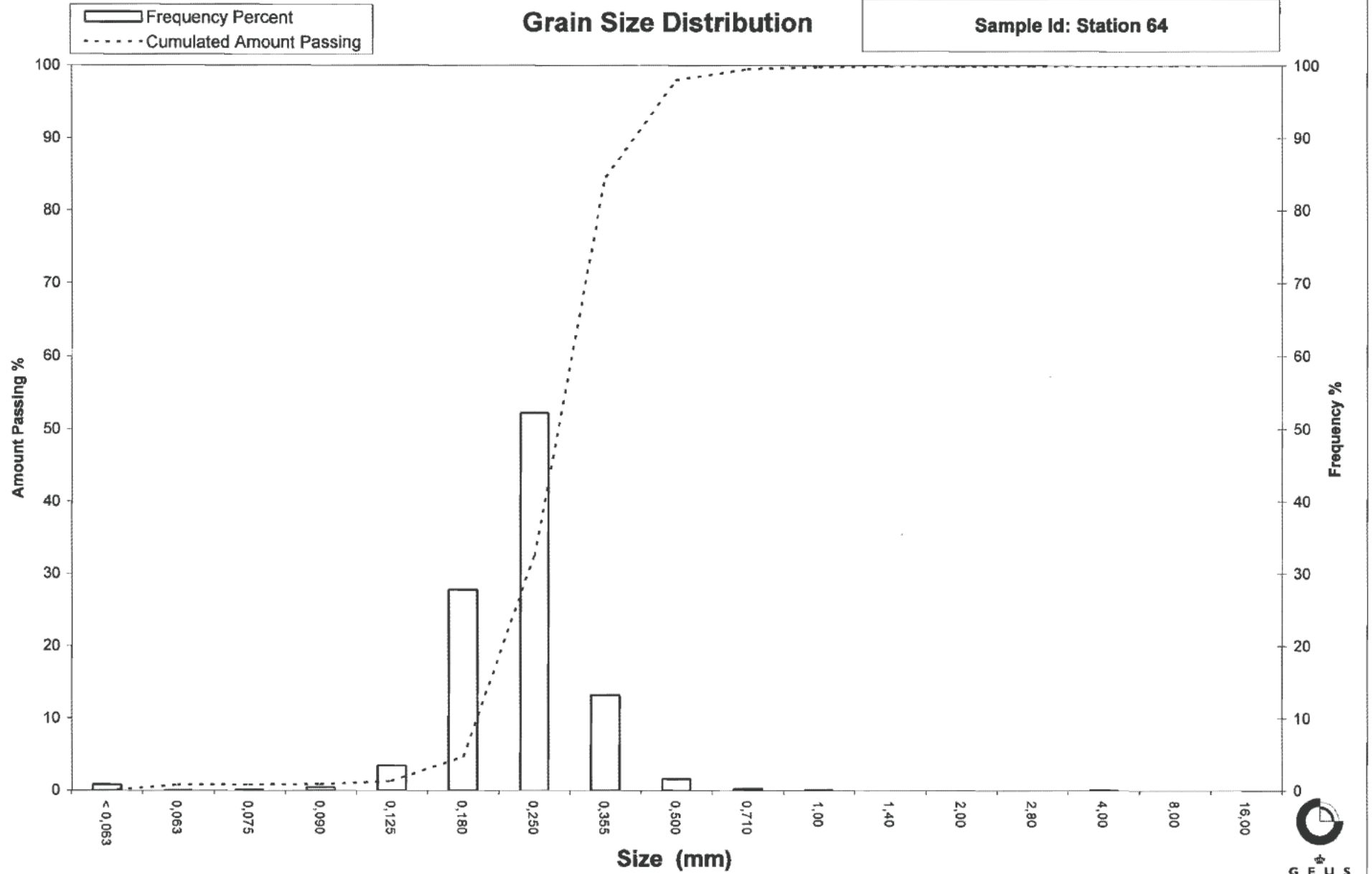
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 64



Grain Size Distribution

Geotechnical

Sample Id: Station 65
Lab. Id: 060622
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 107,06 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,01	0,01	99,99
1,40	-0,49	0,00	0,00	99,99
1,00	0,00	0,02	0,02	99,97
0,710	0,49	0,10	0,09	99,88
0,500	1,00	1,37	1,28	98,60
0,355	1,49	13,10	12,24	86,36
0,250	2,00	51,94	48,51	37,85
0,180	2,47	34,61	32,33	5,52
0,125	3,00	4,08	3,81	1,71
0,090	3,47	0,66	0,62	1,09
0,075	3,74	0,07	0,07	1,03
0,063	3,99	0,02	0,02	1,01
< 0,063	> 3,99	1,08	1,01	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,01
Sand, fine (0,063 mm - 0,200 mm):	13,75
Sand, medium (0,2 mm - 0,6 mm):	84,45
Sand, coarse (0,6 mm - 2 mm):	0,78
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,46	1,13
16%	84%	0,35	1,52
25%	75%	0,33	1,60
40%	60%	0,30	1,75
Median 50%	50%	0,28	1,86
75%	25%	0,22	2,17
84%	16%	0,20	2,30
90%	10%	0,19	2,40
95%	5%	0,17	2,54

Moments Statistics

Mean	1,89
Sorting	0,41
Skewness	0,05
Kurtosis	1,01
Uniformity Coefficient	1,57

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

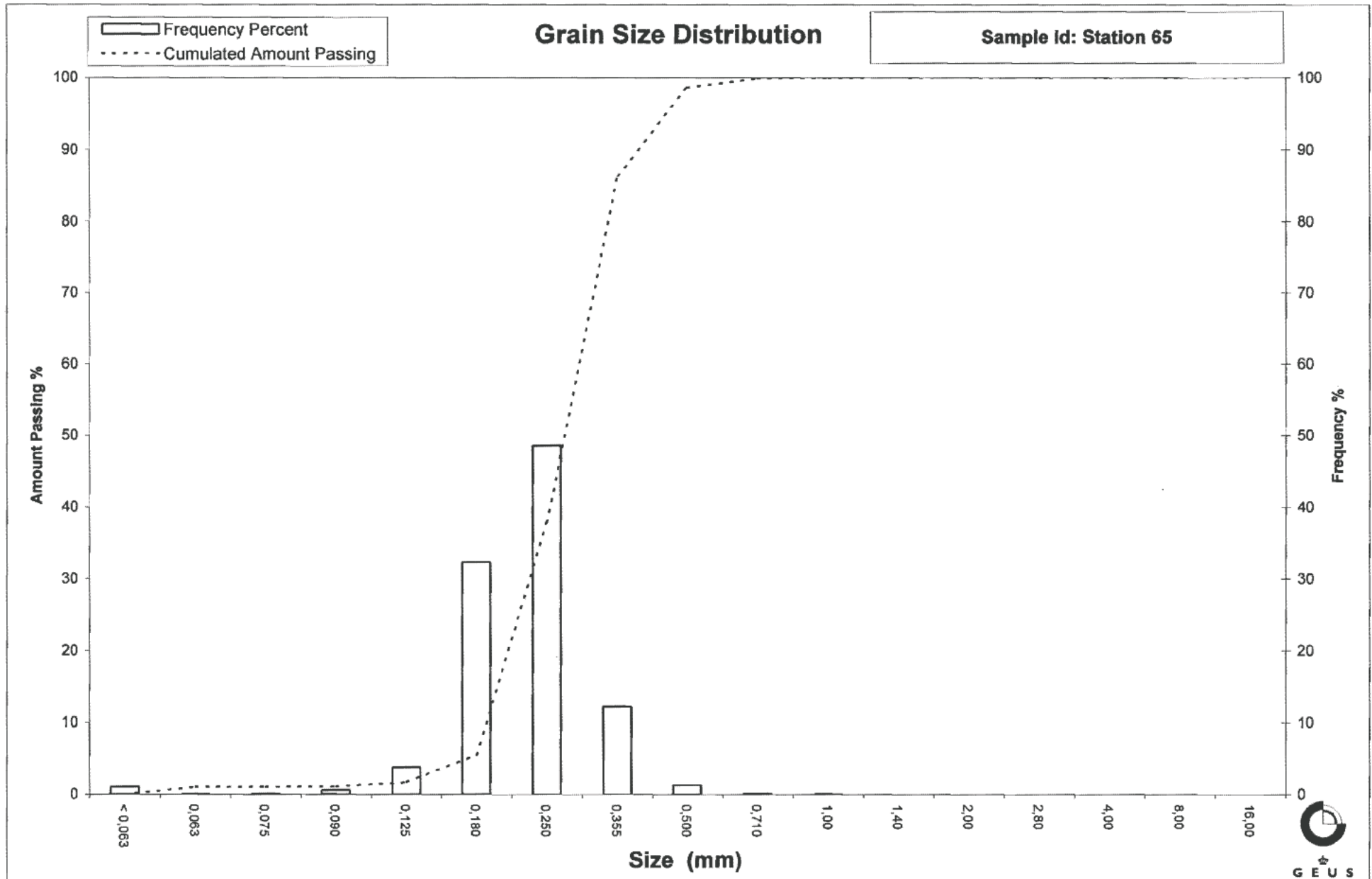
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 71
Lab. Id: 060623
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,06 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,03	0,03	99,97
1,00	0,00	0,55	0,53	99,44
0,710	0,49	1,39	1,34	98,11
0,500	1,00	5,35	5,14	92,97
0,355	1,49	18,28	17,57	75,40
0,250	2,00	41,78	40,15	35,25
0,180	2,47	30,53	29,34	5,91
0,125	3,00	4,51	4,33	1,58
0,090	3,47	0,46	0,44	1,13
0,075	3,74	0,01	0,01	1,12
0,063	3,99	0,00	0,00	1,12
< 0,063	> 3,99	1,17	1,12	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,12
Sand, fine (0,063 mm - 0,200 mm):	13,17
Sand, medium (0,2 mm - 0,6 mm):	81,12
Sand, coarse (0,6 mm - 2 mm):	4,59
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,58	0,78
16%	84%	0,43	1,23
25%	75%	0,35	1,50
40%	60%	0,31	1,67
Median 50%	50%	0,29	1,79
75%	25%	0,23	2,15
84%	16%	0,20	2,29
90%	10%	0,19	2,40
95%	5%	0,17	2,57

Moments Statistics

Mean	1,77
Sorting	0,54
Skewness	-0,10
Kurtosis	1,13
Uniformity Coefficient	1,66

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

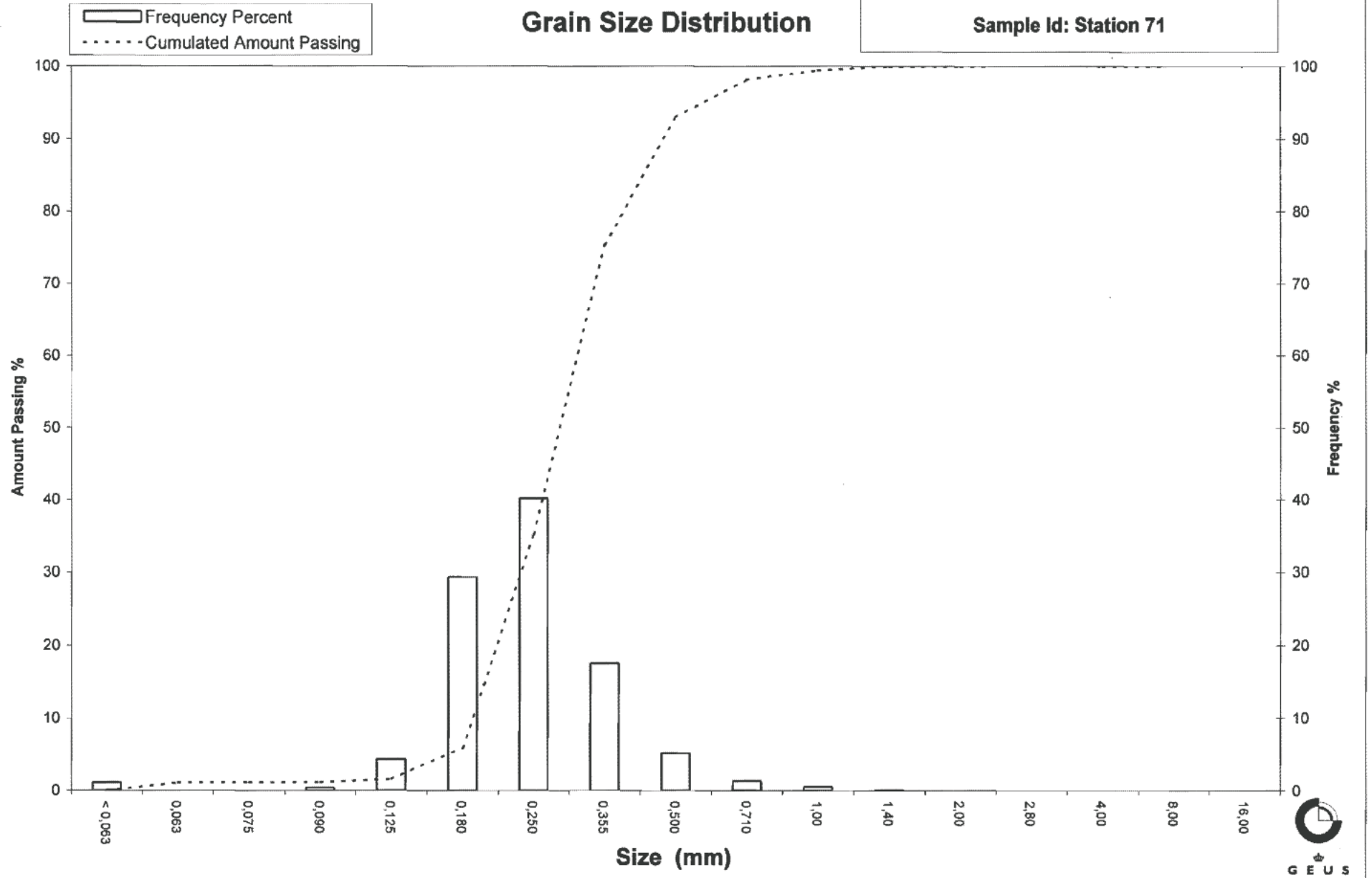
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 71



Grain Size Distribution

Geotechnical

Sample Id: Station 72
Lab. Id: 060624
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,3 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,02	99,98
2,00	-1,00	0,00	0,00	99,98
1,40	-0,49	0,03	0,03	99,95
1,00	0,00	0,16	0,15	99,80
0,710	0,49	1,33	1,26	98,54
0,500	1,00	5,69	5,40	93,13
0,355	1,49	17,67	16,78	76,35
0,250	2,00	42,96	40,80	35,56
0,180	2,47	31,08	29,52	6,04
0,125	3,00	4,72	4,48	1,56
0,090	3,47	0,49	0,47	1,09
0,075	3,74	0,02	0,02	1,07
0,063	3,99	0,00	0,00	1,07
< 0,063	> 3,99	1,13	1,07	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,07
Sand, fine (0,063 mm - 0,200 mm):	13,40
Sand, medium (0,2 mm - 0,6 mm):	81,23
Sand, coarse (0,6 mm - 2 mm):	4,27
Gravel (> 2 mm):	0,02
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,57	0,80
16%	84%	0,42	1,25
25%	75%	0,35	1,51
40%	60%	0,31	1,68
Median 50%	50%	0,29	1,80
75%	25%	0,22	2,15
84%	16%	0,20	2,30
90%	10%	0,19	2,40
95%	5%	0,17	2,58

Moments Statistics

Mean	1,78
Sorting	0,53
Skewness	-0,09
Kurtosis	1,13
Uniformity Coefficient	1,65

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

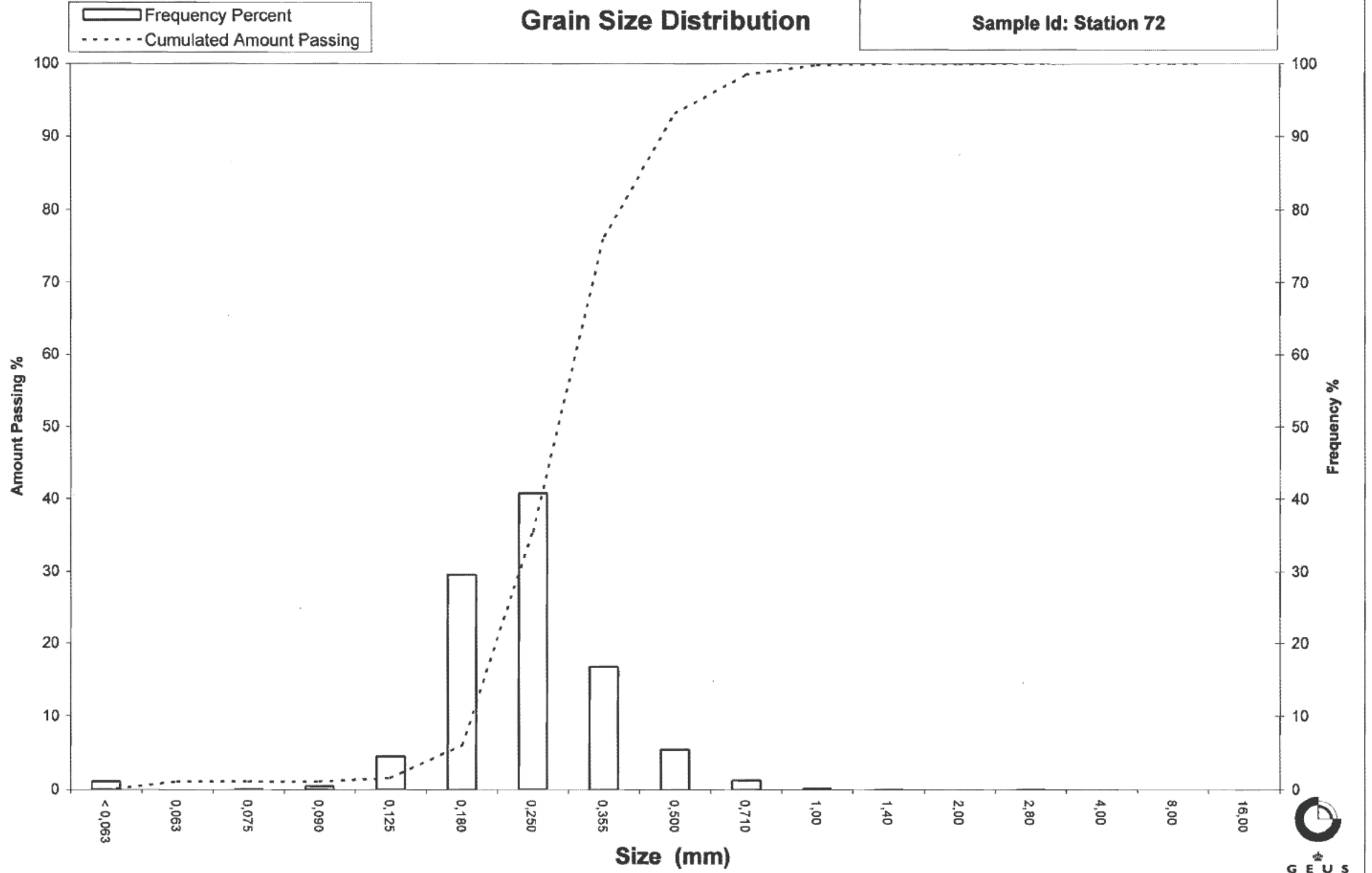
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 72



Grain Size Distribution

Geotechnical

Sample Id: Station 73
Lab. Id: 060625
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 107,2 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,01	0,01	99,99
1,40	-0,49	0,05	0,05	99,94
1,00	0,00	0,14	0,13	99,81
0,710	0,49	1,04	0,97	98,84
0,500	1,00	6,17	5,76	93,09
0,355	1,49	19,41	18,11	74,98
0,250	2,00	46,07	42,98	32,01
0,180	2,47	27,54	25,69	6,32
0,125	3,00	5,35	4,99	1,32
0,090	3,47	0,51	0,48	0,85
0,075	3,74	0,02	0,02	0,83
0,063	3,99	0,01	0,01	0,82
< 0,063	> 3,99	0,88	0,82	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,82
Sand, fine (0,063 mm - 0,200 mm):	12,83
Sand, medium (0,2 mm - 0,6 mm):	82,17
Sand, coarse (0,6 mm - 2 mm):	4,16
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,57	0,81
16%	84%	0,43	1,23
25%	75%	0,36	1,49
40%	60%	0,32	1,65
Median 50%	50%	0,29	1,77
75%	25%	0,23	2,11
84%	16%	0,21	2,28
90%	10%	0,19	2,40
95%	5%	0,17	2,60

Moments Statistics

Mean	1,76
Sorting	0,53
Skewness	-0,05
Kurtosis	1,18
Uniformity Coefficient	1,68

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

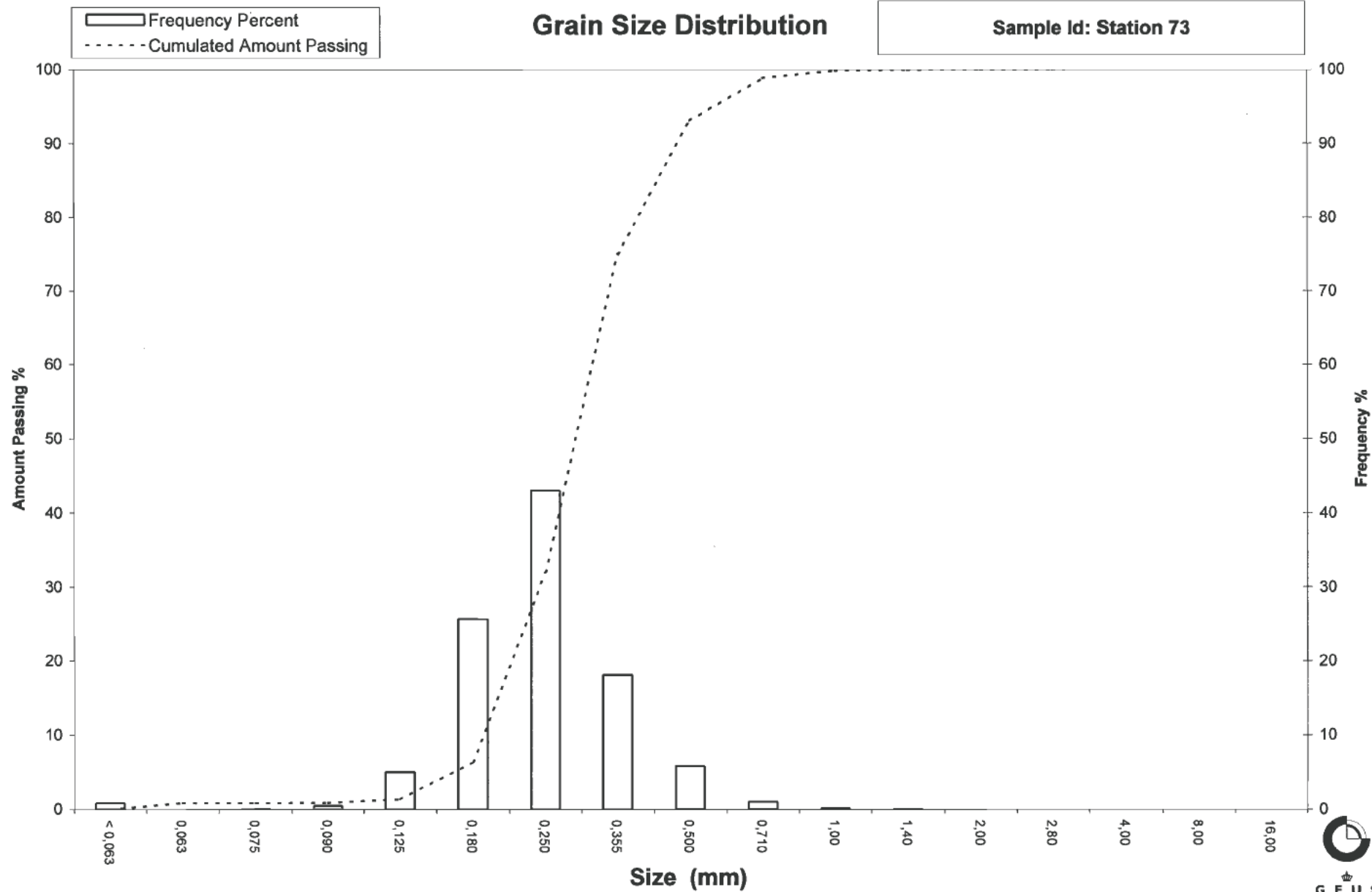
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 73



Grain Size Distribution

Geotechnical

Sample Id: Station 74
Lab. Id: 060626
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,43 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,01	0,01	99,99
1,40	-0,49	0,02	0,02	99,97
1,00	0,00	0,04	0,04	99,93
0,710	0,49	0,35	0,34	99,60
0,500	1,00	2,75	2,63	96,96
0,355	1,49	12,35	11,83	85,14
0,250	2,00	42,11	40,32	44,81
0,180	2,47	35,05	33,56	11,25
0,125	3,00	9,36	8,96	2,29
0,090	3,47	1,23	1,18	1,11
0,075	3,74	0,09	0,09	1,02
0,063	3,99	0,02	0,02	1,01
< 0,063	> 3,99	1,05	1,01	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,01
Sand, fine (0,063 mm - 0,200 mm):	19,84
Sand, medium (0,2 mm - 0,6 mm):	77,38
Sand, coarse (0,6 mm - 2 mm):	1,77
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,48	1,07
16%	84%	0,35	1,51
25%	75%	0,33	1,61
40%	60%	0,29	1,79
Median 50%	50%	0,26	1,92
75%	25%	0,21	2,26
84%	16%	0,19	2,40
90%	10%	0,17	2,54
95%	5%	0,14	2,82

Moments Statistics

Mean	1,94
Sorting	0,49
Skewness	0,04
Kurtosis	1,09
Uniformity Coefficient	1,68

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

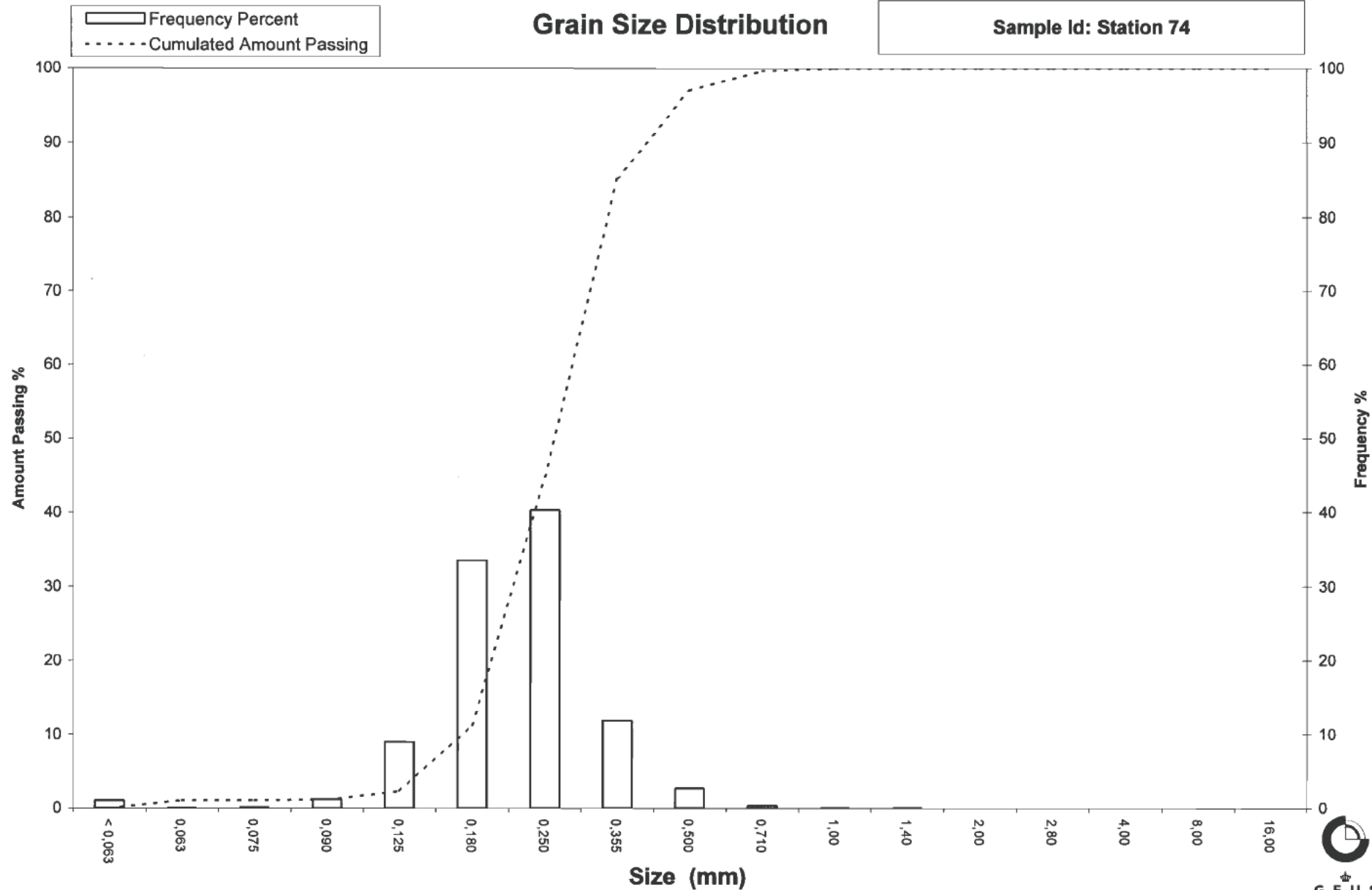
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 74



Grain Size Distribution

Geotechnical

Sample Id: Station 75
Lab. Id: 060627
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 110,45 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,10	0,09	99,91
2,80	-1,49	0,00	0,00	99,91
2,00	-1,00	0,00	0,00	99,91
1,40	-0,49	0,02	0,02	99,89
1,00	0,00	0,06	0,05	99,84
0,710	0,49	0,51	0,46	99,38
0,500	1,00	3,95	3,58	95,80
0,355	1,49	16,53	14,97	80,83
0,250	2,00	43,14	39,06	41,77
0,180	2,47	35,82	32,43	9,34
0,125	3,00	8,17	7,40	1,95
0,090	3,47	0,79	0,72	1,23
0,075	3,74	0,05	0,05	1,19
0,063	3,99	0,02	0,02	1,17
< 0,063	> 3,99	1,29	1,17	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,17
Sand, fine (0,063 mm - 0,200 mm):	17,44
Sand, medium (0,2 mm - 0,6 mm):	78,89
Sand, coarse (0,6 mm - 2 mm):	2,41
Gravel (> 2 mm):	0,09
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,49	1,02
16%	84%	0,39	1,37
25%	75%	0,34	1,56
40%	60%	0,30	1,74
Median 50%	50%	0,27	1,88
75%	25%	0,21	2,23
84%	16%	0,19	2,36
90%	10%	0,18	2,46
95%	5%	0,15	2,76

Moments Statistics

Mean	1,87
Sorting	0,51
Skewness	0,00
Kurtosis	1,07
Uniformity Coefficient	1,65

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

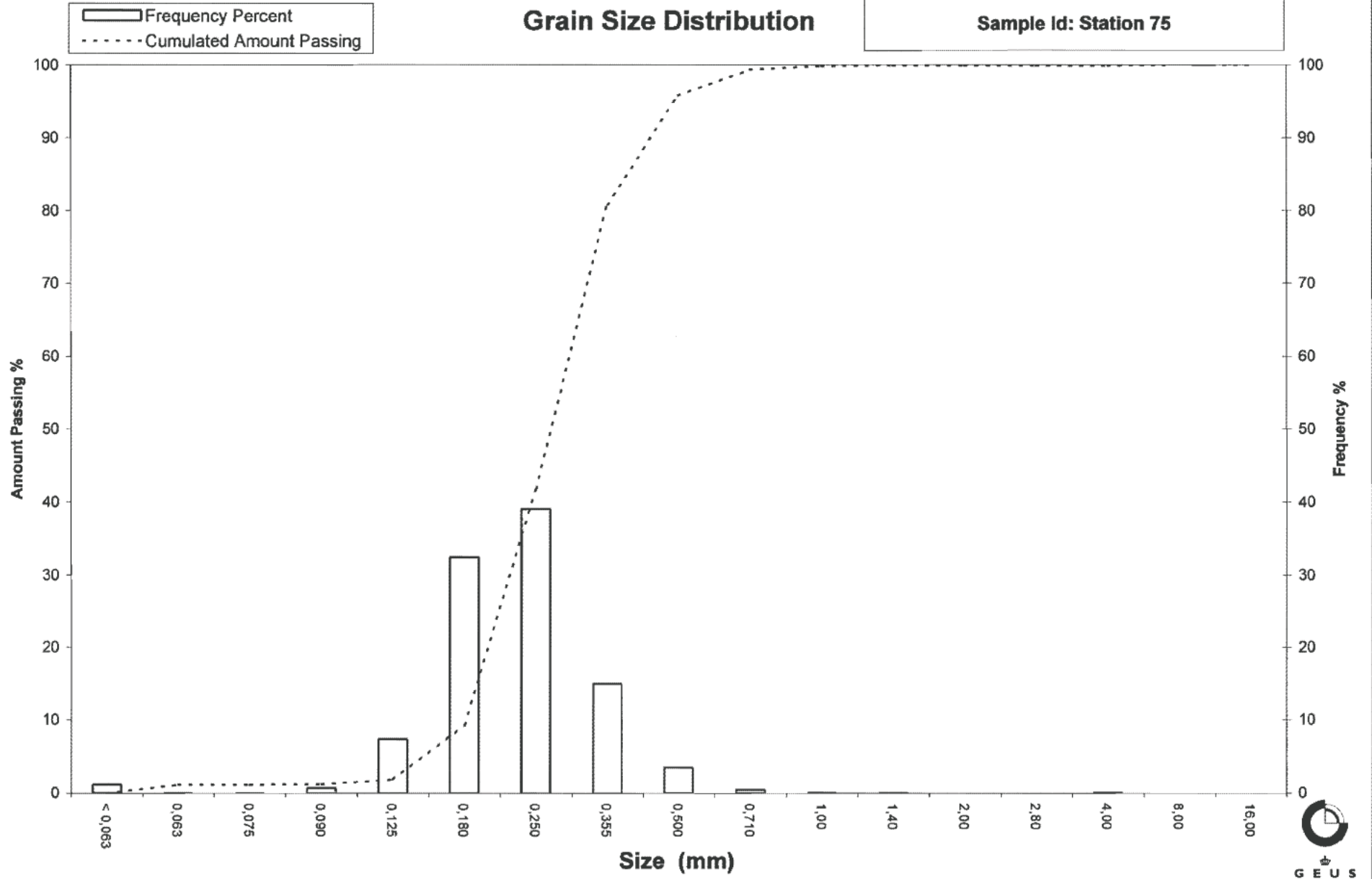
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 75



Grain Size Distribution

Geotechnical

Sample Id: Station 81
Lab. Id: 060628
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,4 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,05	0,05	99,95
2,00	-1,00	0,00	0,00	99,95
1,40	-0,49	0,01	0,01	99,94
1,00	0,00	0,09	0,08	99,86
0,710	0,49	0,26	0,24	99,62
0,500	1,00	0,90	0,83	98,79
0,355	1,49	4,34	4,00	94,79
0,250	2,00	18,73	17,28	77,51
0,180	2,47	35,22	32,49	45,02
0,125	3,00	42,83	39,51	5,51
0,090	3,47	5,23	4,82	0,68
0,075	3,74	0,17	0,16	0,53
0,063	3,99	0,03	0,03	0,50
< 0,063	> 3,99	0,54	0,50	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,50
Sand, fine (0,063 mm - 0,200 mm):	53,80
Sand, medium (0,2 mm - 0,6 mm):	44,89
Sand, coarse (0,6 mm - 2 mm):	0,77
Gravel (> 2 mm):	0,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,36	1,46
16%	84%	0,29	1,79
25%	75%	0,24	2,03
40%	60%	0,21	2,24
Median 50%	50%	0,19	2,39
75%	25%	0,15	2,72
84%	16%	0,14	2,84
90%	10%	0,13	2,93
95%	5%	0,12	3,04

Moments Statistics

Mean	2,34
Sorting	0,50
Skewness	-0,16
Kurtosis	0,95
Uniformity Coefficient	1,62

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

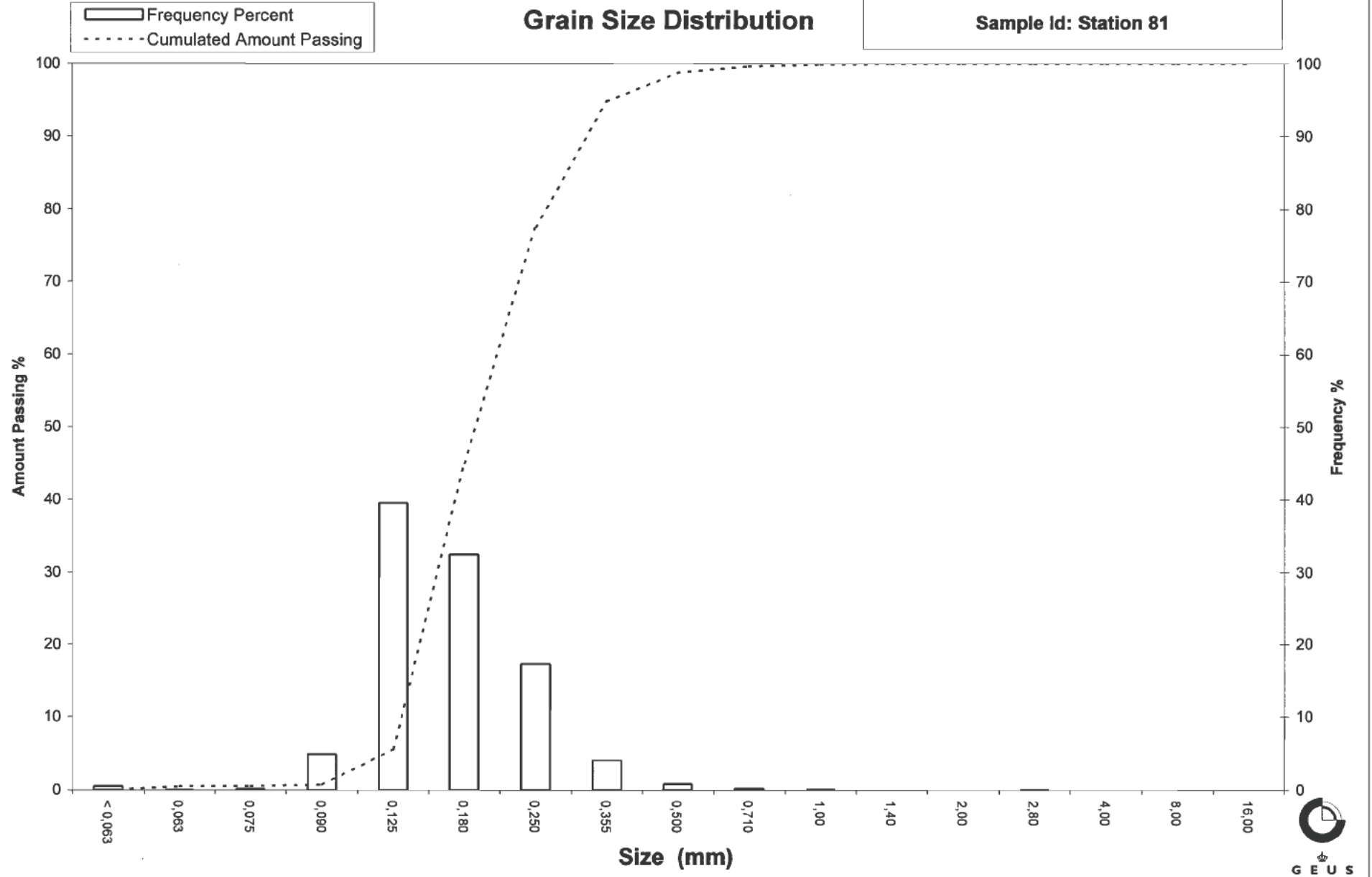
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 81



Grain Size Distribution

Geotechnical

Sample Id: Station 82
Lab. Id: 060629
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 101,81 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,03	0,03	99,97
2,00	-1,00	0,00	0,00	99,97
1,40	-0,49	0,04	0,04	99,93
1,00	0,00	0,06	0,06	99,87
0,710	0,49	0,20	0,20	99,68
0,500	1,00	0,73	0,72	98,96
0,355	1,49	3,69	3,62	95,33
0,250	2,00	15,59	15,31	80,02
0,180	2,47	31,16	30,61	49,42
0,125	3,00	43,58	42,81	6,61
0,090	3,47	5,52	5,42	1,19
0,075	3,74	0,22	0,22	0,97
0,063	3,99	0,02	0,02	0,95
< 0,063	> 3,99	0,97	0,95	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,95
Sand, fine (0,063 mm - 0,200 mm):	57,21
Sand, medium (0,2 mm - 0,6 mm):	41,14
Sand, coarse (0,6 mm - 2 mm):	0,67
Gravel (> 2 mm):	0,03
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,50
16%	84%	0,28	1,85
25%	75%	0,24	2,07
40%	60%	0,20	2,29
Median 50%	50%	0,18	2,46
75%	25%	0,15	2,75
84%	16%	0,14	2,87
90%	10%	0,13	2,95
95%	5%	0,11	3,13

Moments Statistics

Mean	2,39
Sorting	0,50
Skewness	-0,19
Kurtosis	0,97
Uniformity Coefficient	1,58

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

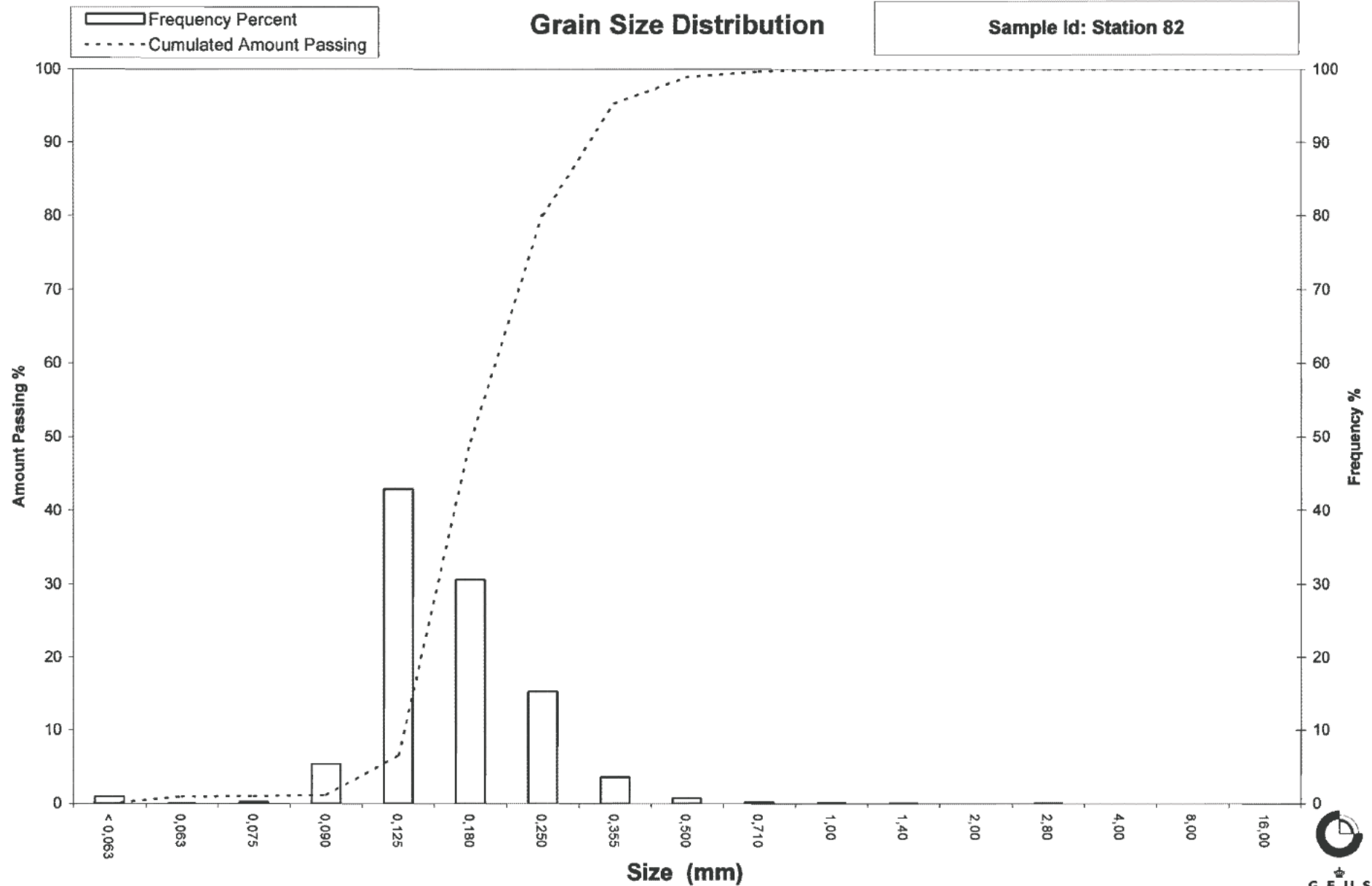
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 82



Grain Size Distribution

Geotechnical

Sample Id: Station 83
Lab. Id: 060630
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,37 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,07	0,07	99,93
2,80	-1,49	0,00	0,00	99,93
2,00	-1,00	0,02	0,02	99,91
1,40	-0,49	0,01	0,01	99,90
1,00	0,00	0,07	0,07	99,84
0,710	0,49	0,35	0,34	99,50
0,500	1,00	1,37	1,31	98,19
0,355	1,49	5,51	5,28	92,91
0,250	2,00	19,04	18,24	74,67
0,180	2,47	31,31	30,00	44,67
0,125	3,00	40,24	38,56	6,11
0,090	3,47	5,07	4,86	1,26
0,075	3,74	0,20	0,19	1,06
0,063	3,99	0,04	0,04	1,03
< 0,063	> 3,99	1,07	1,03	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,03
Sand, fine (0,063 mm - 0,200 mm):	52,21
Sand, medium (0,2 mm - 0,6 mm):	45,58
Sand, coarse (0,6 mm - 2 mm):	1,10
Gravel (> 2 mm):	0,09
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,41	1,28
16%	84%	0,30	1,72
25%	75%	0,25	1,99
40%	60%	0,22	2,21
Median 50%	50%	0,19	2,38
75%	25%	0,15	2,72
84%	16%	0,14	2,85
90%	10%	0,13	2,94
95%	5%	0,12	3,10

Moments Statistics

Mean	2,31
Sorting	0,56
Skewness	-0,19
Kurtosis	1,02
Uniformity Coefficient	1,65

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

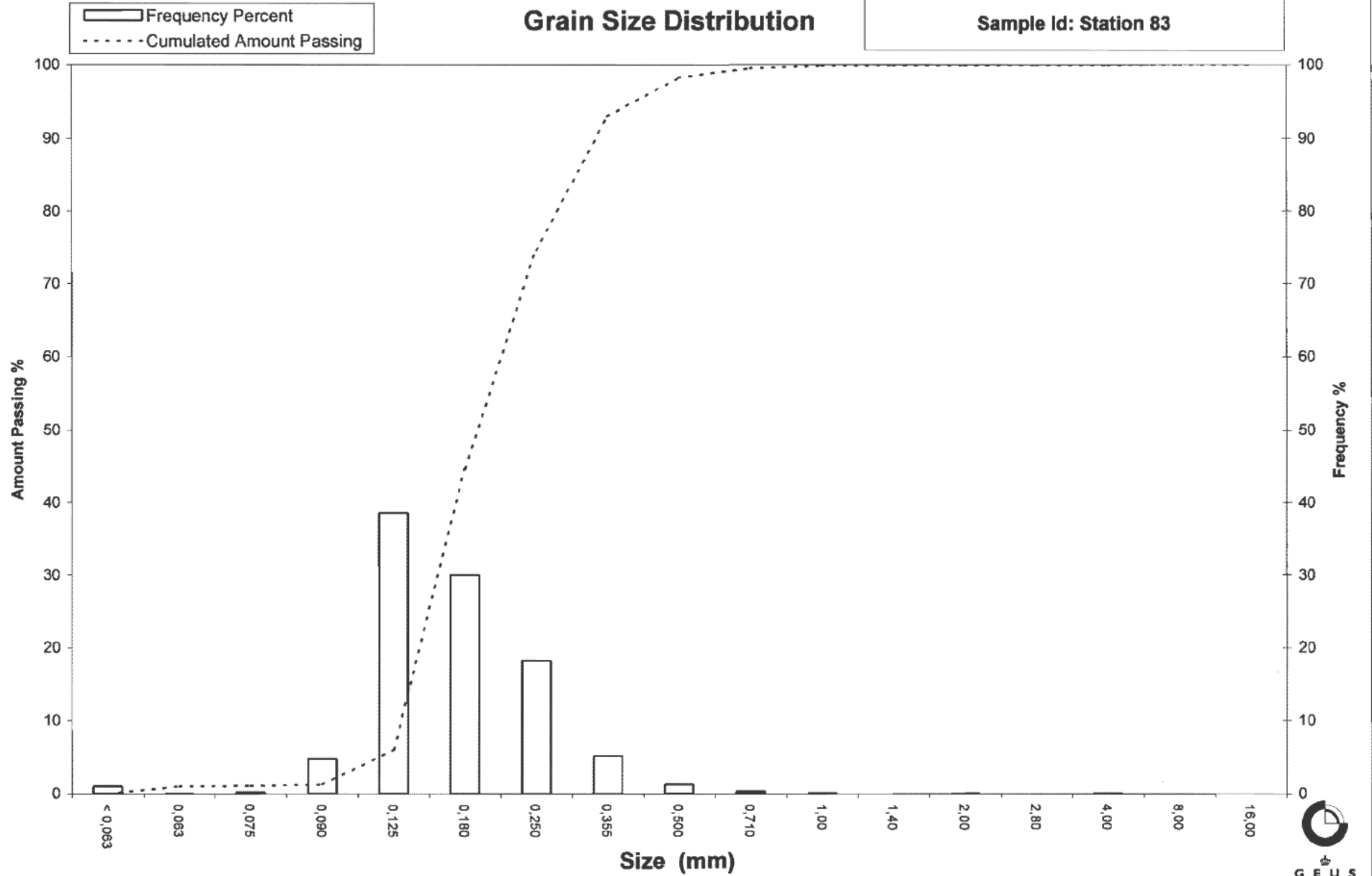
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 83



Grain Size Distribution

Geotechnical

Sample Id: Station 84
Lab. Id: 060631
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,18 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,04	0,04	99,96
1,40	-0,49	0,00	0,00	99,96
1,00	0,00	0,13	0,12	99,84
0,710	0,49	0,16	0,15	99,69
0,500	1,00	0,74	0,70	98,99
0,355	1,49	3,48	3,28	95,71
0,250	2,00	15,03	14,16	81,56
0,180	2,47	32,64	30,74	50,82
0,125	3,00	46,83	44,10	6,72
0,090	3,47	5,89	5,55	1,17
0,075	3,74	0,23	0,22	0,95
0,063	3,99	0,02	0,02	0,93
< 0,063	> 3,99	0,99	0,93	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,93
Sand, fine (0,063 mm - 0,200 mm):	58,67
Sand, medium (0,2 mm - 0,6 mm):	39,72
Sand, coarse (0,6 mm - 2 mm):	0,64
Gravel (> 2 mm):	0,04
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,52
16%	84%	0,27	1,90
25%	75%	0,24	2,09
40%	60%	0,20	2,32
Median 50%	50%	0,18	2,48
75%	25%	0,15	2,76
84%	16%	0,14	2,87
90%	10%	0,13	2,95
95%	5%	0,11	3,13

Moments Statistics

Mean	2,42
Sorting	0,49
Skewness	-0,20
Kurtosis	0,99
Uniformity Coefficient	1,56

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

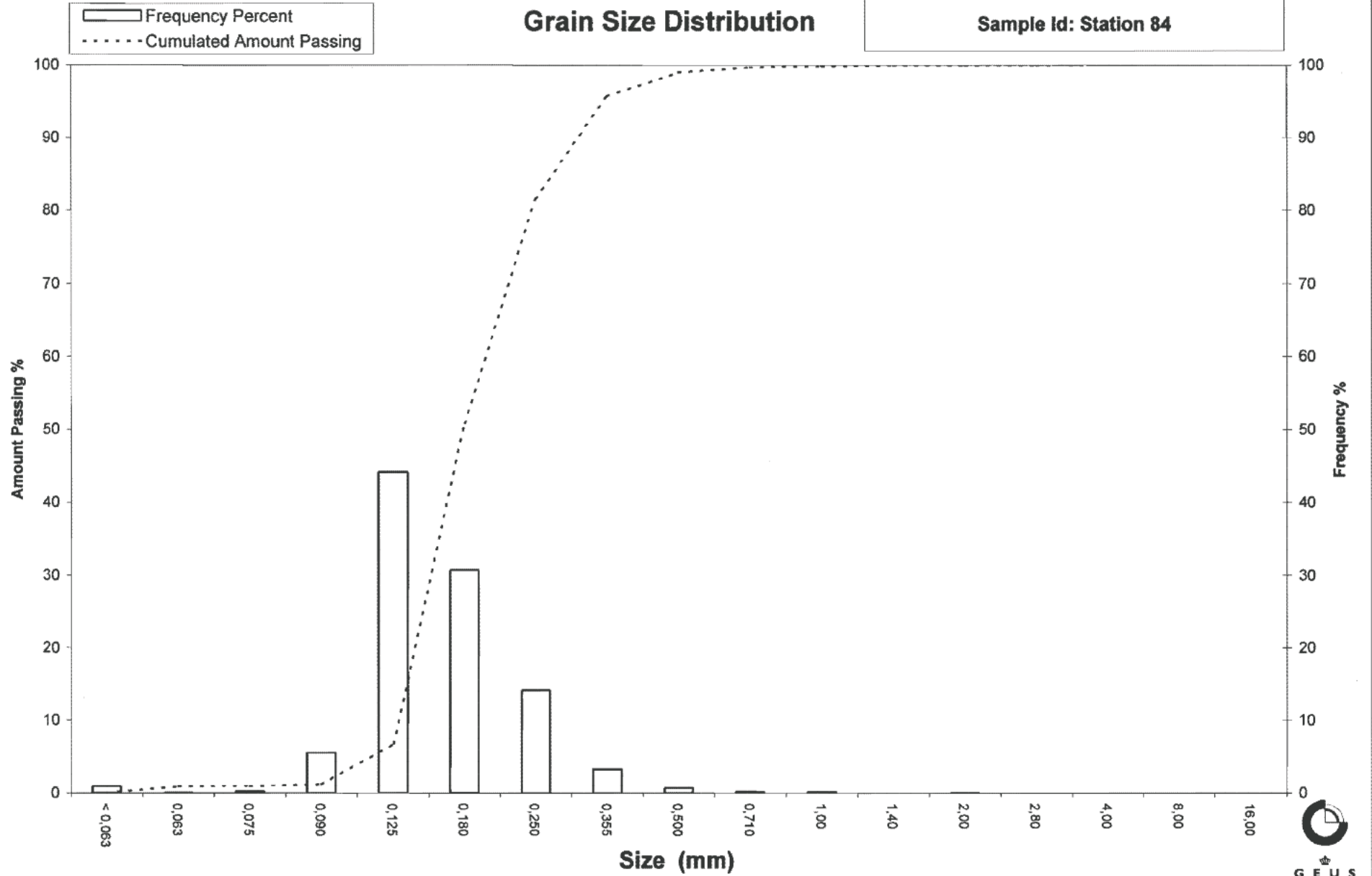
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 84



Grain Size Distribution

Geotechnical

Sample Id: Station 85
Lab. Id: 060632
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,85 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,02	99,98
2,00	-1,00	0,02	0,02	99,96
1,40	-0,49	0,04	0,04	99,92
1,00	0,00	0,06	0,06	99,87
0,710	0,49	0,21	0,20	99,67
0,500	1,00	0,97	0,93	98,74
0,355	1,49	4,12	3,93	94,81
0,250	2,00	19,27	18,38	76,43
0,180	2,47	32,21	30,72	45,71
0,125	3,00	41,57	39,65	6,07
0,090	3,47	4,97	4,74	1,33
0,075	3,74	0,18	0,17	1,15
0,063	3,99	0,02	0,02	1,13
< 0,063	> 3,99	1,19	1,13	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,13
Sand, fine (0,063 mm - 0,200 mm):	53,36
Sand, medium (0,2 mm - 0,6 mm):	44,69
Sand, coarse (0,6 mm - 2 mm):	0,78
Gravel (> 2 mm):	0,04
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,36	1,47
16%	84%	0,29	1,77
25%	75%	0,25	2,02
40%	60%	0,21	2,23
Median 50%	50%	0,19	2,40
75%	25%	0,15	2,72
84%	16%	0,14	2,85
90%	10%	0,13	2,94
95%	5%	0,12	3,09

Moments Statistics

Mean	2,34
Sorting	0,52
Skewness	-0,15
Kurtosis	0,95
Uniformity Coefficient	1,63

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

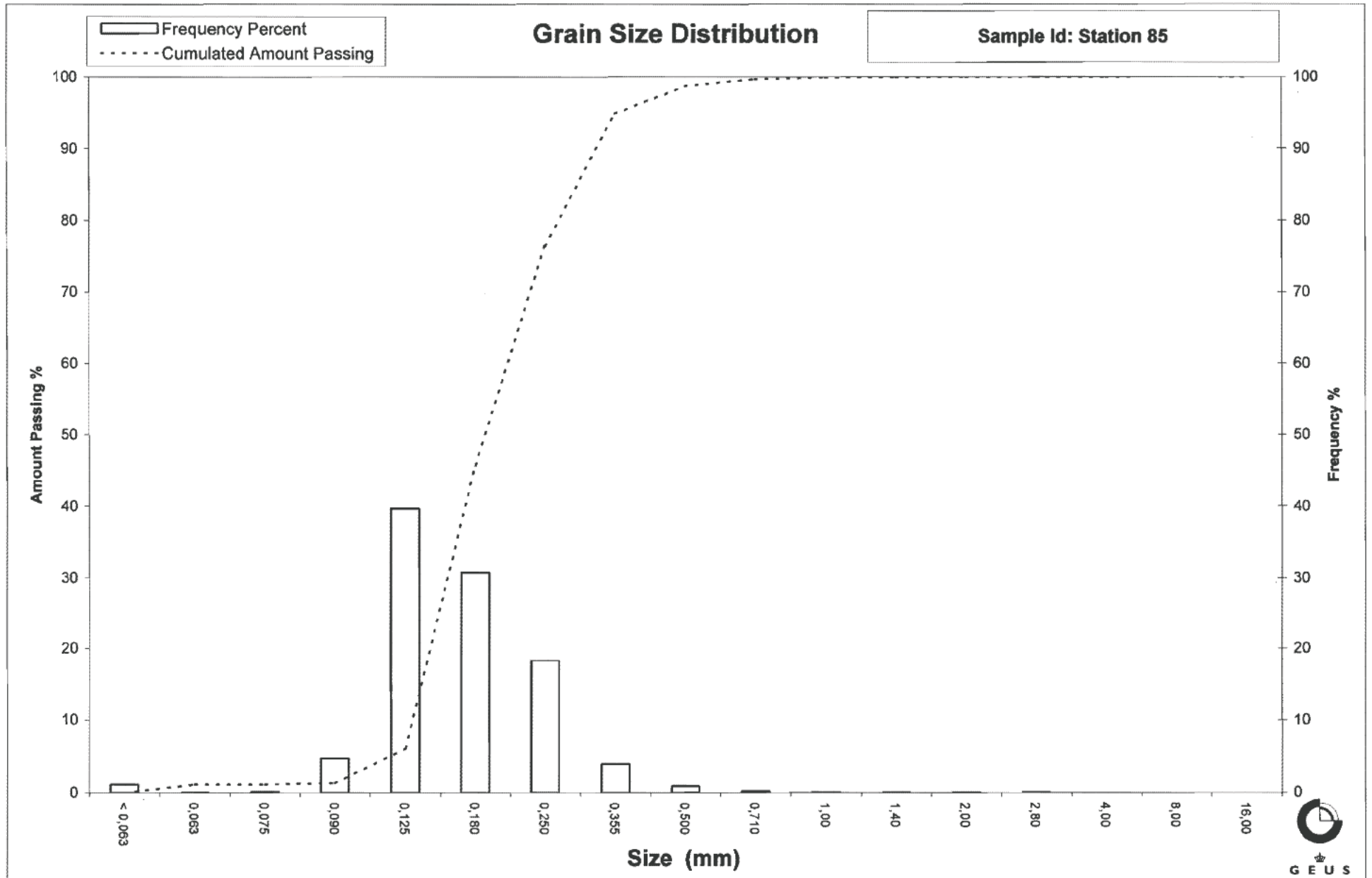
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 91
Lab. Id: 060633
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 102,26 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,50	0,49	99,51
2,00	-1,00	0,20	0,20	99,32
1,40	-0,49	0,23	0,22	99,09
1,00	0,00	0,38	0,37	98,72
0,710	0,49	0,83	0,81	97,91
0,500	1,00	1,42	1,39	96,52
0,355	1,49	2,51	2,45	94,06
0,250	2,00	6,68	6,53	87,53
0,180	2,47	32,13	31,42	56,11
0,125	3,00	48,16	47,10	9,02
0,090	3,47	7,46	7,30	1,72
0,075	3,74	0,61	0,60	1,12
0,063	3,99	0,09	0,09	1,04
< 0,063	> 3,99	1,06	1,04	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,04
Sand, fine (0,063 mm - 0,200 mm):	64,05
Sand, medium (0,2 mm - 0,6 mm):	32,09
Sand, coarse (0,6 mm - 2 mm):	2,14
Gravel (> 2 mm):	0,68
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,41	1,29
16%	84%	0,24	2,05
25%	75%	0,22	2,17
40%	60%	0,19	2,41
Median 50%	50%	0,17	2,53
75%	25%	0,14	2,80
84%	16%	0,13	2,91
90%	10%	0,13	2,99
95%	5%	0,11	3,24

Moments Statistics

Mean	2,50
Sorting	0,51
Skewness	-0,20
Kurtosis	1,28
Uniformity Coefficient	1,50

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

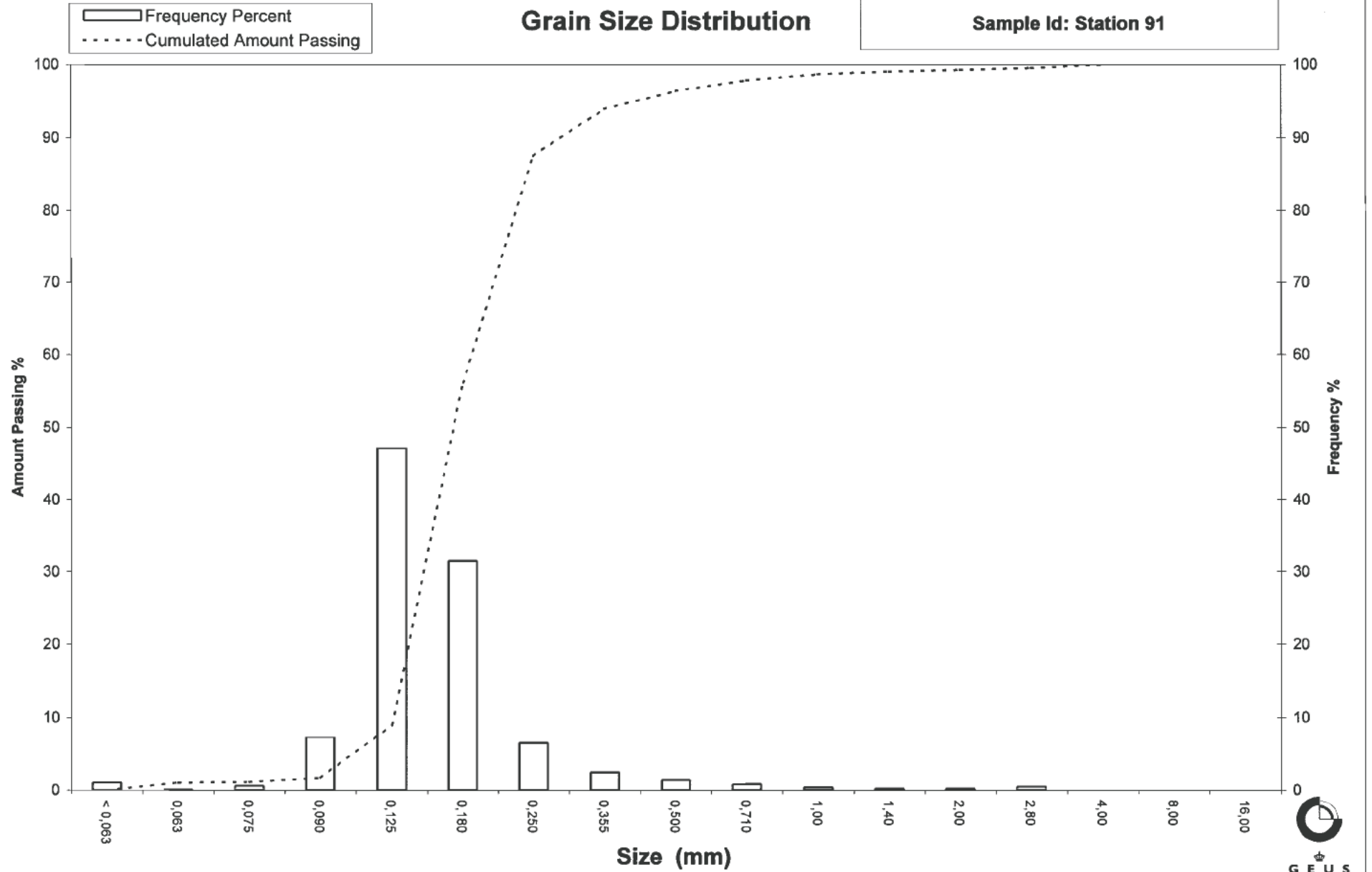
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 91



Grain Size Distribution

Geotechnical

Sample Id: Station 92
Lab. Id: 060634
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,43 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,07	0,07	99,93
2,00	-1,00	0,21	0,20	99,74
1,40	-0,49	0,13	0,12	99,61
1,00	0,00	0,57	0,54	99,08
0,710	0,49	1,21	1,14	97,94
0,500	1,00	2,36	2,22	95,72
0,355	1,49	3,88	3,65	92,08
0,250	2,00	7,90	7,42	84,66
0,180	2,47	32,23	30,28	54,37
0,125	3,00	47,28	44,42	9,95
0,090	3,47	8,66	8,14	1,81
0,075	3,74	0,73	0,69	1,13
0,063	3,99	0,10	0,09	1,03
< 0,063	> 3,99	1,10	1,03	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,03
Sand, fine (0,063 mm - 0,200 mm):	61,99
Sand, medium (0,2 mm - 0,6 mm):	33,75
Sand, coarse (0,6 mm - 2 mm):	2,96
Gravel (> 2 mm):	0,26
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,47	1,09
16%	84%	0,25	2,01
25%	75%	0,23	2,13
40%	60%	0,19	2,37
Median 50%	50%	0,17	2,52
75%	25%	0,14	2,80
84%	16%	0,13	2,92
90%	10%	0,13	3,00
95%	5%	0,10	3,27

Moments Statistics

Mean	2,48
Sorting	0,56
Skewness	-0,22
Kurtosis	1,35
Uniformity Coefficient	1,54

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

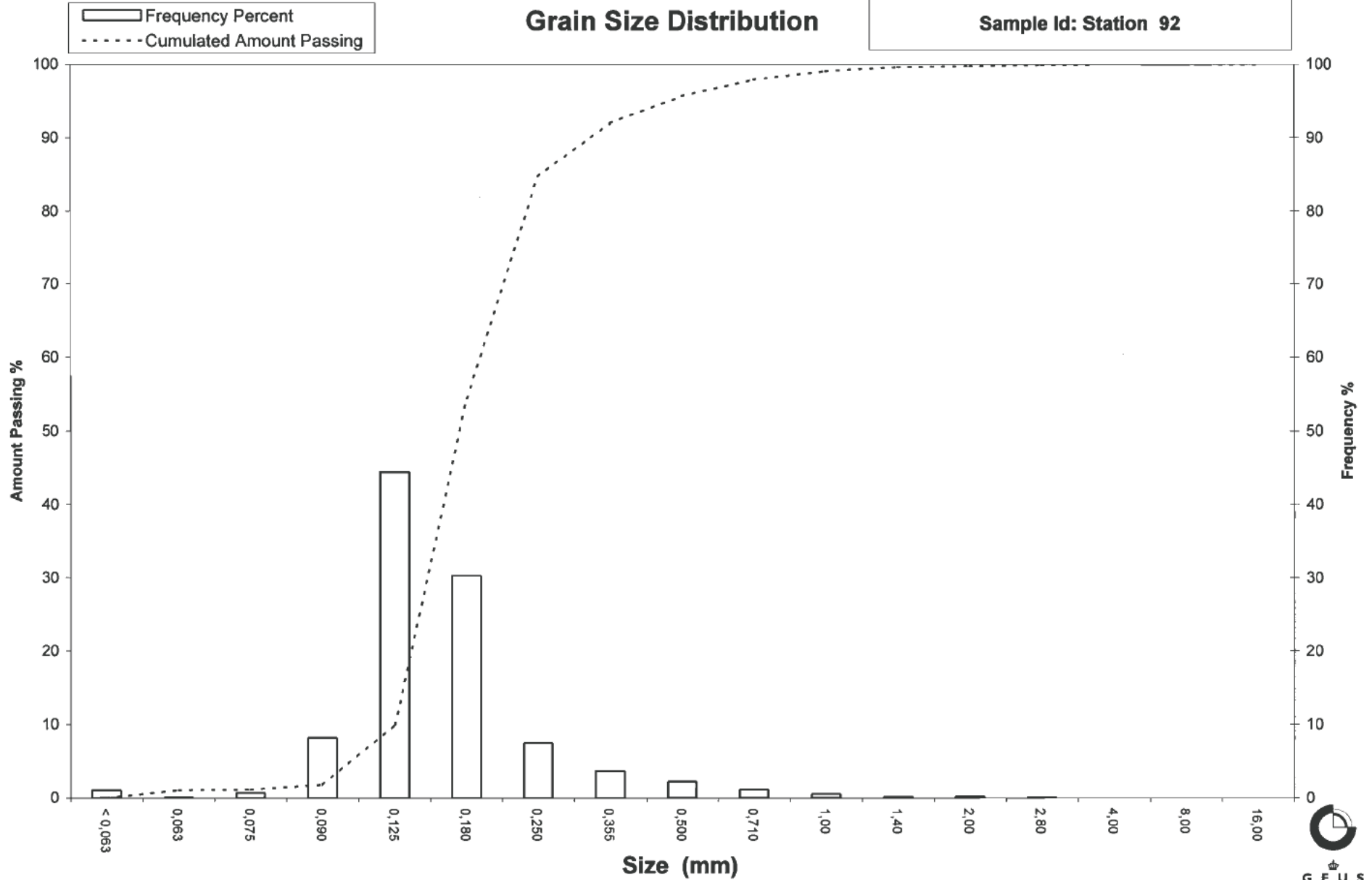
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 92



Grain Size Distribution

Geotechnical

Sample Id: Station 93
Lab. Id: 060635
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,71 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,60	0,56	99,44
2,80	-1,49	0,10	0,09	99,34
2,00	-1,00	0,02	0,02	99,33
1,40	-0,49	0,15	0,14	99,18
1,00	0,00	0,31	0,29	98,89
0,710	0,49	0,83	0,78	98,12
0,500	1,00	1,70	1,59	96,52
0,355	1,49	3,06	2,87	93,66
0,250	2,00	7,06	6,62	87,04
0,180	2,47	28,99	27,17	59,87
0,125	3,00	52,91	49,58	10,29
0,090	3,47	9,04	8,47	1,82
0,075	3,74	0,68	0,64	1,18
0,063	3,99	0,11	0,10	1,08
< 0,063	> 3,99	1,15	1,08	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,08
Sand, fine (0,063 mm - 0,200 mm):	66,56
Sand, medium (0,2 mm - 0,6 mm):	29,65
Sand, coarse (0,6 mm - 2 mm):	2,04
Gravel (> 2 mm):	0,67
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,42	1,24
16%	84%	0,24	2,05
25%	75%	0,22	2,19
40%	60%	0,18	2,47
Median 50%	50%	0,17	2,56
75%	25%	0,14	2,82
84%	16%	0,13	2,93
90%	10%	0,12	3,01
95%	5%	0,10	3,28

Moments Statistics

Mean	2,51
Sorting	0,53
Skewness	-0,24
Kurtosis	1,32
Uniformity Coefficient	1,46

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

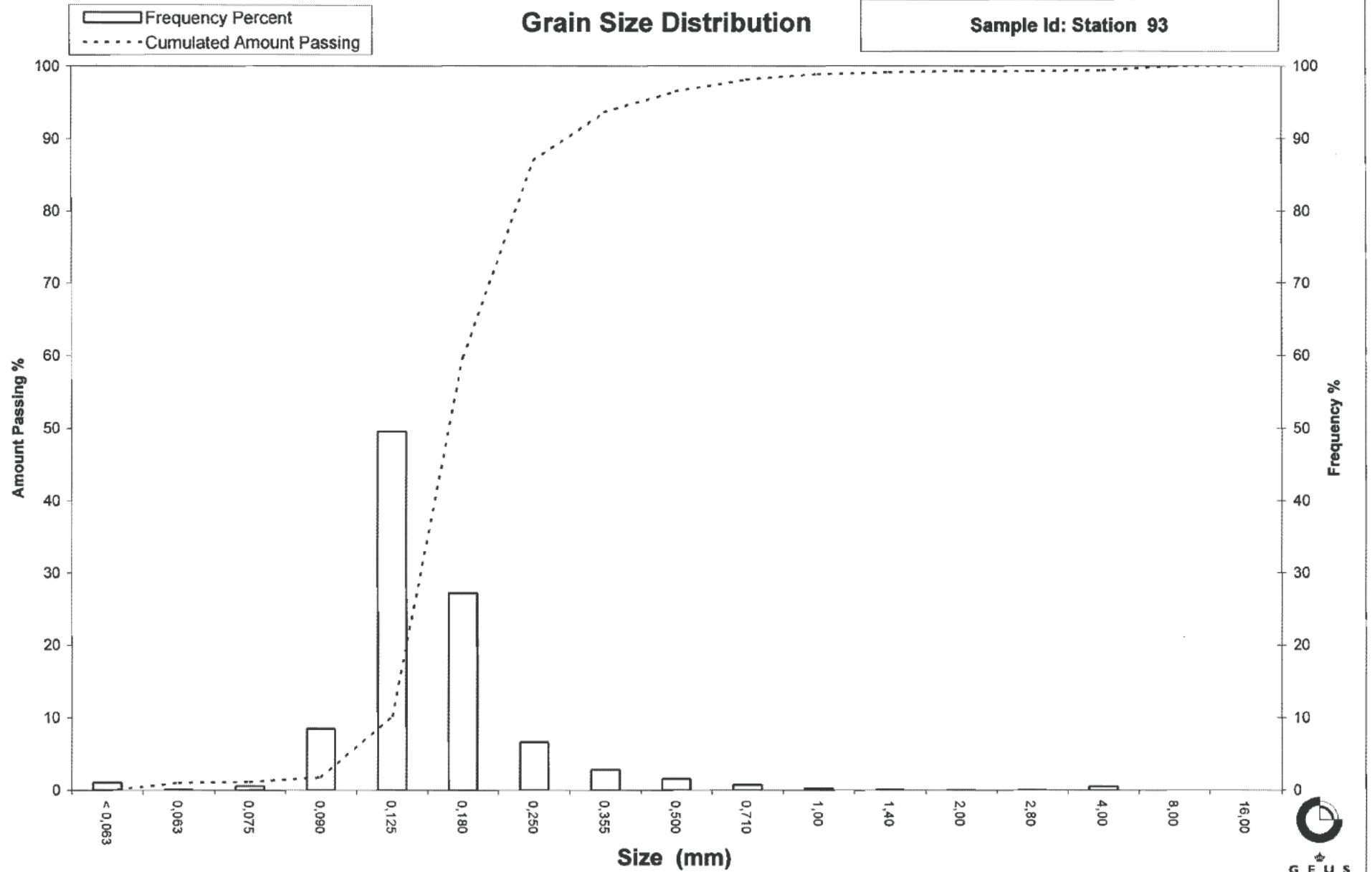
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 93



Grain Size Distribution

Geotechnical

Sample Id: Station 94
Lab. Id: 060636
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,15 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,38	0,36	99,64
2,80	-1,49	0,08	0,08	99,57
2,00	-1,00	0,11	0,10	99,46
1,40	-0,49	0,19	0,18	99,28
1,00	0,00	0,41	0,39	98,90
0,710	0,49	0,79	0,74	98,15
0,500	1,00	1,71	1,61	96,54
0,355	1,49	3,19	3,01	93,54
0,250	2,00	6,20	5,84	87,70
0,180	2,47	30,04	28,30	59,40
0,125	3,00	54,37	51,22	8,18
0,090	3,47	7,02	6,61	1,56
0,075	3,74	0,47	0,44	1,12
0,063	3,99	0,11	0,10	1,02
< 0,063	> 3,99	1,08	1,02	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,02
Sand, fine (0,063 mm - 0,200 mm):	66,47
Sand, medium (0,2 mm - 0,6 mm):	29,83
Sand, coarse (0,6 mm - 2 mm):	2,15
Gravel (> 2 mm):	0,54
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,43	1,23
16%	84%	0,24	2,05
25%	75%	0,22	2,19
40%	60%	0,18	2,46
Median 50%	50%	0,17	2,56
75%	25%	0,14	2,81
84%	16%	0,13	2,91
90%	10%	0,13	2,98
95%	5%	0,11	3,21

Moments Statistics

Mean	2,51
Sorting	0,51
Skewness	-0,26
Kurtosis	1,32
Uniformity Coefficient	1,43

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

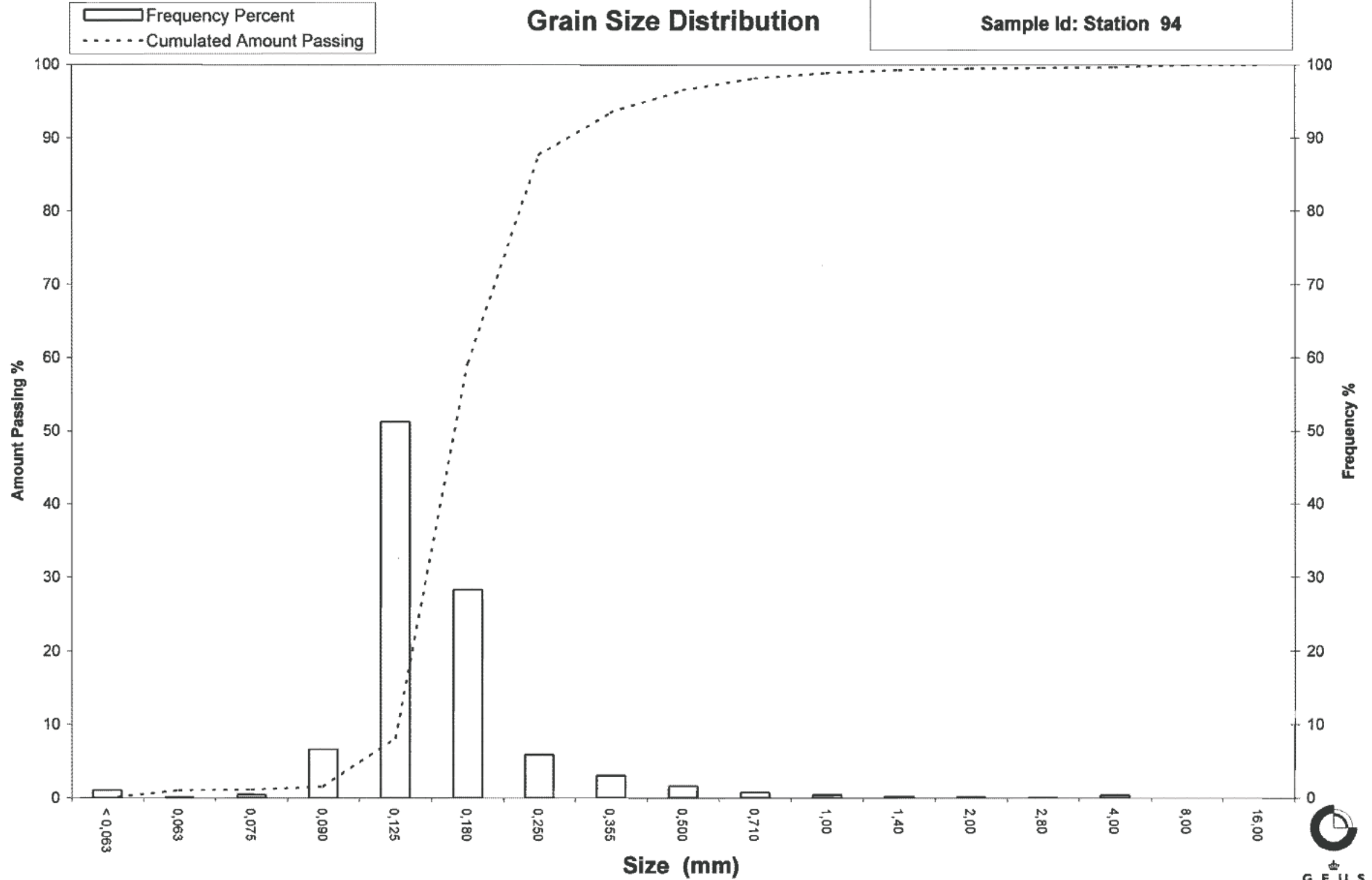
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 94



Grain Size Distribution

Geotechnical

Sample Id: Station 95
Lab. Id: 060637
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,53 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,28	0,27	99,73
2,80	-1,49	0,00	0,00	99,73
2,00	-1,00	0,16	0,15	99,58
1,40	-0,49	0,27	0,26	99,33
1,00	0,00	0,55	0,52	98,81
0,710	0,49	0,97	0,92	97,89
0,500	1,00	1,63	1,54	96,34
0,355	1,49	2,40	2,27	94,07
0,250	2,00	4,56	4,32	89,75
0,180	2,47	28,19	26,71	63,03
0,125	3,00	56,82	53,84	9,19
0,090	3,47	7,77	7,36	1,83
0,075	3,74	0,53	0,50	1,33
0,063	3,99	0,14	0,13	1,19
< 0,063	> 3,99	1,26	1,19	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,19
Sand, fine (0,063 mm - 0,200 mm):	69,47
Sand, medium (0,2 mm - 0,6 mm):	26,41
Sand, coarse (0,6 mm - 2 mm):	2,51
Gravel (> 2 mm):	0,42
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,41	1,27
16%	84%	0,23	2,09
25%	75%	0,21	2,24
40%	60%	0,18	2,50
Median 50%	50%	0,17	2,58
75%	25%	0,14	2,82
84%	16%	0,13	2,92
90%	10%	0,13	2,99
95%	5%	0,11	3,25

Moments Statistics

Mean	2,53
Sorting	0,51
Skewness	-0,26
Kurtosis	1,39
Uniformity Coefficient	1,41

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

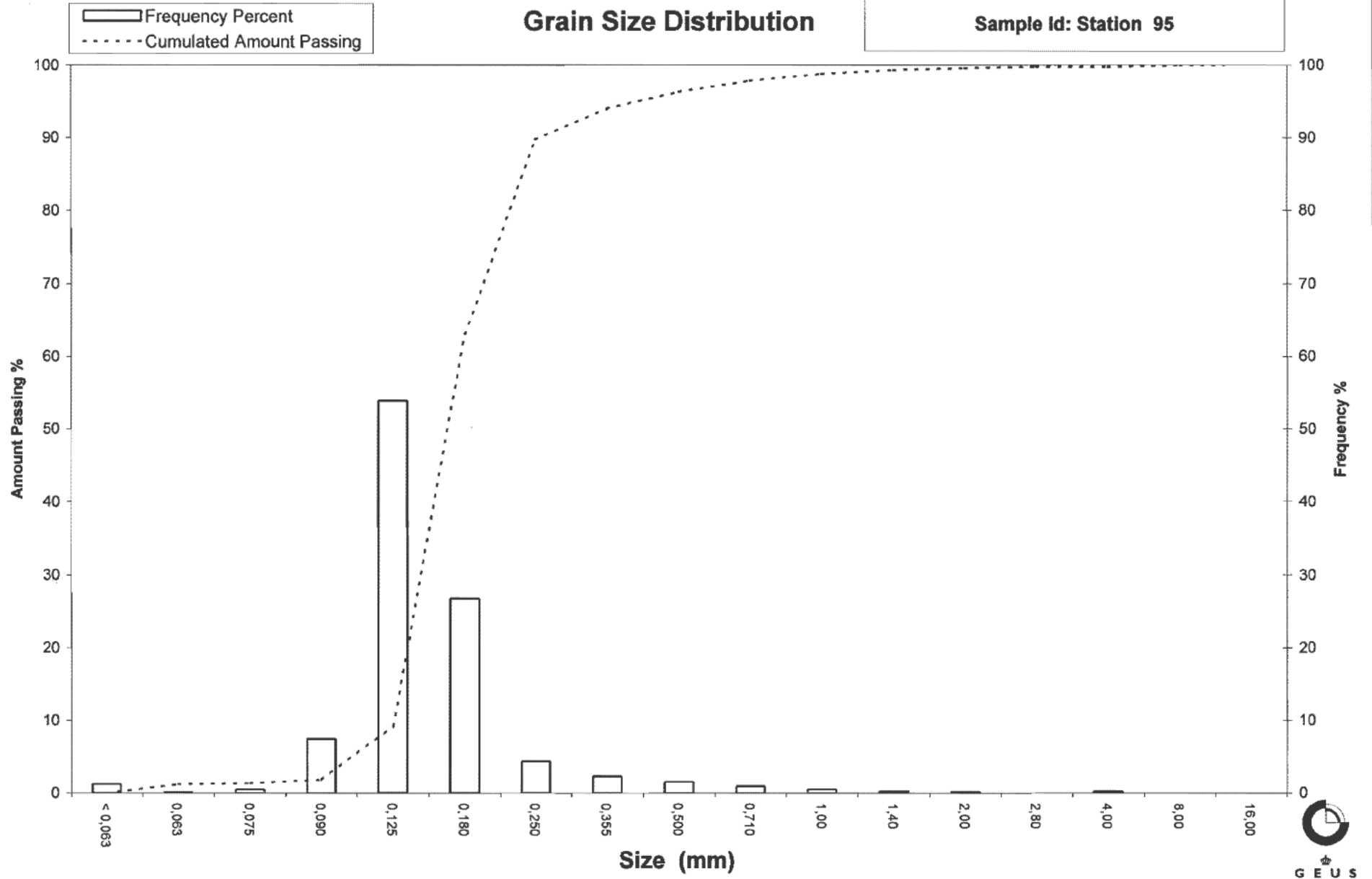
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 95



Grain Size Distribution

Geotechnical

Sample Id: Station 101
Lab. Id: 060638
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 514,78 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	3,14	0,61	99,39
4,00	-2,00	47,55	9,24	90,15
2,80	-1,49	107,43	20,87	69,28
2,00	-1,00	99,52	19,33	49,95
1,40	-0,49	58,39	11,34	38,61
1,00	0,00	22,88	4,44	34,16
0,710	0,49	17,30	3,36	30,80
0,500	1,00	26,65	5,18	25,63
0,355	1,49	53,74	10,44	15,19
0,250	2,00	49,69	9,65	5,54
0,180	2,47	19,22	3,73	1,80
0,125	3,00	4,58	0,89	0,91
0,090	3,47	0,68	0,13	0,78
0,075	3,74	0,16	0,03	0,75
0,063	3,99	0,28	0,05	0,69
< 0,063	> 3,99	3,58	0,69	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,69
Sand, fine (0,063 mm - 0,200 mm):	2,17
Sand, medium (0,2 mm - 0,6 mm):	25,22
Sand, coarse (0,6 mm - 2 mm):	21,86
Gravel (> 2 mm):	50,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	6,10	-2,61
16%	84%	3,65	-1,87
25%	75%	3,13	-1,65
40%	60%	2,42	-1,27
Median 50%	50%	2,00	-1,00
75%	25%	0,49	1,03
84%	16%	0,37	1,45
90%	10%	0,30	1,74
95%	5%	0,24	2,06

Moments Statistics

Mean	-0,47
Sorting	1,54
Skewness	0,39
Kurtosis	0,72
Uniformity Coefficient	8,09

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

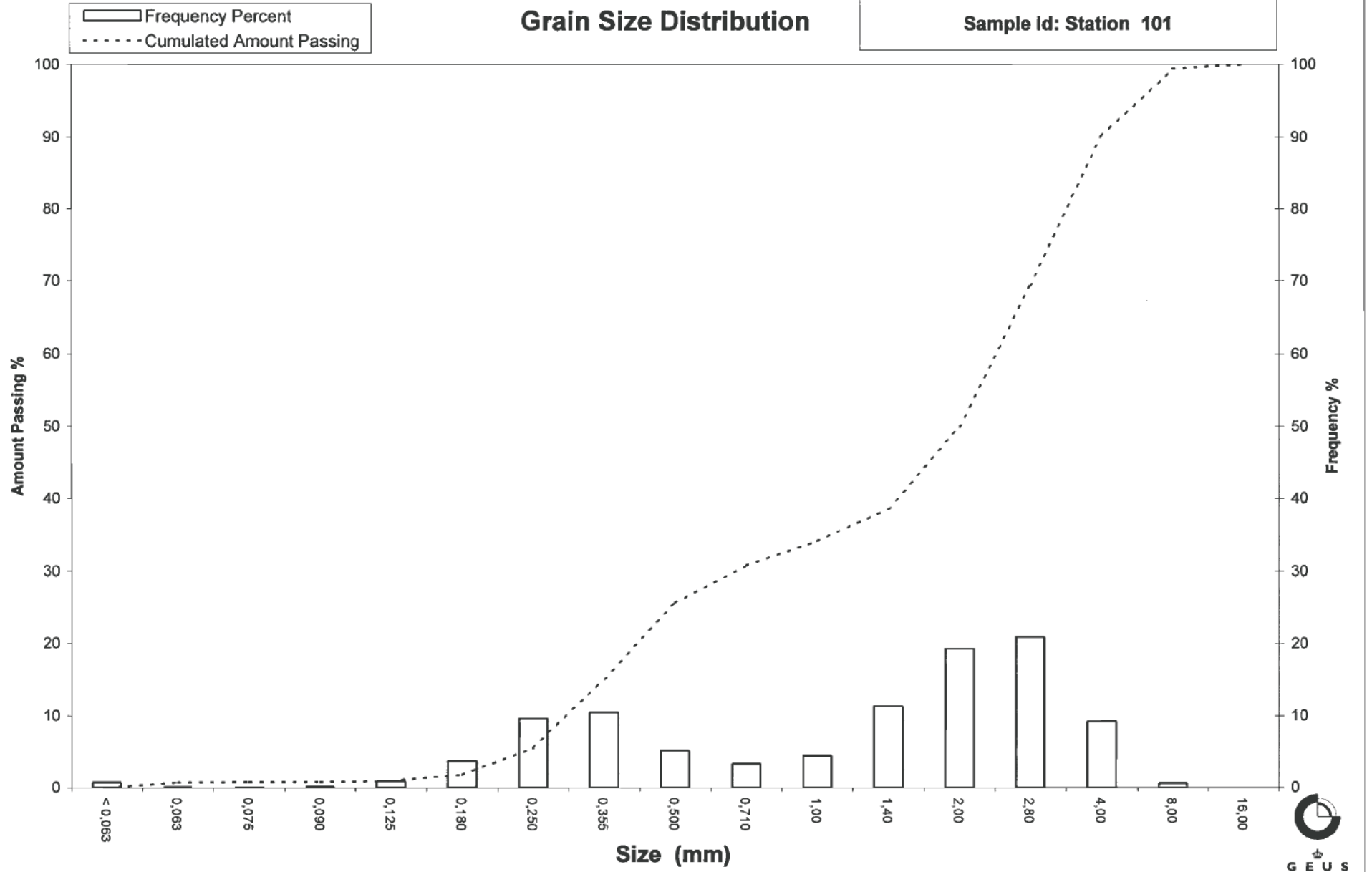
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 101



Grain Size Distribution

Geotechnical

Sample Id: Station 102
Lab. Id: 060639
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 107,84 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,29	0,27	99,73
2,00	-1,00	0,31	0,29	99,44
1,40	-0,49	0,23	0,21	99,23
1,00	0,00	0,29	0,27	98,96
0,710	0,49	0,54	0,50	98,46
0,500	1,00	2,33	2,16	96,30
0,355	1,49	16,73	15,51	80,79
0,250	2,00	45,14	41,86	38,93
0,180	2,47	32,02	29,69	9,24
0,125	3,00	8,31	7,71	1,53
0,090	3,47	0,60	0,56	0,97
0,075	3,74	0,05	0,05	0,93
0,063	3,99	0,05	0,05	0,88
< 0,063	> 3,99	0,95	0,88	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,88
Sand, fine (0,063 mm - 0,200 mm):	16,84
Sand, medium (0,2 mm - 0,6 mm):	79,61
Sand, coarse (0,6 mm - 2 mm):	2,11
Gravel (> 2 mm):	0,56
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,49	1,04
16%	84%	0,39	1,38
25%	75%	0,34	1,55
40%	60%	0,30	1,72
Median 50%	50%	0,28	1,85
75%	25%	0,22	2,20
84%	16%	0,20	2,35
90%	10%	0,18	2,46
95%	5%	0,15	2,74

Moments Statistics

Mean	1,86
Sorting	0,50
Skewness	0,04
Kurtosis	1,08
Uniformity Coefficient	1,67

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

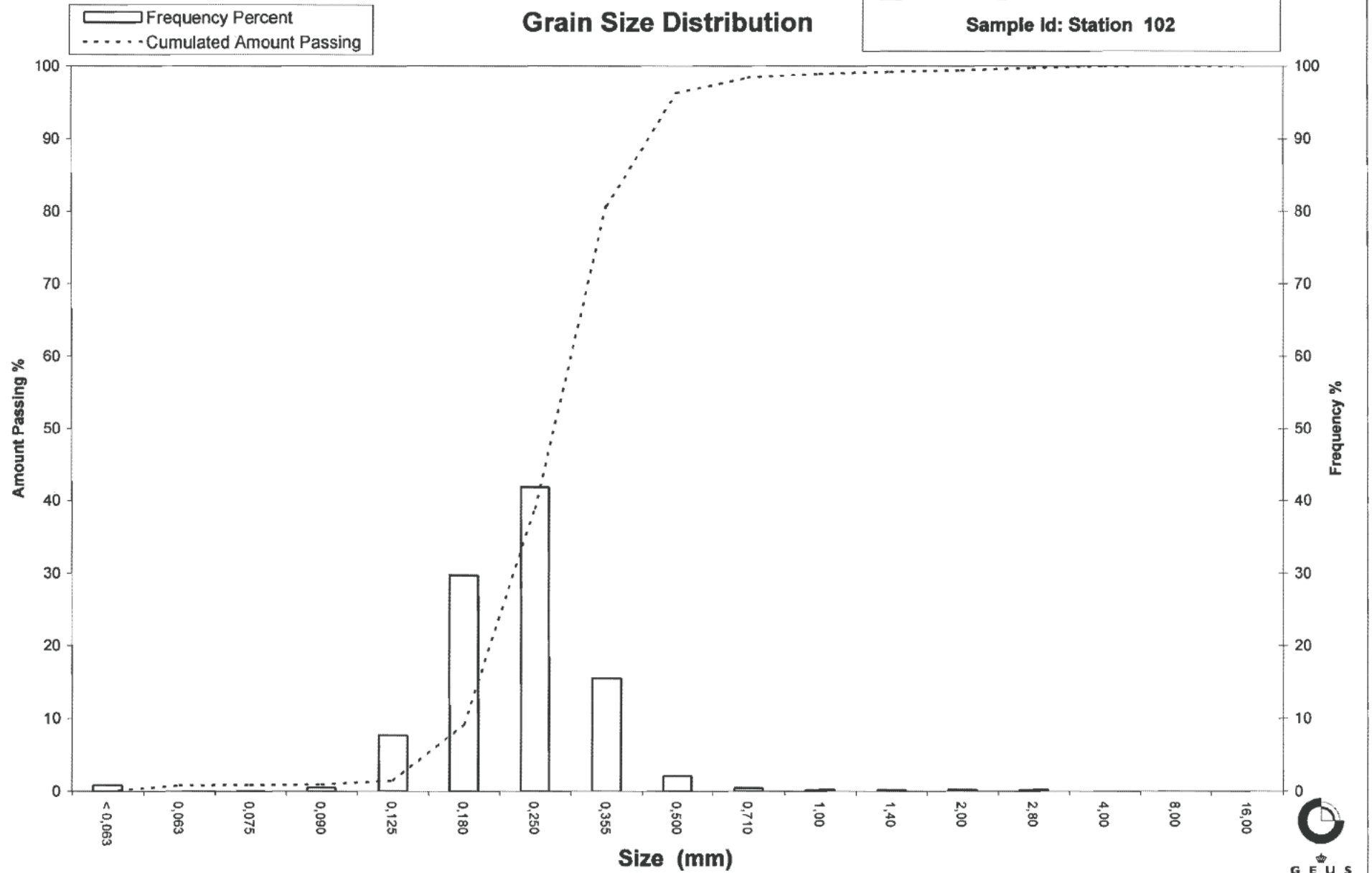
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 102



Grain Size Distribution

Geotechnical

Sample Id: Station 103
Lab. Id: 060640
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,9 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,06	0,06	99,94
2,00	-1,00	0,20	0,19	99,75
1,40	-0,49	0,37	0,36	99,39
1,00	0,00	0,70	0,67	98,72
0,710	0,49	1,55	1,49	97,23
0,500	1,00	4,96	4,77	92,45
0,355	1,49	18,08	17,40	75,05
0,250	2,00	43,53	41,90	33,16
0,180	2,47	26,17	25,19	7,97
0,125	3,00	7,04	6,78	1,19
0,090	3,47	0,51	0,49	0,70
0,075	3,74	0,05	0,05	0,65
0,063	3,99	0,01	0,01	0,64
< 0,063	> 3,99	0,67	0,64	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,64
Sand, fine (0,063 mm - 0,200 mm):	14,52
Sand, medium (0,2 mm - 0,6 mm):	79,56
Sand, coarse (0,6 mm - 2 mm):	5,02
Gravel (> 2 mm):	0,25
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,61	0,71
16%	84%	0,43	1,22
25%	75%	0,35	1,49
40%	60%	0,32	1,66
Median 50%	50%	0,29	1,77
75%	25%	0,23	2,14
84%	16%	0,20	2,31
90%	10%	0,19	2,43
95%	5%	0,16	2,68

Moments Statistics

Mean	1,77
Sorting	0,57
Skewness	-0,05
Kurtosis	1,26
Uniformity Coefficient	1,71

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

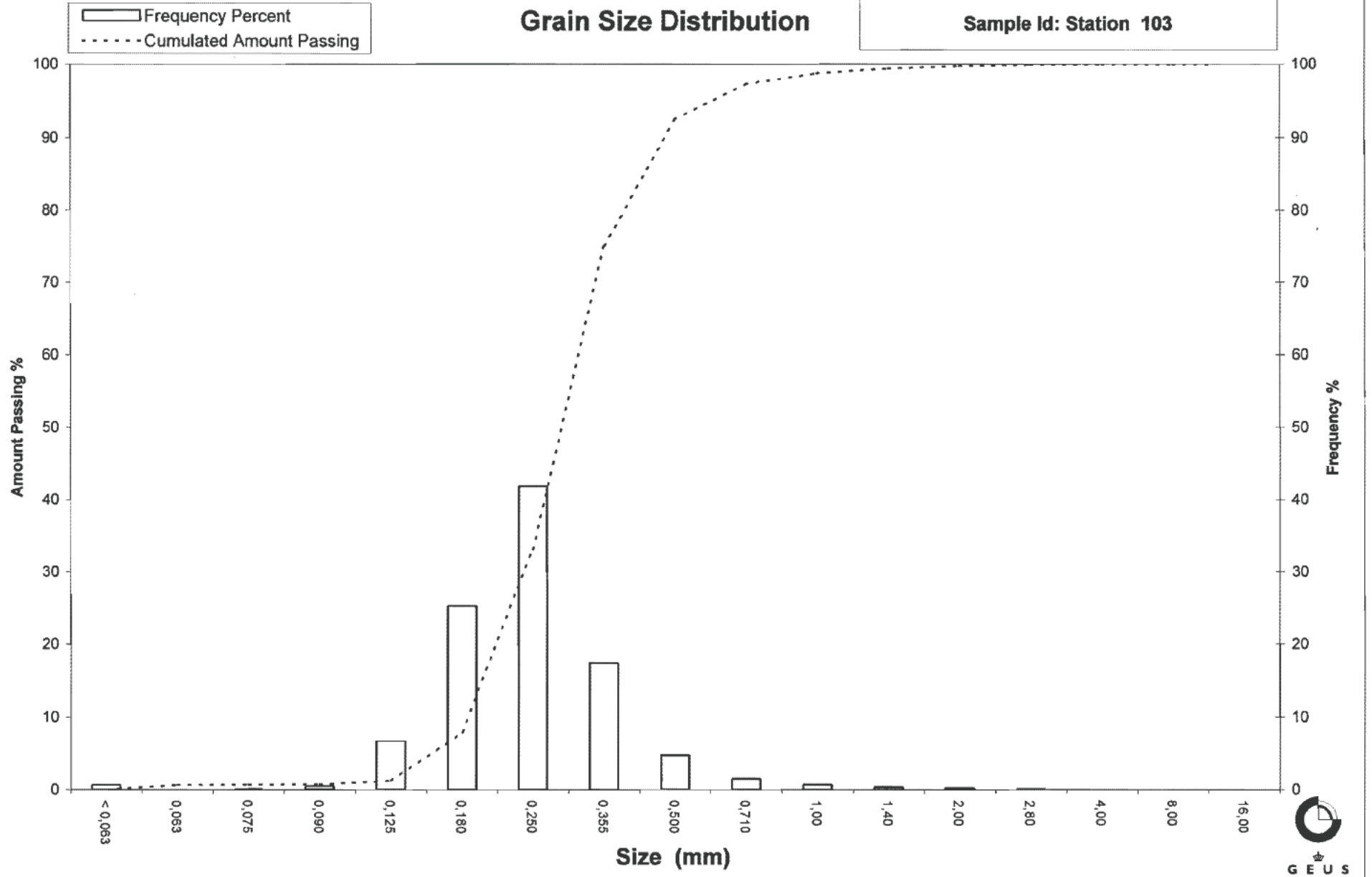
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 103



Grain Size Distribution

Geotechnical

Sample Id: Station 104
Lab. Id: 060641
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 101,02 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	1,83	1,81	98,19
4,00	-2,00	0,00	0,00	98,19
2,80	-1,49	0,09	0,09	98,10
2,00	-1,00	0,00	0,00	98,10
1,40	-0,49	0,24	0,24	97,86
1,00	0,00	0,40	0,40	97,47
0,710	0,49	1,09	1,08	96,39
0,500	1,00	3,95	3,91	92,48
0,355	1,49	16,57	16,40	76,07
0,250	2,00	42,91	42,48	33,60
0,180	2,47	26,18	25,92	7,68
0,125	3,00	6,61	6,54	1,14
0,090	3,47	0,47	0,47	0,67
0,075	3,74	0,05	0,05	0,62
0,063	3,99	0,02	0,02	0,60
< 0,063	> 3,99	0,61	0,60	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,60
Sand, fine (0,063 mm - 0,200 mm):	14,48
Sand, medium (0,2 mm - 0,6 mm):	79,25
Sand, coarse (0,6 mm - 2 mm):	3,76
Gravel (> 2 mm):	1,90
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,64	0,65
16%	84%	0,43	1,23
25%	75%	0,35	1,50
40%	60%	0,32	1,67
Median 50%	50%	0,29	1,78
75%	25%	0,23	2,14
84%	16%	0,20	2,30
90%	10%	0,19	2,42
95%	5%	0,16	2,67

Moments Statistics

Mean	1,77
Sorting	0,57
Skewness	-0,07
Kurtosis	1,30
Uniformity Coefficient	1,69

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

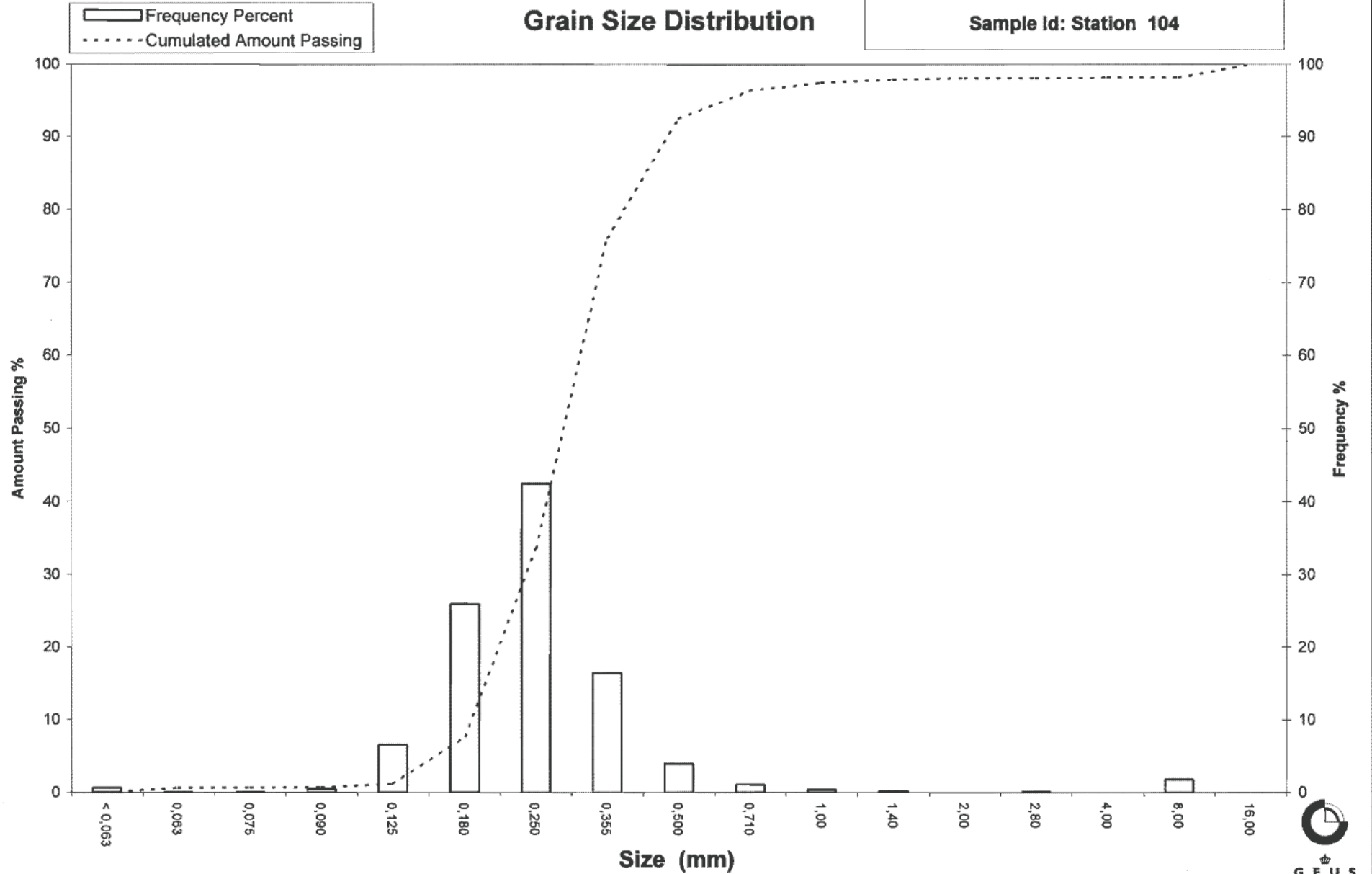
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 104



Grain Size Distribution

Geotechnical

Sample Id: Station 105
Lab. Id: 060642
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,29 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,15	0,14	99,86
1,40	-0,49	0,14	0,13	99,73
1,00	0,00	0,43	0,40	99,34
0,710	0,49	0,55	0,51	98,83
0,500	1,00	2,01	1,86	96,97
0,355	1,49	13,00	12,00	84,97
0,250	2,00	45,03	41,58	43,38
0,180	2,47	36,67	33,86	9,52
0,125	3,00	8,38	7,74	1,78
0,090	3,47	0,61	0,56	1,22
0,075	3,74	0,07	0,06	1,15
0,063	3,99	0,04	0,04	1,12
< 0,063	> 3,99	1,21	1,12	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,12
Sand, fine (0,063 mm - 0,200 mm):	18,08
Sand, medium (0,2 mm - 0,6 mm):	78,66
Sand, coarse (0,6 mm - 2 mm):	2,01
Gravel (> 2 mm):	0,14
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,48	1,07
16%	84%	0,35	1,50
25%	75%	0,33	1,60
40%	60%	0,29	1,78
Median 50%	50%	0,27	1,91
75%	25%	0,21	2,24
84%	16%	0,19	2,37
90%	10%	0,18	2,47
95%	5%	0,15	2,76

Moments Statistics

Mean	1,93
Sorting	0,47
Skewness	0,04
Kurtosis	1,08
Uniformity Coefficient	1,61

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

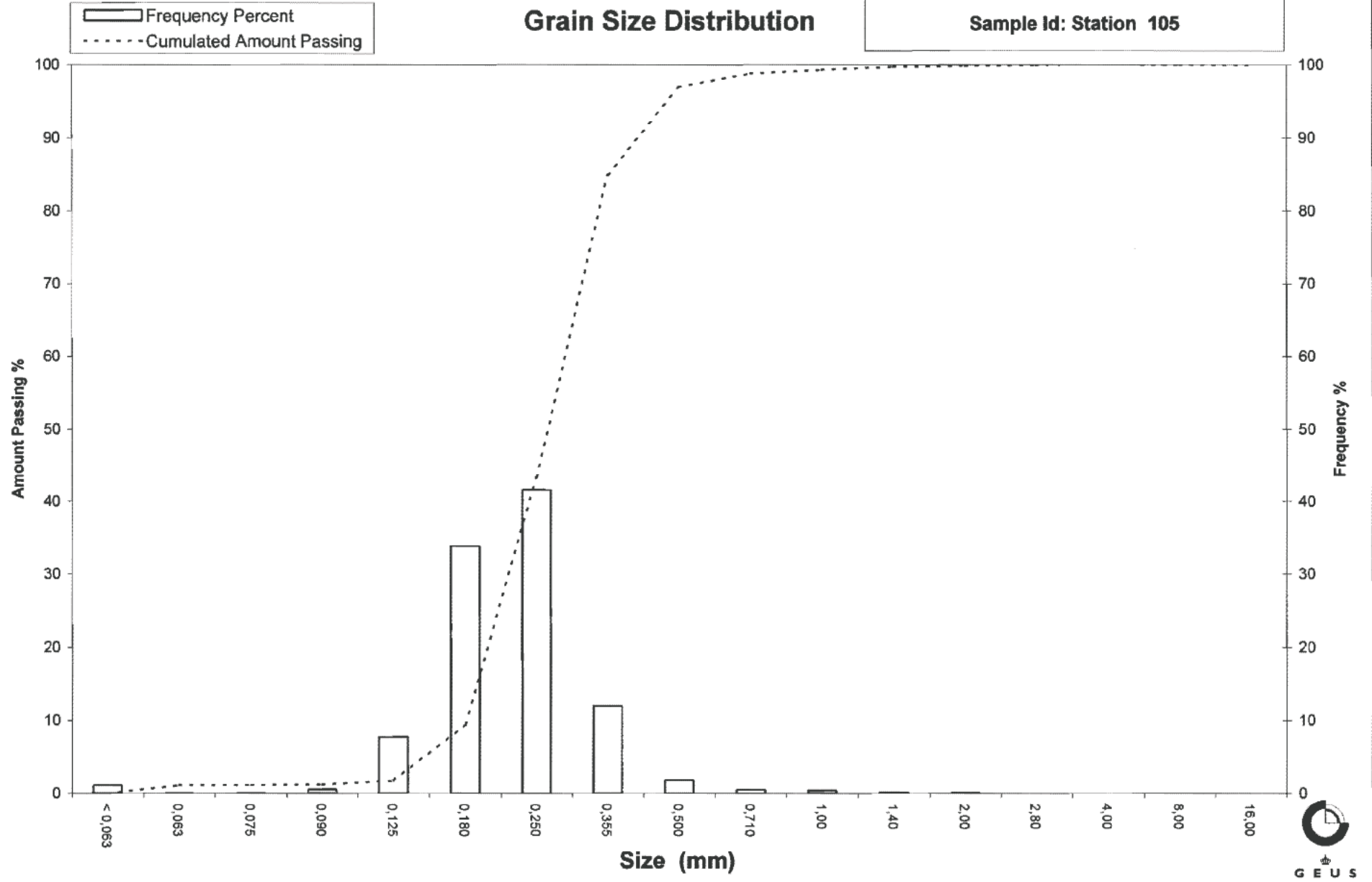
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 105



Grain Size Distribution

Geotechnical

Sample Id: Station 111
Lab. Id: 060643
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,31 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,17	0,16	99,84
2,80	-1,49	0,05	0,05	99,79
2,00	-1,00	0,09	0,09	99,70
1,40	-0,49	0,22	0,21	99,49
1,00	0,00	0,39	0,38	99,11
0,710	0,49	0,54	0,52	98,59
0,500	1,00	1,56	1,51	97,08
0,355	1,49	3,97	3,84	93,23
0,250	2,00	7,25	7,02	86,22
0,180	2,47	29,45	28,51	57,71
0,125	3,00	50,41	48,79	8,91
0,090	3,47	7,48	7,24	1,67
0,075	3,74	0,64	0,62	1,06
0,063	3,99	0,15	0,15	0,91
< 0,063	> 3,99	0,94	0,91	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,91
Sand, fine (0,063 mm - 0,200 mm):	64,94
Sand, medium (0,2 mm - 0,6 mm):	31,94
Sand, coarse (0,6 mm - 2 mm):	1,90
Gravel (> 2 mm):	0,30
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,42	1,25
16%	84%	0,24	2,03
25%	75%	0,22	2,17
40%	60%	0,19	2,43
Median 50%	50%	0,17	2,55
75%	25%	0,14	2,80
84%	16%	0,13	2,91
90%	10%	0,13	2,99
95%	5%	0,11	3,24

Moments Statistics

Mean	2,50
Sorting	0,52
Skewness	-0,24
Kurtosis	1,28
Uniformity Coefficient	1,47

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

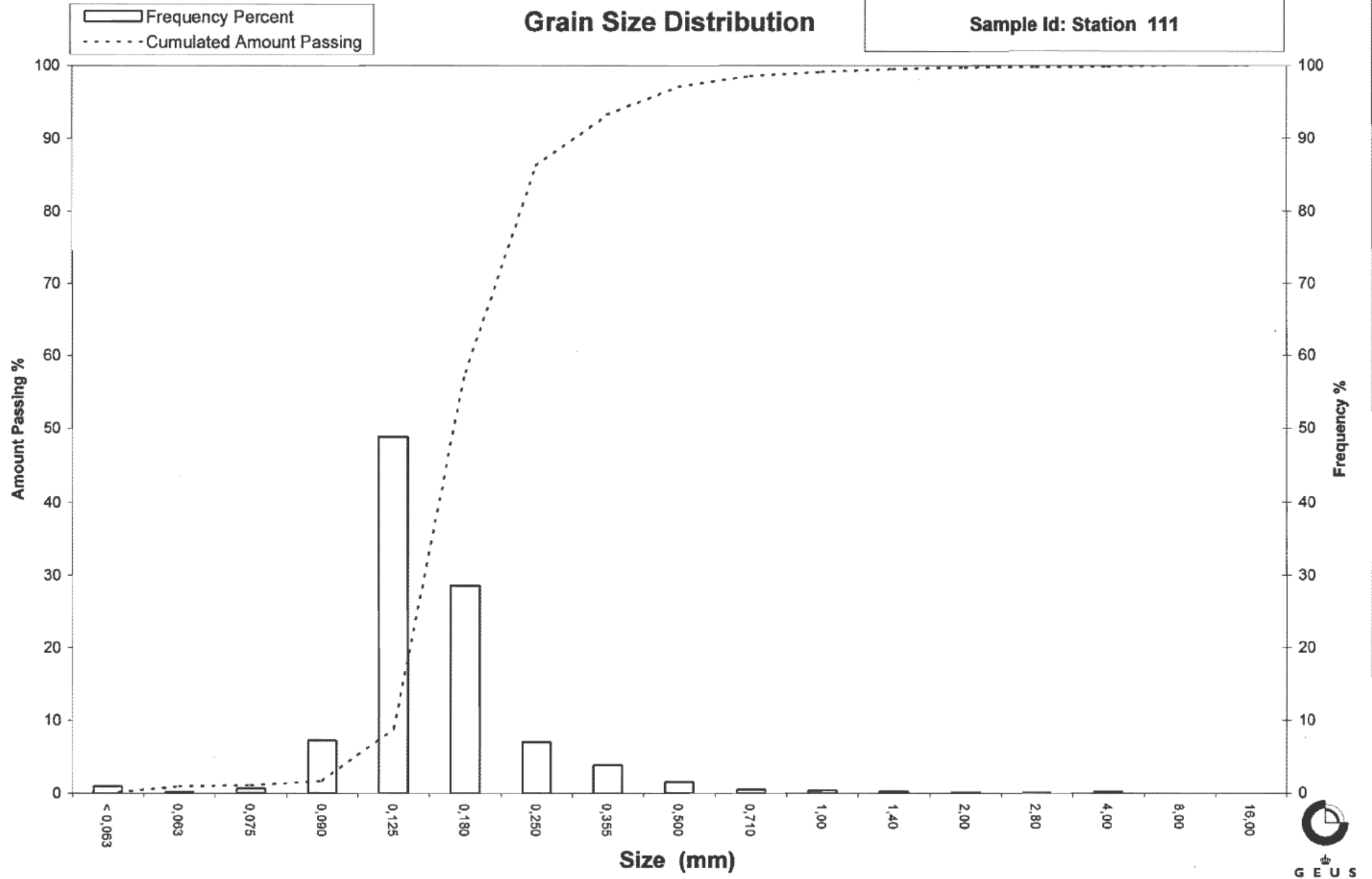
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 111



Grain Size Distribution

Geotechnical

Sample Id: Station 112
Lab. Id: 060644
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,93 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,17	0,16	99,84
1,40	-0,49	0,11	0,10	99,74
1,00	0,00	0,19	0,17	99,57
0,710	0,49	0,38	0,35	99,22
0,500	1,00	1,33	1,22	98,00
0,355	1,49	4,58	4,20	93,79
0,250	2,00	7,43	6,82	86,97
0,180	2,47	33,15	30,43	56,54
0,125	3,00	52,56	48,25	8,29
0,090	3,47	7,05	6,47	1,82
0,075	3,74	0,47	0,43	1,39
0,063	3,99	0,09	0,08	1,30
< 0,063	> 3,99	1,42	1,30	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,30
Sand, fine (0,063 mm - 0,200 mm):	63,93
Sand, medium (0,2 mm - 0,6 mm):	33,34
Sand, coarse (0,6 mm - 2 mm):	1,26
Gravel (> 2 mm):	0,16
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,40	1,33
16%	84%	0,24	2,04
25%	75%	0,22	2,17
40%	60%	0,19	2,41
Median 50%	50%	0,17	2,53
75%	25%	0,14	2,80
84%	16%	0,13	2,90
90%	10%	0,13	2,98
95%	5%	0,11	3,22

Moments Statistics

Mean	2,49
Sorting	0,50
Skewness	-0,21
Kurtosis	1,23
Uniformity Coefficient	1,48

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

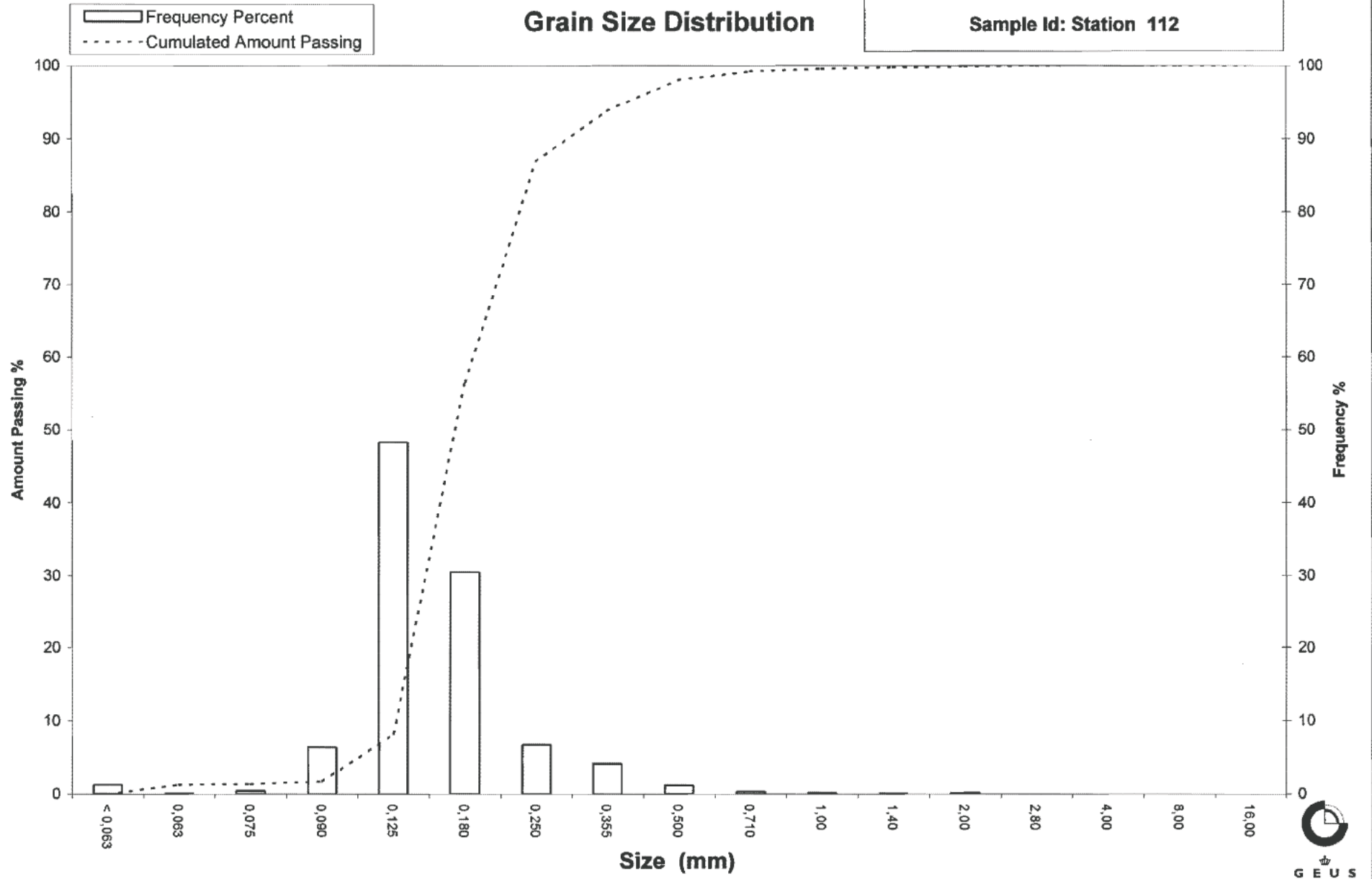
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 112



Grain Size Distribution

Geotechnical

Sample Id: Station 113
Lab. Id: 060645
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,27 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,09	0,09	99,91
2,00	-1,00	0,02	0,02	99,89
1,40	-0,49	0,06	0,06	99,84
1,00	0,00	0,11	0,11	99,73
0,710	0,49	0,29	0,28	99,45
0,500	1,00	1,38	1,32	98,13
0,355	1,49	4,95	4,75	93,38
0,250	2,00	7,60	7,29	86,09
0,180	2,47	30,32	29,08	57,02
0,125	3,00	51,20	49,10	7,91
0,090	3,47	6,89	6,61	1,30
0,075	3,74	0,45	0,43	0,87
0,063	3,99	0,14	0,13	0,74
< 0,063	> 3,99	0,77	0,74	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,74
Sand, fine (0,063 mm - 0,200 mm):	64,59
Sand, medium (0,2 mm - 0,6 mm):	33,44
Sand, coarse (0,6 mm - 2 mm):	1,13
Gravel (> 2 mm):	0,11
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,40	1,31
16%	84%	0,24	2,03
25%	75%	0,22	2,16
40%	60%	0,19	2,42
Median 50%	50%	0,17	2,54
75%	25%	0,14	2,79
84%	16%	0,13	2,90
90%	10%	0,13	2,97
95%	5%	0,11	3,19

Moments Statistics

Mean	2,49
Sorting	0,50
Skewness	-0,24
Kurtosis	1,22
Uniformity Coefficient	1,47

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

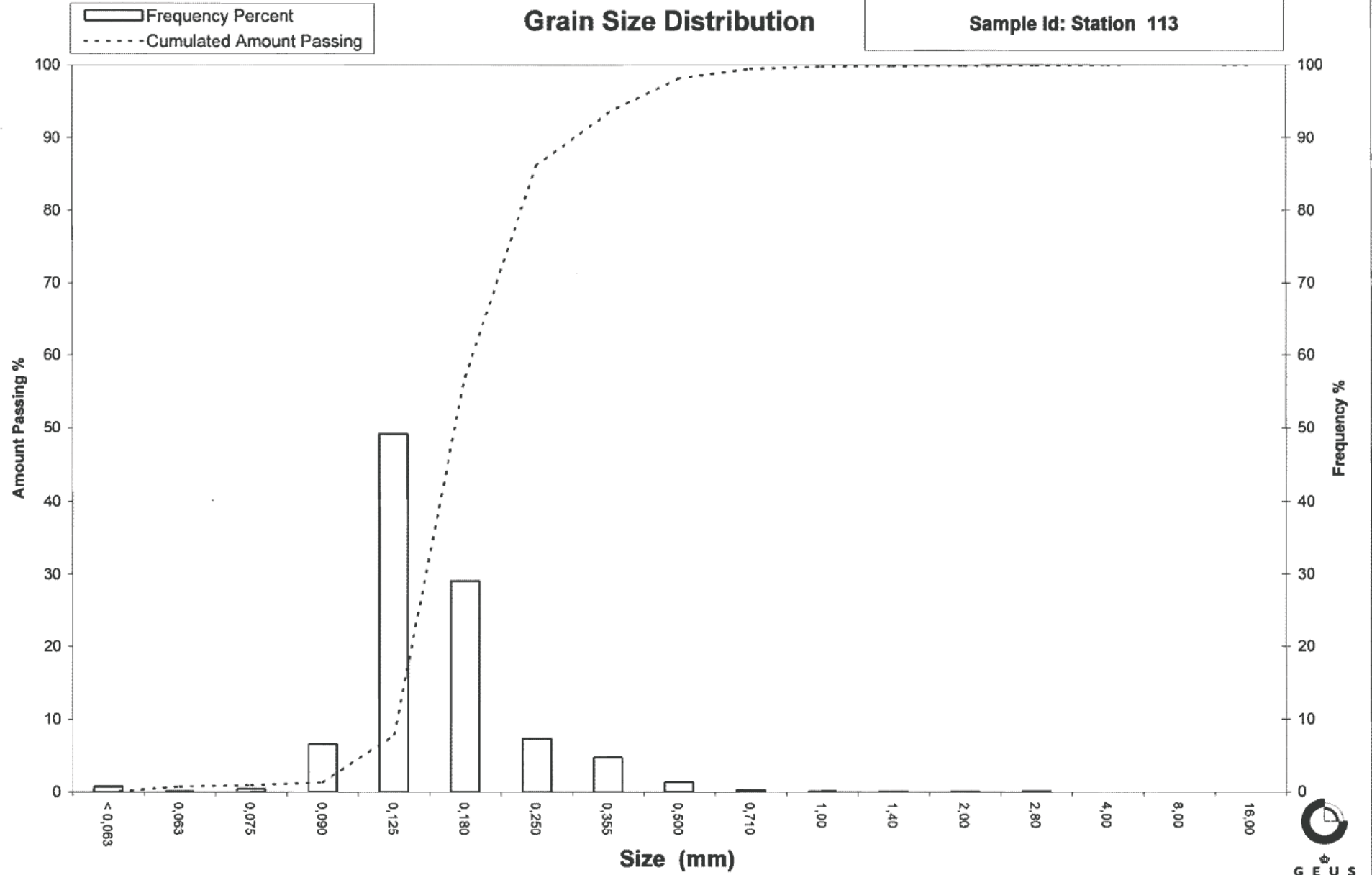
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 113



Grain Size Distribution

Geotechnical

Sample Id: Station 114
Lab. Id: 060646
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,63 g

Size Fractions

Size mm	Size Φ	Weight g	Weight %	Cumulated amount passing %
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,07	0,07	99,93
2,80	-1,49	0,05	0,05	99,89
2,00	-1,00	0,05	0,05	99,84
1,40	-0,49	0,08	0,08	99,76
1,00	0,00	0,24	0,23	99,53
0,710	0,49	0,29	0,28	99,25
0,500	1,00	1,08	1,03	98,22
0,355	1,49	4,06	3,88	94,34
0,250	2,00	7,00	6,69	87,65
0,180	2,47	31,12	29,74	57,91
0,125	3,00	52,25	49,94	7,97
0,090	3,47	6,68	6,38	1,59
0,075	3,74	0,42	0,40	1,19
0,063	3,99	0,12	0,11	1,07
< 0,063	> 3,99	1,12	1,07	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,07
Sand, fine (0,063 mm - 0,200 mm):	65,34
Sand, medium (0,2 mm - 0,6 mm):	32,31
Sand, coarse (0,6 mm - 2 mm):	1,12
Gravel (> 2 mm):	0,16
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,38	1,40
16%	84%	0,24	2,05
25%	75%	0,22	2,18
40%	60%	0,18	2,44
Median 50%	50%	0,17	2,55
75%	25%	0,14	2,80
84%	16%	0,13	2,90
90%	10%	0,13	2,97
95%	5%	0,11	3,20

Moments Statistics

Mean	2,50
Sorting	0,49
Skewness	-0,22
Kurtosis	1,20
Uniformity Coefficient	1,45

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

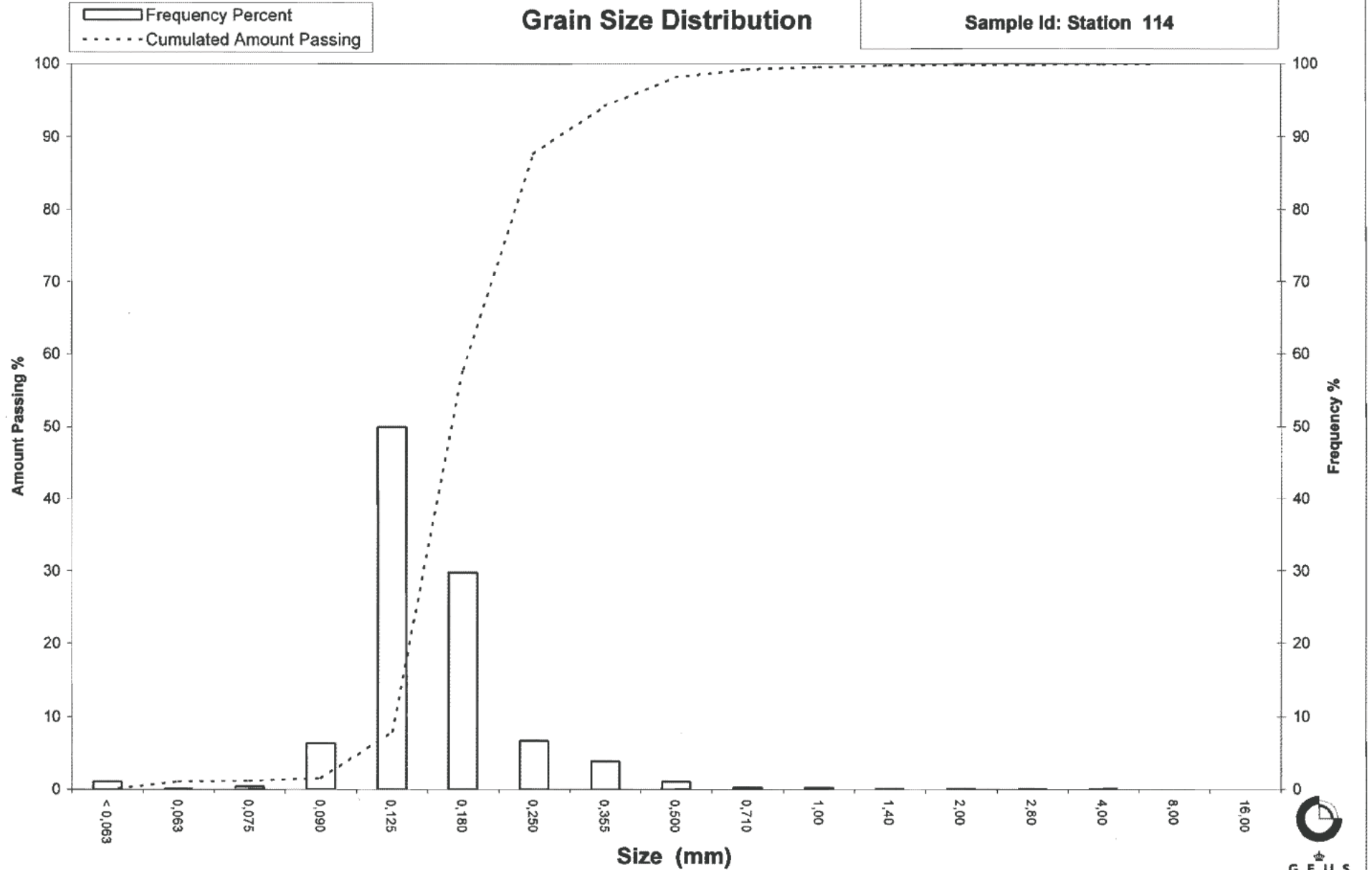
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 114



Grain Size Distribution

Geotechnical

Sample Id: Station 115
Lab. Id: 060647
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 102,83 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,07	0,07	99,93
2,80	-1,49	0,17	0,17	99,77
2,00	-1,00	0,12	0,12	99,65
1,40	-0,49	0,17	0,17	99,48
1,00	0,00	0,21	0,20	99,28
0,710	0,49	0,29	0,28	99,00
0,500	1,00	0,95	0,92	98,07
0,355	1,49	3,09	3,00	95,07
0,250	2,00	5,55	5,40	89,67
0,180	2,47	27,97	27,20	62,47
0,125	3,00	54,70	53,19	9,28
0,090	3,47	7,76	7,55	1,73
0,075	3,74	0,49	0,48	1,25
0,063	3,99	0,13	0,13	1,13
< 0,063	> 3,99	1,16	1,13	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,13
Sand, fine (0,063 mm - 0,200 mm):	69,12
Sand, medium (0,2 mm - 0,6 mm):	28,27
Sand, coarse (0,6 mm - 2 mm):	1,14
Gravel (> 2 mm):	0,35
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,50
16%	84%	0,24	2,09
25%	75%	0,21	2,24
40%	60%	0,18	2,49
Median 50%	50%	0,17	2,58
75%	25%	0,14	2,82
84%	16%	0,13	2,92
90%	10%	0,13	2,99
95%	5%	0,11	3,25

Moments Statistics

Mean	2,53
Sorting	0,47
Skewness	-0,21
Kurtosis	1,22
Uniformity Coefficient	1,41

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

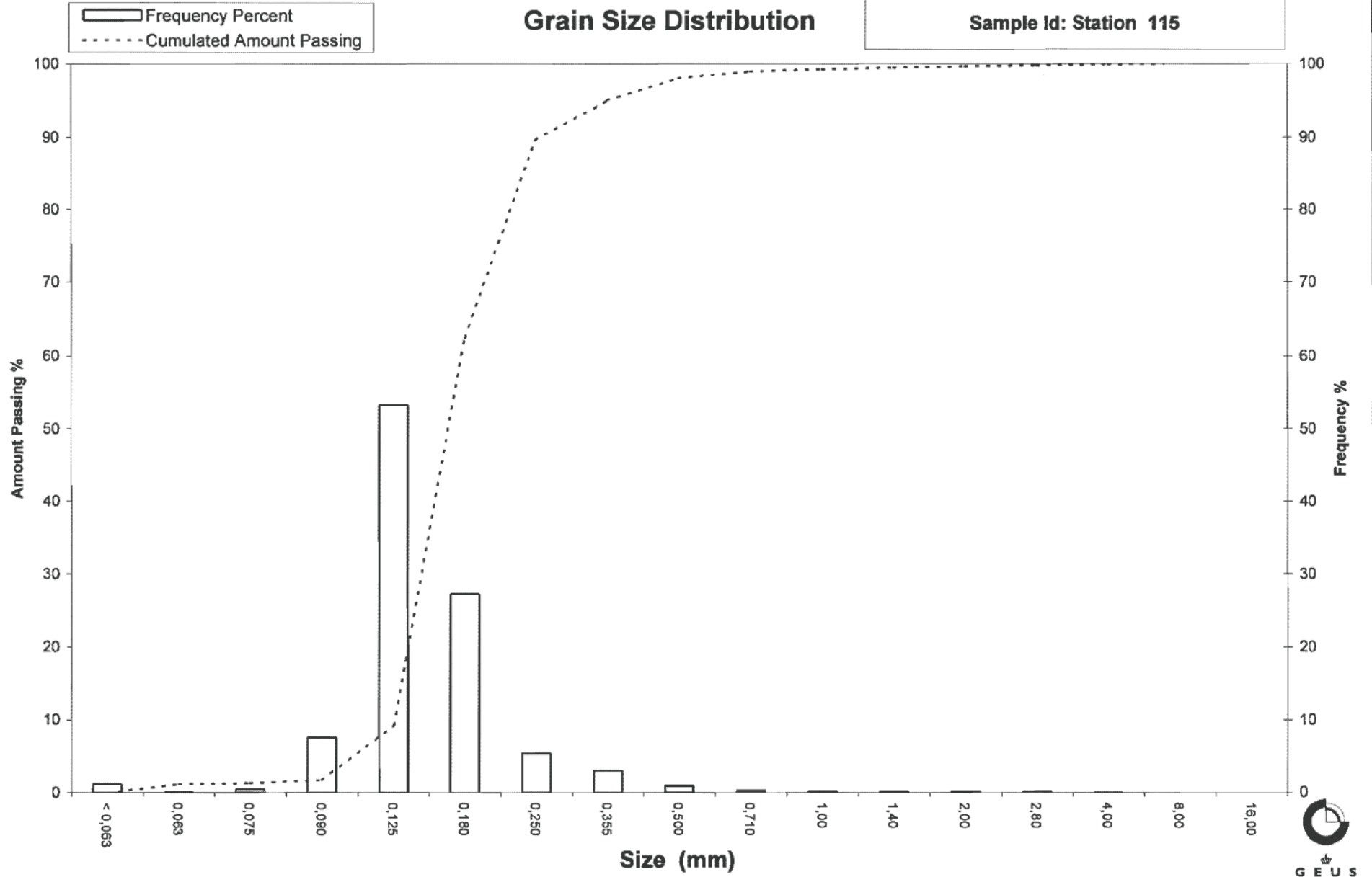
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 115



Grain Size Distribution

Geotechnical

Sample Id: Station 121
Lab. Id: 060648
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,84 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,05	0,05	99,95
1,00	0,00	0,14	0,13	99,83
0,710	0,49	0,43	0,40	99,43
0,500	1,00	1,81	1,66	97,77
0,355	1,49	6,64	6,10	91,67
0,250	2,00	17,69	16,25	75,41
0,180	2,47	34,17	31,39	44,02
0,125	3,00	40,16	36,90	7,12
0,090	3,47	6,32	5,81	1,31
0,075	3,74	0,37	0,34	0,97
0,063	3,99	0,09	0,08	0,89
< 0,063	> 3,99	0,97	0,89	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,89
Sand, fine (0,063 mm - 0,200 mm):	52,10
Sand, medium (0,2 mm - 0,6 mm):	45,57
Sand, coarse (0,6 mm - 2 mm):	1,44
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,43	1,20
16%	84%	0,31	1,71
25%	75%	0,25	2,01
40%	60%	0,22	2,21
Median 50%	50%	0,19	2,37
75%	25%	0,15	2,72
84%	16%	0,14	2,85
90%	10%	0,13	2,95
95%	5%	0,11	3,16

Moments Statistics

Mean	2,31
Sorting	0,58
Skewness	-0,17
Kurtosis	1,12
Uniformity Coefficient	1,67

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

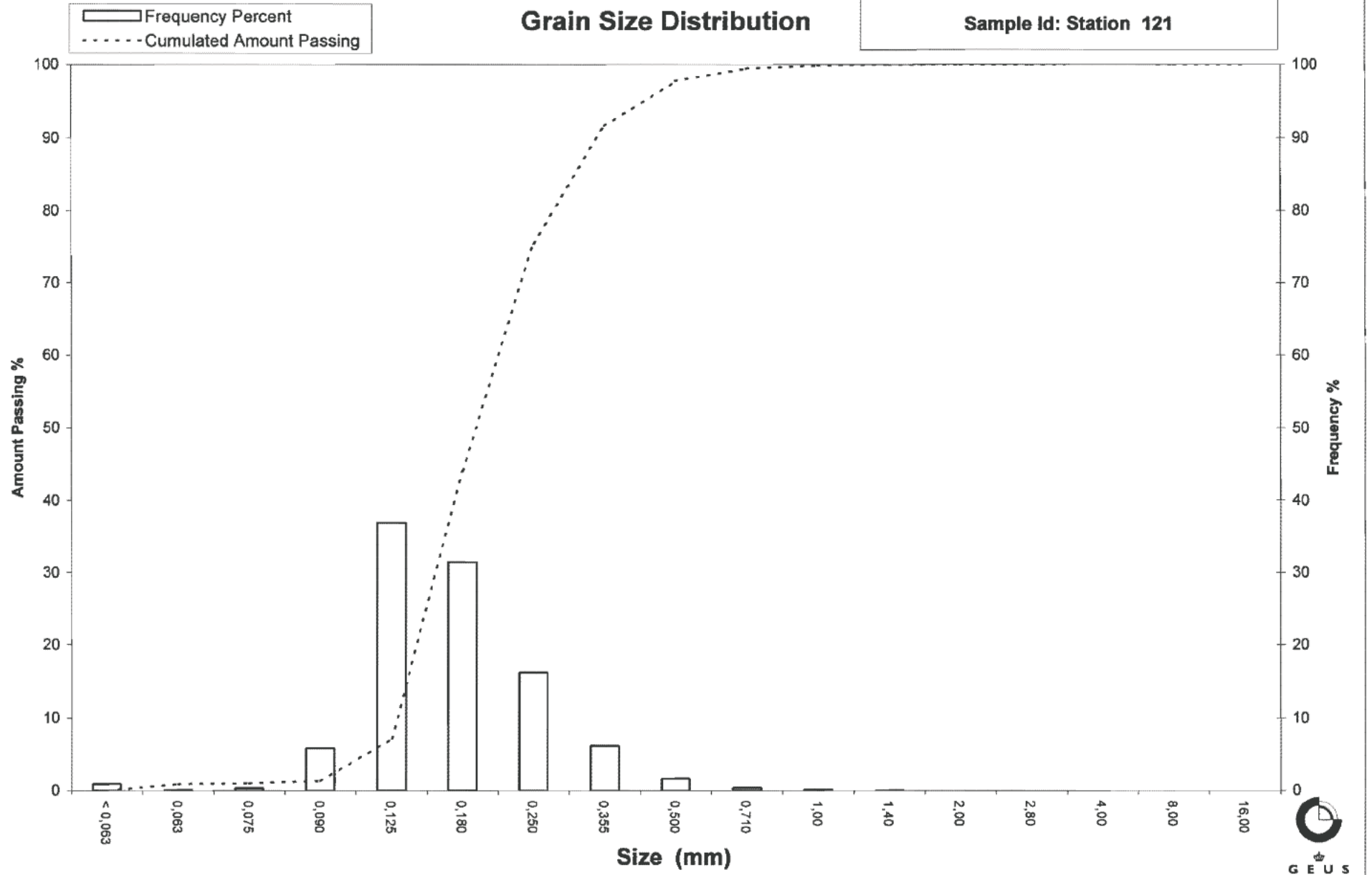
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 121



Grain Size Distribution

Geotechnical

Sample Id: Station 122
Lab. Id: 060649
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,74 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,01	0,01	99,99
1,00	0,00	0,13	0,12	99,87
0,710	0,49	0,37	0,35	99,51
0,500	1,00	1,64	1,57	97,95
0,355	1,49	7,24	6,91	91,03
0,250	2,00	20,02	19,11	71,92
0,180	2,47	38,88	37,12	34,80
0,125	3,00	31,25	29,84	4,96
0,090	3,47	4,25	4,06	0,91
0,075	3,74	0,29	0,28	0,63
0,063	3,99	0,04	0,04	0,59
< 0,063	> 3,99	0,62	0,59	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,59
Sand, fine (0,063 mm - 0,200 mm):	44,81
Sand, medium (0,2 mm - 0,6 mm):	53,29
Sand, coarse (0,6 mm - 2 mm):	1,31
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,44	1,19
16%	84%	0,32	1,66
25%	75%	0,27	1,91
40%	60%	0,23	2,14
Median 50%	50%	0,21	2,26
75%	25%	0,16	2,63
84%	16%	0,15	2,78
90%	10%	0,13	2,90
95%	5%	0,13	3,00

Moments Statistics

Mean	2,23
Sorting	0,55
Skewness	-0,13
Kurtosis	1,03
Uniformity Coefficient	1,69

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

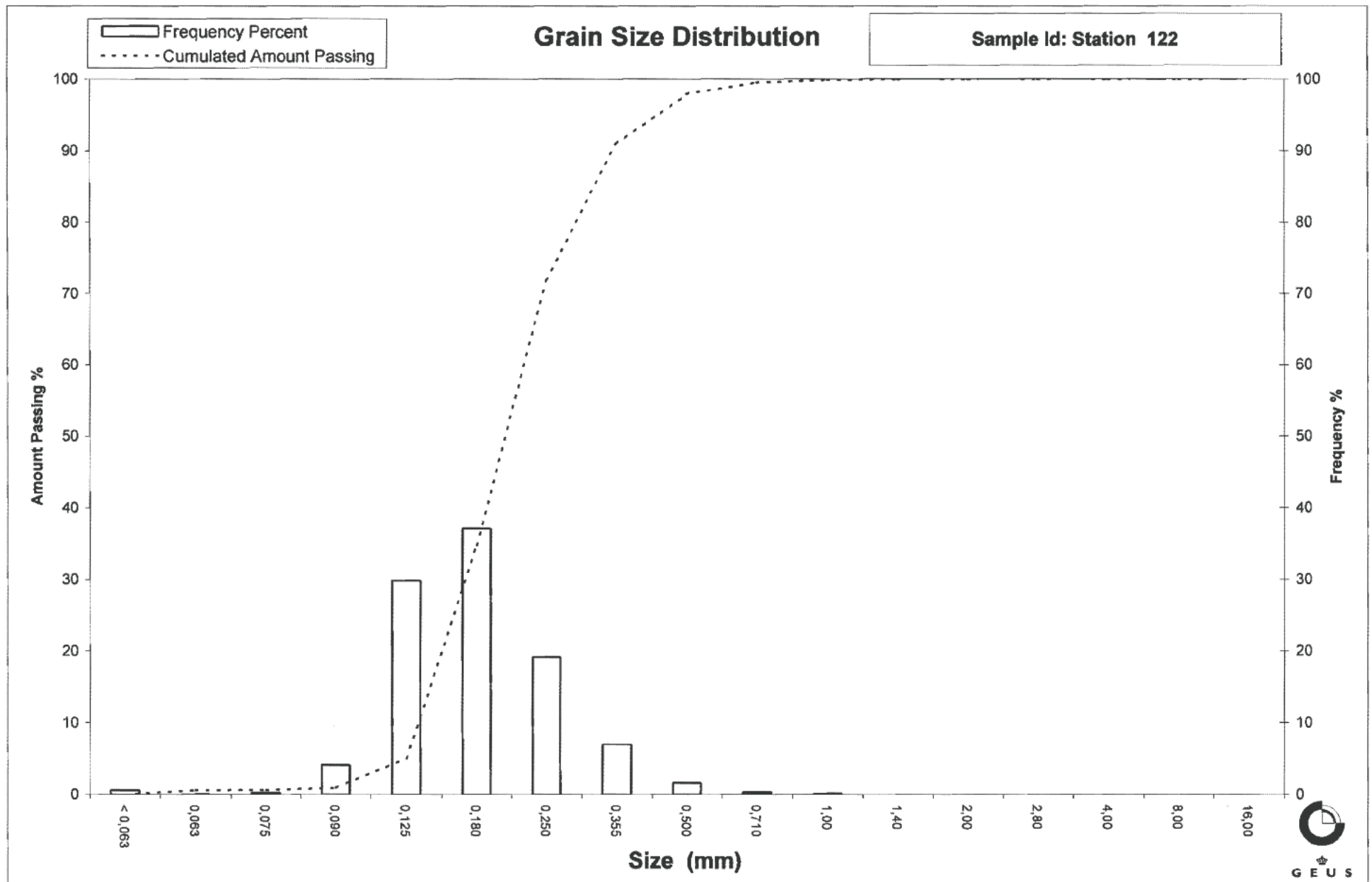
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 123
Lab. Id: 060650
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,41 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,08	0,08	99,92
2,00	-1,00	0,00	0,00	99,92
1,40	-0,49	0,03	0,03	99,89
1,00	0,00	0,10	0,10	99,80
0,710	0,49	0,27	0,26	99,54
0,500	1,00	1,03	1,00	98,54
0,355	1,49	3,78	3,66	94,88
0,250	2,00	11,22	10,85	84,03
0,180	2,47	33,28	32,18	51,85
0,125	3,00	44,70	43,23	8,63
0,090	3,47	7,61	7,36	1,27
0,075	3,74	0,52	0,50	0,76
0,063	3,99	0,12	0,12	0,65
< 0,063	> 3,99	0,67	0,65	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,65
Sand, fine (0,063 mm - 0,200 mm):	60,40
Sand, medium (0,2 mm - 0,6 mm):	37,97
Sand, coarse (0,6 mm - 2 mm):	0,91
Gravel (> 2 mm):	0,08
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,36	1,48
16%	84%	0,25	2,00
25%	75%	0,23	2,12
40%	60%	0,20	2,34
Median 50%	50%	0,18	2,49
75%	25%	0,15	2,78
84%	16%	0,13	2,90
90%	10%	0,13	2,98
95%	5%	0,11	3,21

Moments Statistics

Mean	2,46
Sorting	0,49
Skewness	-0,14
Kurtosis	1,08
Uniformity Coefficient	1,56

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

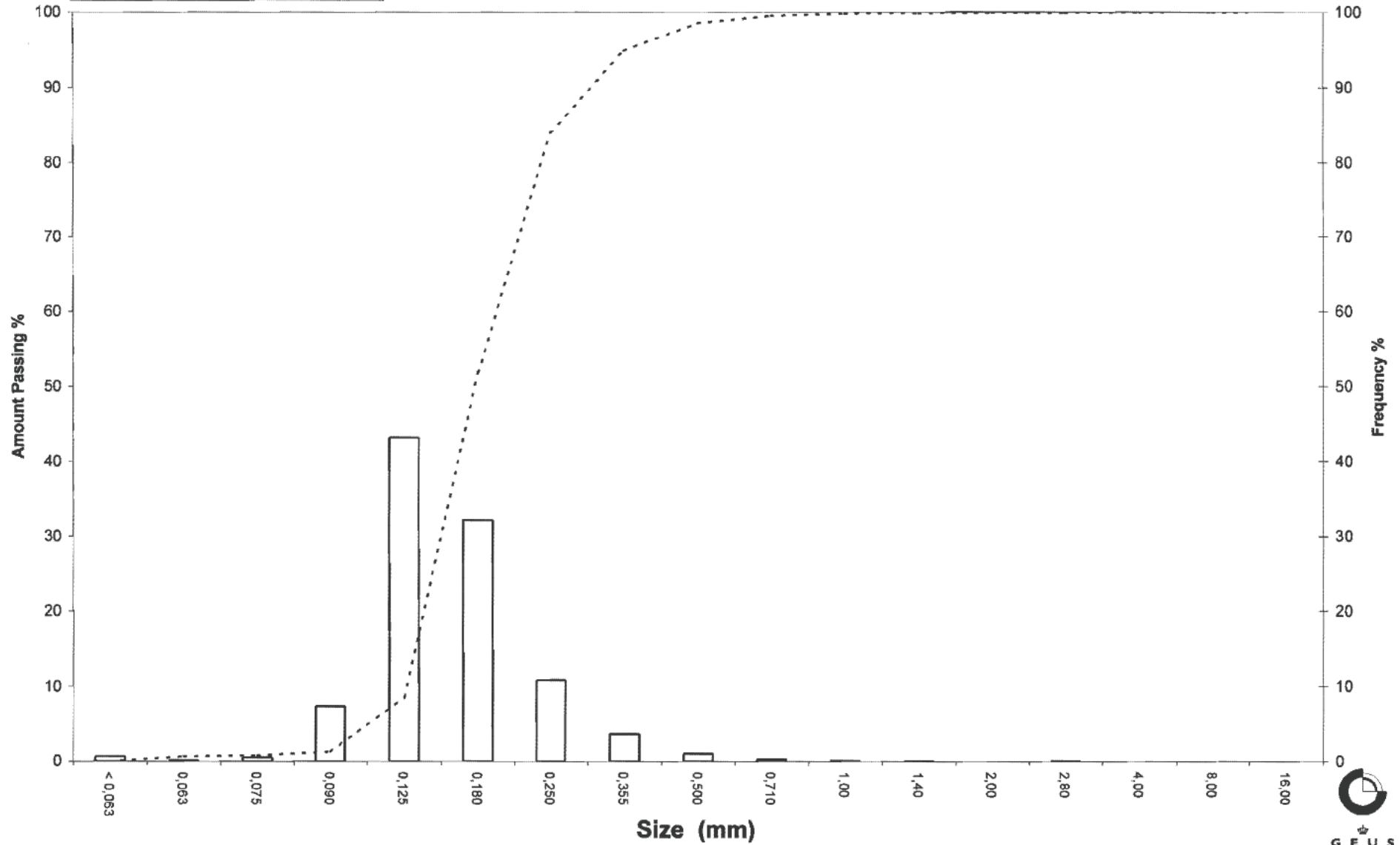
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 123

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: Station 124
Lab. Id: 060651
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,54 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,01	0,01	99,99
1,00	0,00	0,11	0,10	99,89
0,710	0,49	0,21	0,20	99,69
0,500	1,00	1,01	0,96	98,73
0,355	1,49	5,14	4,87	93,86
0,250	2,00	16,39	15,53	78,33
0,180	2,47	37,91	35,92	42,41
0,125	3,00	36,89	34,95	7,46
0,090	3,47	6,68	6,33	1,13
0,075	3,74	0,57	0,54	0,59
0,063	3,99	0,11	0,10	0,48
< 0,063	> 3,99	0,51	0,48	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,48
Sand, fine (0,063 mm - 0,200 mm):	52,19
Sand, medium (0,2 mm - 0,6 mm):	46,51
Sand, coarse (0,6 mm - 2 mm):	0,81
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,39	1,36
16%	84%	0,29	1,79
25%	75%	0,24	2,04
40%	60%	0,21	2,22
Median 50%	50%	0,19	2,36
75%	25%	0,15	2,71
84%	16%	0,14	2,85
90%	10%	0,13	2,95
95%	5%	0,11	3,17

Moments Statistics

Mean	2,34
Sorting	0,54
Skewness	-0,09
Kurtosis	1,10
Uniformity Coefficient	1,66

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

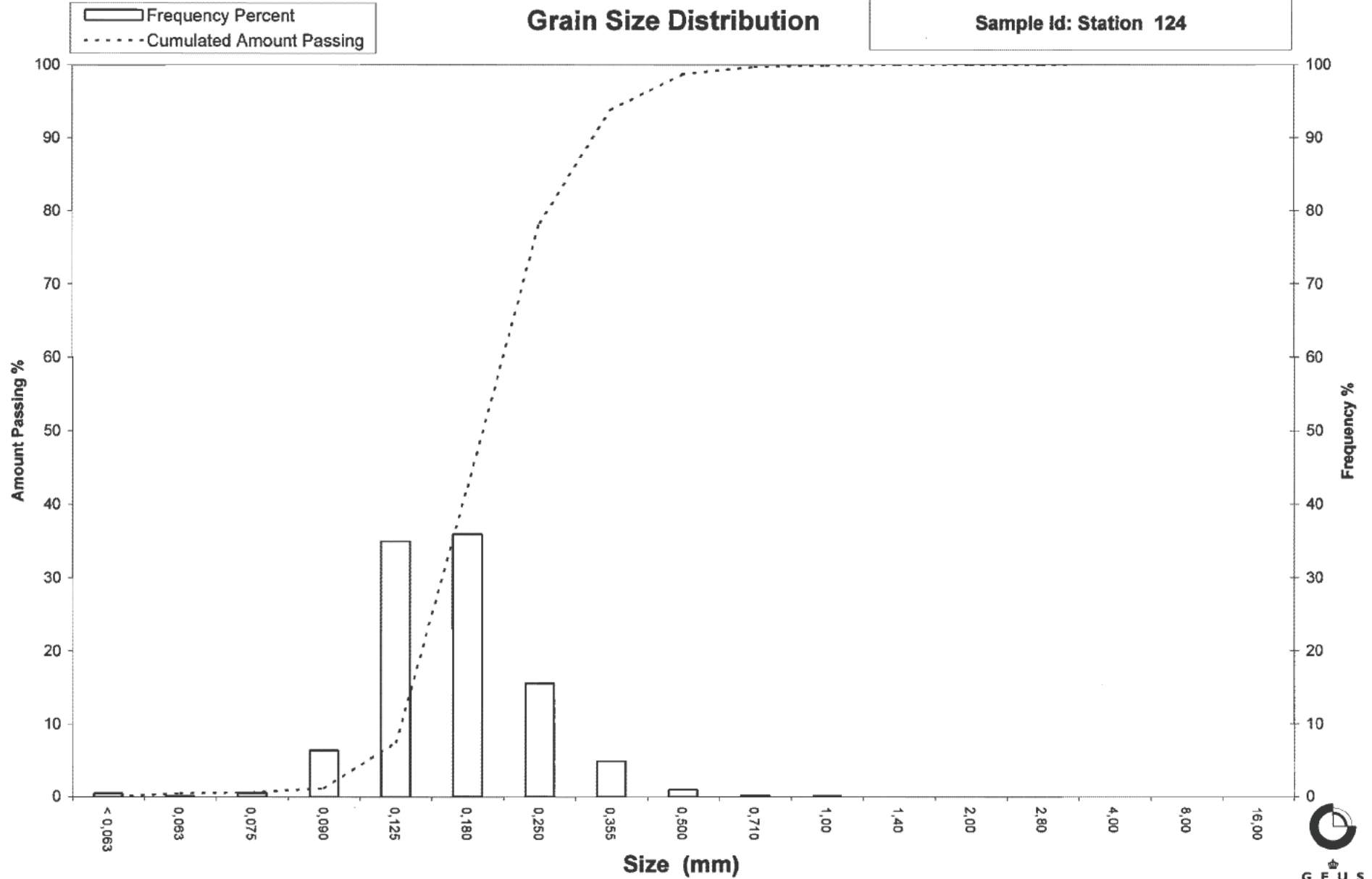
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 124



Grain Size Distribution

Geotechnical

Sample Id: Station 125
Lab. Id: 060652
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,4 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,12	0,11	99,89
2,00	-1,00	0,09	0,08	99,80
1,40	-0,49	0,21	0,20	99,61
1,00	0,00	0,55	0,52	99,09
0,710	0,49	2,09	1,96	97,12
0,500	1,00	8,67	8,15	88,98
0,355	1,49	20,81	19,56	69,42
0,250	2,00	29,69	27,90	41,51
0,180	2,47	25,56	24,02	17,49
0,125	3,00	15,56	14,62	2,87
0,090	3,47	1,98	1,86	1,01
0,075	3,74	0,13	0,12	0,88
0,063	3,99	0,05	0,05	0,84
< 0,063	> 3,99	0,89	0,84	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,84
Sand, fine (0,063 mm - 0,200 mm):	23,52
Sand, medium (0,2 mm - 0,6 mm):	68,50
Sand, coarse (0,6 mm - 2 mm):	6,95
Gravel (> 2 mm):	0,20
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,66	0,61
16%	84%	0,46	1,11
25%	75%	0,40	1,34
40%	60%	0,32	1,65
Median 50%	50%	0,28	1,83
75%	25%	0,20	2,31
84%	16%	0,17	2,52
90%	10%	0,15	2,72
95%	5%	0,13	2,91

Moments Statistics

Mean	1,82
Sorting	0,70
Skewness	-0,04
Kurtosis	0,97
Uniformity Coefficient	2,10

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

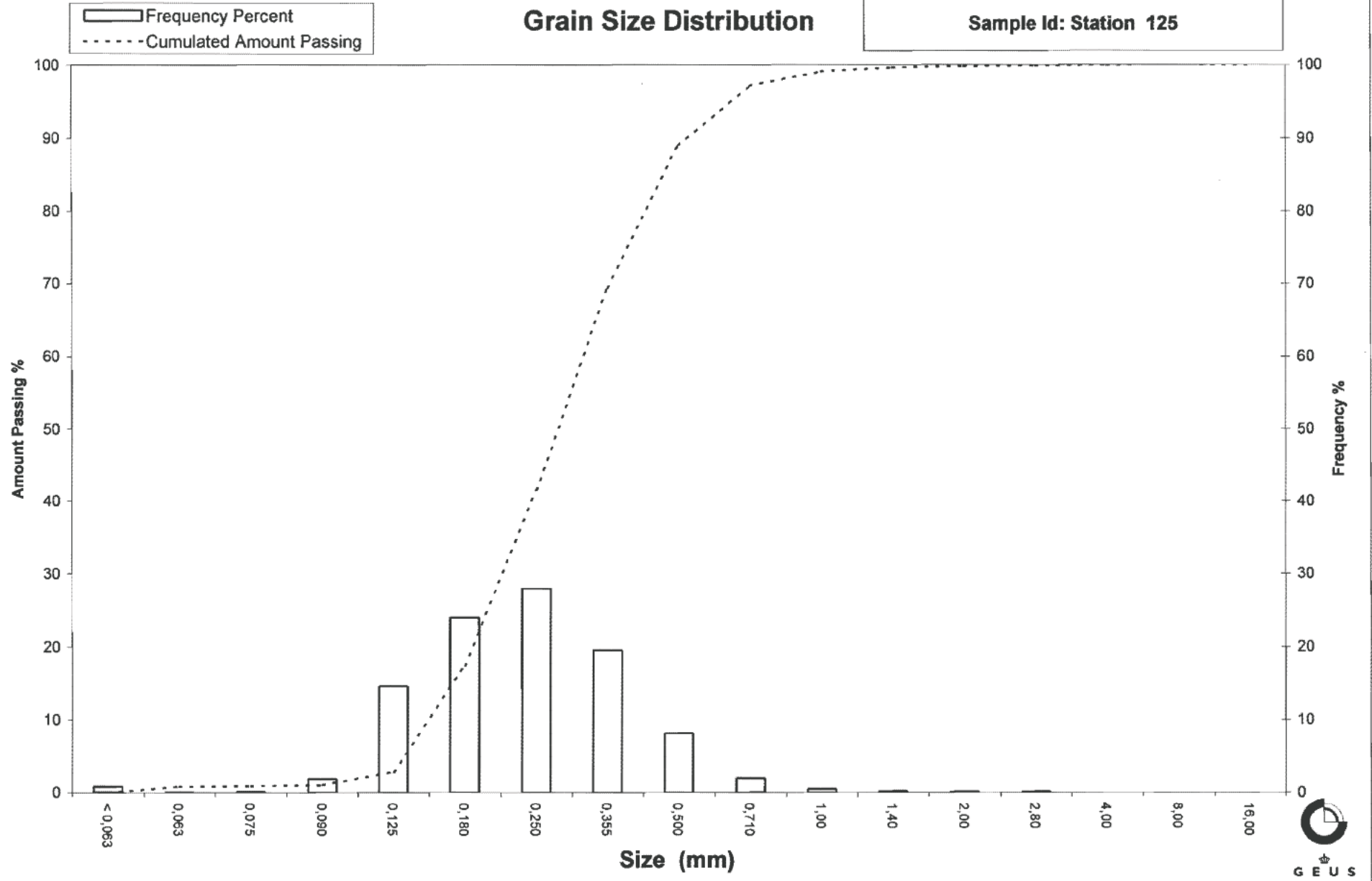
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 125



Grain Size Distribution

Geotechnical

Sample Id: Station 131
Lab. Id: 060653
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 102,54 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,17	0,17	99,83
2,80	-1,49	0,01	0,01	99,82
2,00	-1,00	0,03	0,03	99,80
1,40	-0,49	0,02	0,02	99,78
1,00	0,00	0,01	0,01	99,77
0,710	0,49	0,13	0,13	99,64
0,500	1,00	0,51	0,50	99,14
0,355	1,49	1,43	1,39	97,75
0,250	2,00	3,48	3,39	94,35
0,180	2,47	38,91	37,95	56,41
0,125	3,00	53,51	52,18	4,22
0,090	3,47	2,89	2,82	1,40
0,075	3,74	0,22	0,21	1,19
0,063	3,99	0,07	0,07	1,12
< 0,063	> 3,99	1,15	1,12	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,12
Sand, fine (0,063 mm - 0,200 mm):	66,13
Sand, medium (0,2 mm - 0,6 mm):	32,13
Sand, coarse (0,6 mm - 2 mm):	0,42
Gravel (> 2 mm):	0,20
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,27	1,89
16%	84%	0,23	2,11
25%	75%	0,21	2,22
40%	60%	0,19	2,42
Median 50%	50%	0,17	2,53
75%	25%	0,15	2,77
84%	16%	0,14	2,86
90%	10%	0,13	2,93
95%	5%	0,13	2,99

Moments Statistics

Mean	2,50
Sorting	0,35
Skewness	-0,13
Kurtosis	0,83
Uniformity Coefficient	1,42

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

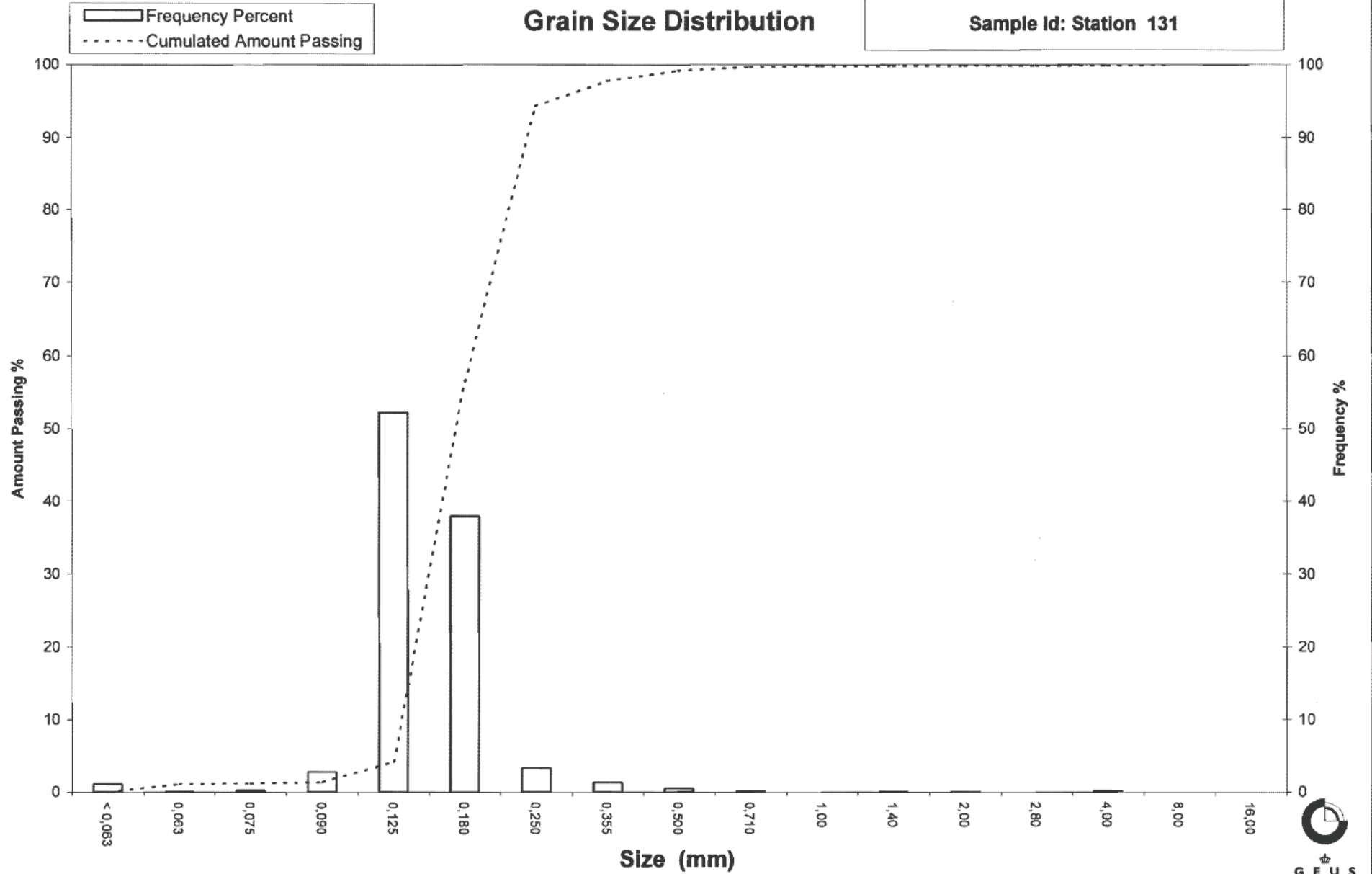
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 131



Grain Size Distribution

Geotechnical

Sample Id: Station 132
Lab. Id: 060654
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 102,36 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,01	0,01	99,99
1,40	-0,49	0,01	0,01	99,98
1,00	0,00	0,05	0,05	99,93
0,710	0,49	0,02	0,02	99,91
0,500	1,00	0,02	0,02	99,89
0,355	1,49	0,05	0,05	99,84
0,250	2,00	1,15	1,12	98,72
0,180	2,47	40,75	39,81	58,91
0,125	3,00	56,31	55,01	3,90
0,090	3,47	2,96	2,89	1,01
0,075	3,74	0,22	0,21	0,79
0,063	3,99	0,07	0,07	0,72
< 0,063	> 3,99	0,74	0,72	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,72
Sand, fine (0,063 mm - 0,200 mm):	69,56
Sand, medium (0,2 mm - 0,6 mm):	29,62
Sand, coarse (0,6 mm - 2 mm):	0,09
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,24	2,04
16%	84%	0,22	2,16
25%	75%	0,21	2,26
40%	60%	0,18	2,46
Median 50%	50%	0,17	2,55
75%	25%	0,15	2,77
84%	16%	0,14	2,87
90%	10%	0,13	2,93
95%	5%	0,13	2,99

Moments Statistics

Mean	2,52
Sorting	0,32
Skewness	-0,09
Kurtosis	0,76
Uniformity Coefficient	1,39

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

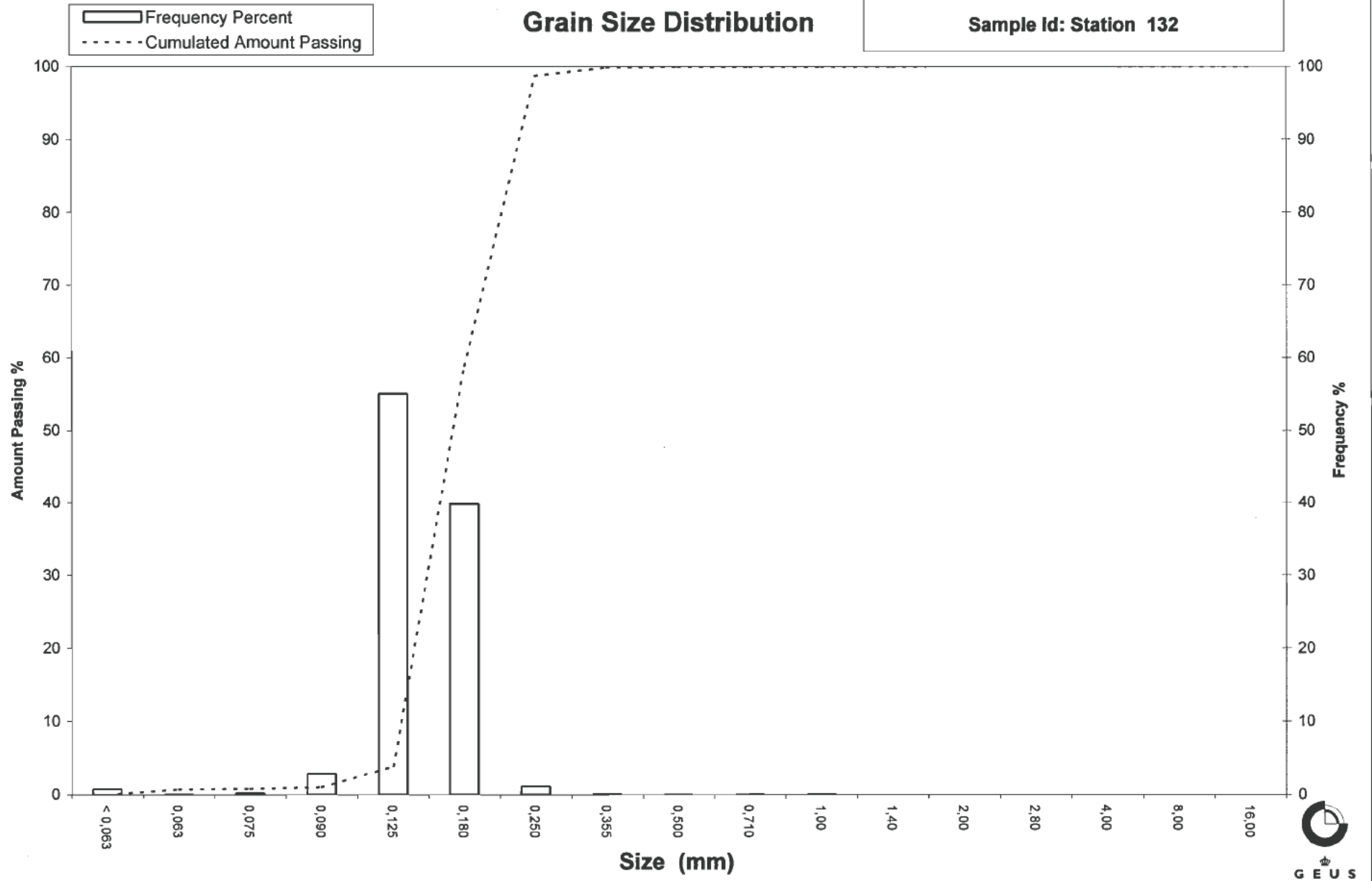
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 132



Grain Size Distribution

Geotechnical

Sample Id: Station 133
Lab. Id: 060655
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,32 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,02	99,98
2,00	-1,00	0,01	0,01	99,97
1,40	-0,49	0,01	0,01	99,96
1,00	0,00	0,03	0,03	99,93
0,710	0,49	0,08	0,08	99,86
0,500	1,00	0,03	0,03	99,83
0,355	1,49	0,04	0,04	99,79
0,250	2,00	0,96	0,92	98,87
0,180	2,47	41,48	39,76	59,11
0,125	3,00	57,63	55,24	3,86
0,090	3,47	2,95	2,83	1,04
0,075	3,74	0,22	0,21	0,82
0,063	3,99	0,08	0,08	0,75
< 0,063	> 3,99	0,78	0,75	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,75
Sand, fine (0,063 mm - 0,200 mm):	69,72
Sand, medium (0,2 mm - 0,6 mm):	29,37
Sand, coarse (0,6 mm - 2 mm):	0,13
Gravel (> 2 mm):	0,03
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,24	2,04
16%	84%	0,22	2,16
25%	75%	0,21	2,27
40%	60%	0,18	2,46
Median 50%	50%	0,17	2,55
75%	25%	0,15	2,78
84%	16%	0,14	2,87
90%	10%	0,13	2,93
95%	5%	0,13	2,99

Moments Statistics

Mean	2,52
Sorting	0,32
Skewness	-0,09
Kurtosis	0,76
Uniformity Coefficient	1,38

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

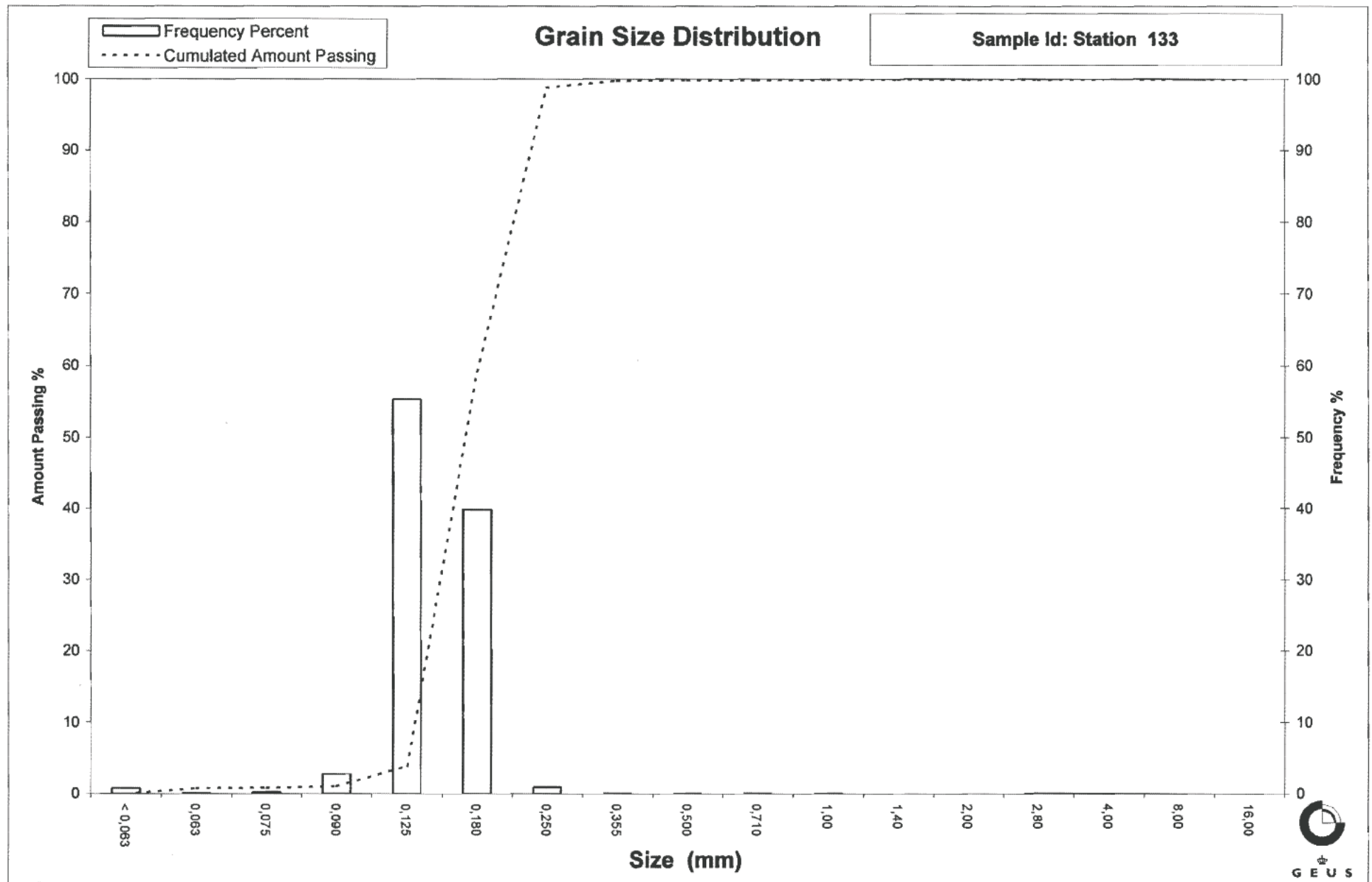
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 134
Lab. Id: 060656
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 107,61 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,04	0,04	99,96
2,80	-1,49	0,00	0,00	99,96
2,00	-1,00	0,04	0,04	99,93
1,40	-0,49	0,01	0,01	99,92
1,00	0,00	0,01	0,01	99,91
0,710	0,49	0,02	0,02	99,89
0,500	1,00	0,02	0,02	99,87
0,355	1,49	0,03	0,03	99,84
0,250	2,00	1,21	1,12	98,72
0,180	2,47	42,93	39,89	58,82
0,125	3,00	58,73	54,58	4,25
0,090	3,47	3,12	2,90	1,35
0,075	3,74	0,29	0,27	1,08
0,063	3,99	0,10	0,09	0,99
< 0,063	> 3,99	1,06	0,99	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,99
Sand, fine (0,063 mm - 0,200 mm):	69,24
Sand, medium (0,2 mm - 0,6 mm):	29,66
Sand, coarse (0,6 mm - 2 mm):	0,05
Gravel (> 2 mm):	0,07
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,24	2,04
16%	84%	0,22	2,16
25%	75%	0,21	2,26
40%	60%	0,18	2,46
Median 50%	50%	0,17	2,55
75%	25%	0,15	2,78
84%	16%	0,14	2,87
90%	10%	0,13	2,93
95%	5%	0,13	2,99

Moments Statistics

Mean	2,52
Sorting	0,32
Skewness	-0,08
Kurtosis	0,76
Uniformity Coefficient	1,39

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

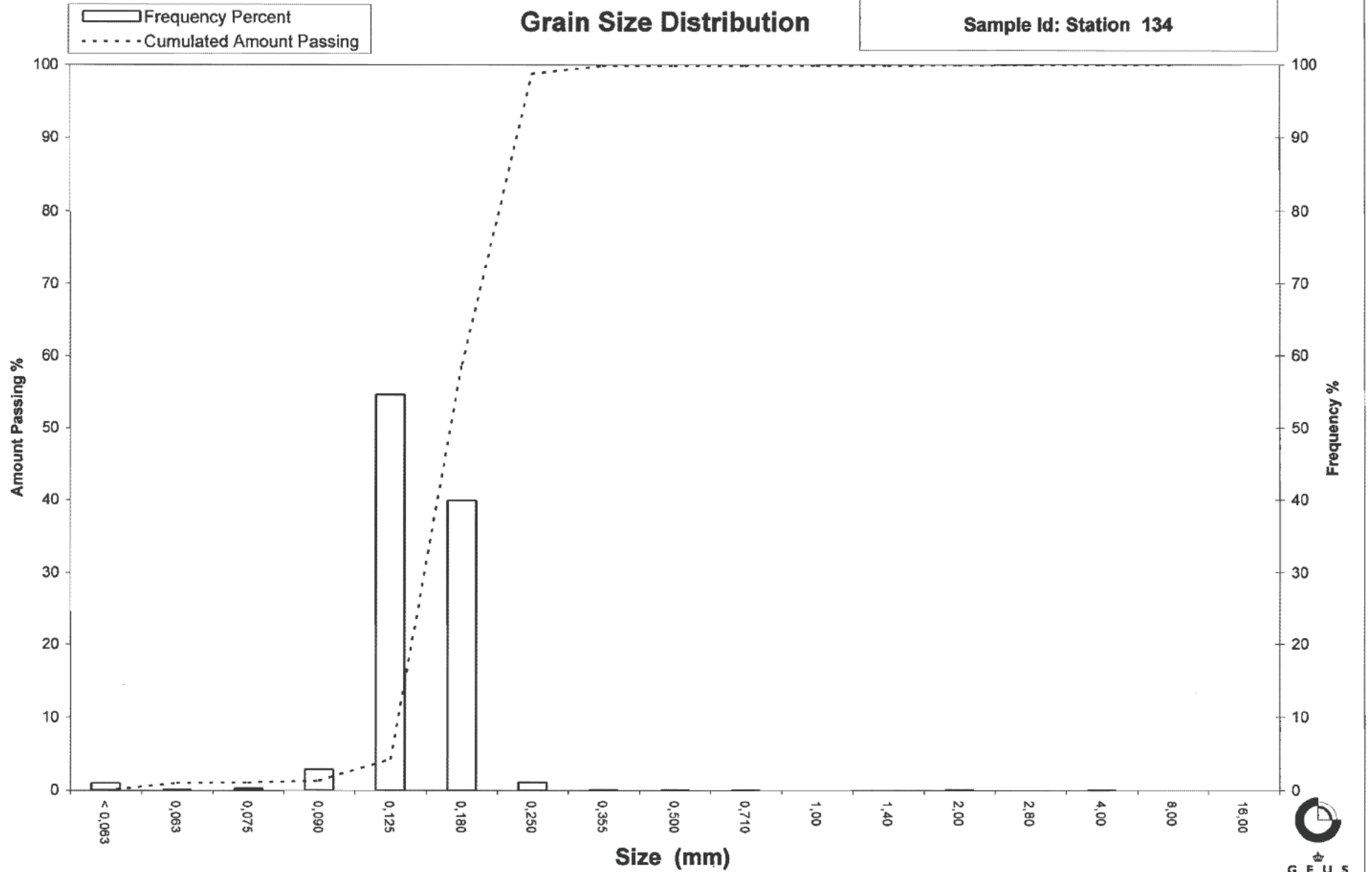
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 134



Grain Size Distribution

Geotechnical

Sample Id: Station 135
Lab. Id: 060657
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 102,37 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,01	0,01	99,99
1,40	-0,49	0,08	0,08	99,91
1,00	0,00	0,09	0,09	99,82
0,710	0,49	0,10	0,10	99,73
0,500	1,00	0,16	0,16	99,57
0,355	1,49	0,15	0,15	99,42
0,250	2,00	1,06	1,04	98,39
0,180	2,47	36,98	36,12	62,26
0,125	3,00	59,95	58,56	3,70
0,090	3,47	2,92	2,85	0,85
0,075	3,74	0,25	0,24	0,61
0,063	3,99	0,07	0,07	0,54
< 0,063	> 3,99	0,55	0,54	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,54
Sand, fine (0,063 mm - 0,200 mm):	72,05
Sand, medium (0,2 mm - 0,6 mm):	27,06
Sand, coarse (0,6 mm - 2 mm):	0,35
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,24	2,04
16%	84%	0,22	2,17
25%	75%	0,20	2,29
40%	60%	0,18	2,49
Median 50%	50%	0,17	2,57
75%	25%	0,15	2,79
84%	16%	0,14	2,87
90%	10%	0,13	2,93
95%	5%	0,13	2,99

Moments Statistics

Mean	2,54
Sorting	0,32
Skewness	-0,13
Kurtosis	0,78
Uniformity Coefficient	1,36

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

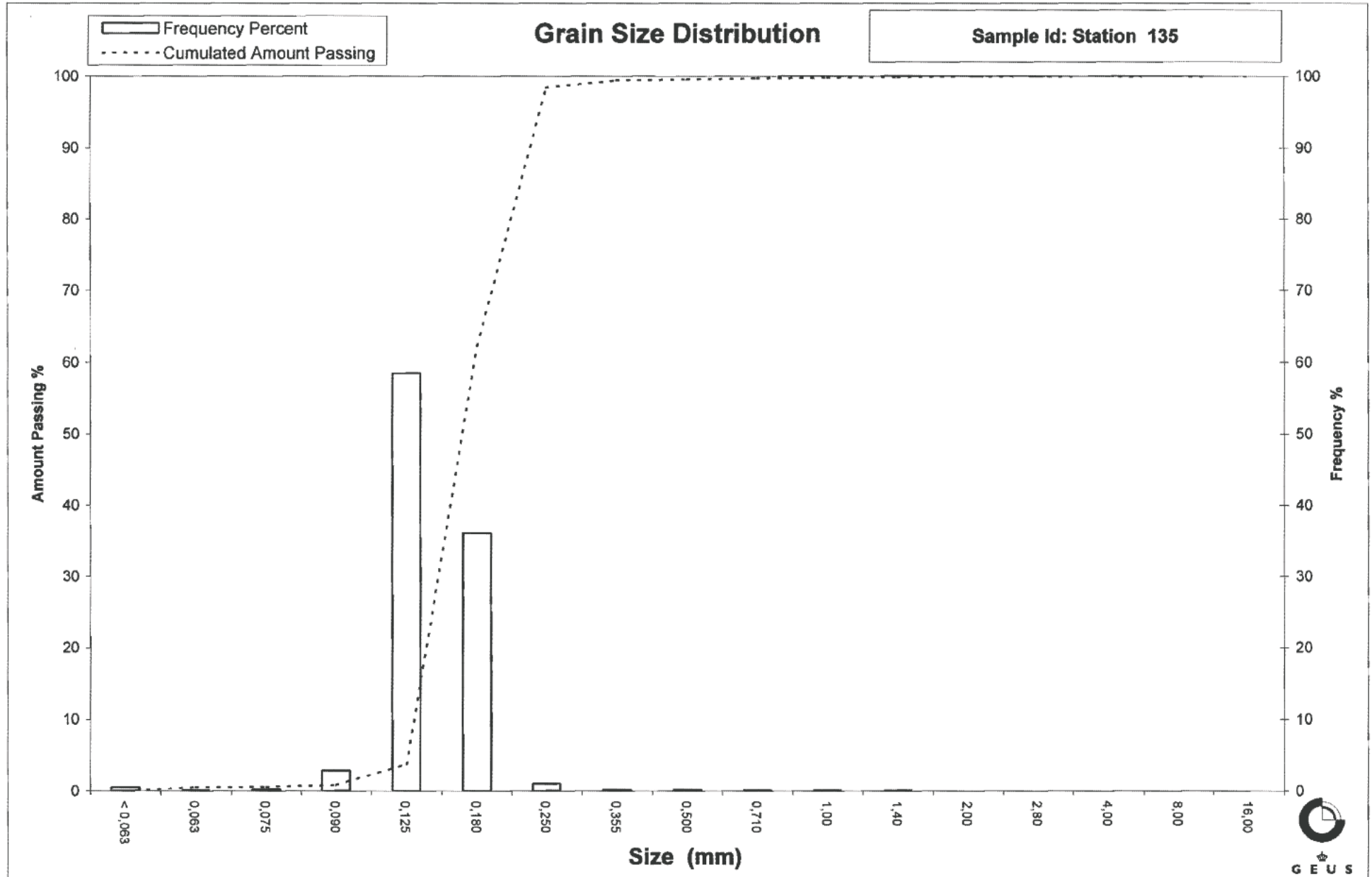
Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 141
Lab. Id: 060658
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,89 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,05	0,05	99,95
1,40	-0,49	0,01	0,01	99,94
1,00	0,00	0,06	0,06	99,89
0,710	0,49	0,07	0,06	99,83
0,500	1,00	0,21	0,19	99,63
0,355	1,49	0,80	0,73	98,90
0,250	2,00	5,66	5,20	93,70
0,180	2,47	58,14	53,39	40,31
0,125	3,00	40,06	36,79	3,52
0,090	3,47	2,51	2,31	1,21
0,075	3,74	0,22	0,20	1,01
0,063	3,99	0,05	0,05	0,96
< 0,063	> 3,99	1,05	0,96	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,96
Sand, fine (0,063 mm - 0,200 mm):	54,60
Sand, medium (0,2 mm - 0,6 mm):	44,16
Sand, coarse (0,6 mm - 2 mm):	0,23
Gravel (> 2 mm):	0,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,28	1,86
16%	84%	0,24	2,08
25%	75%	0,23	2,15
40%	60%	0,21	2,28
Median 50%	50%	0,19	2,38
75%	25%	0,16	2,67
84%	16%	0,14	2,80
90%	10%	0,13	2,89
95%	5%	0,13	2,97

Moments Statistics

Mean	2,42
Sorting	0,35
Skewness	0,12
Kurtosis	0,88
Uniformity Coefficient	1,53

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

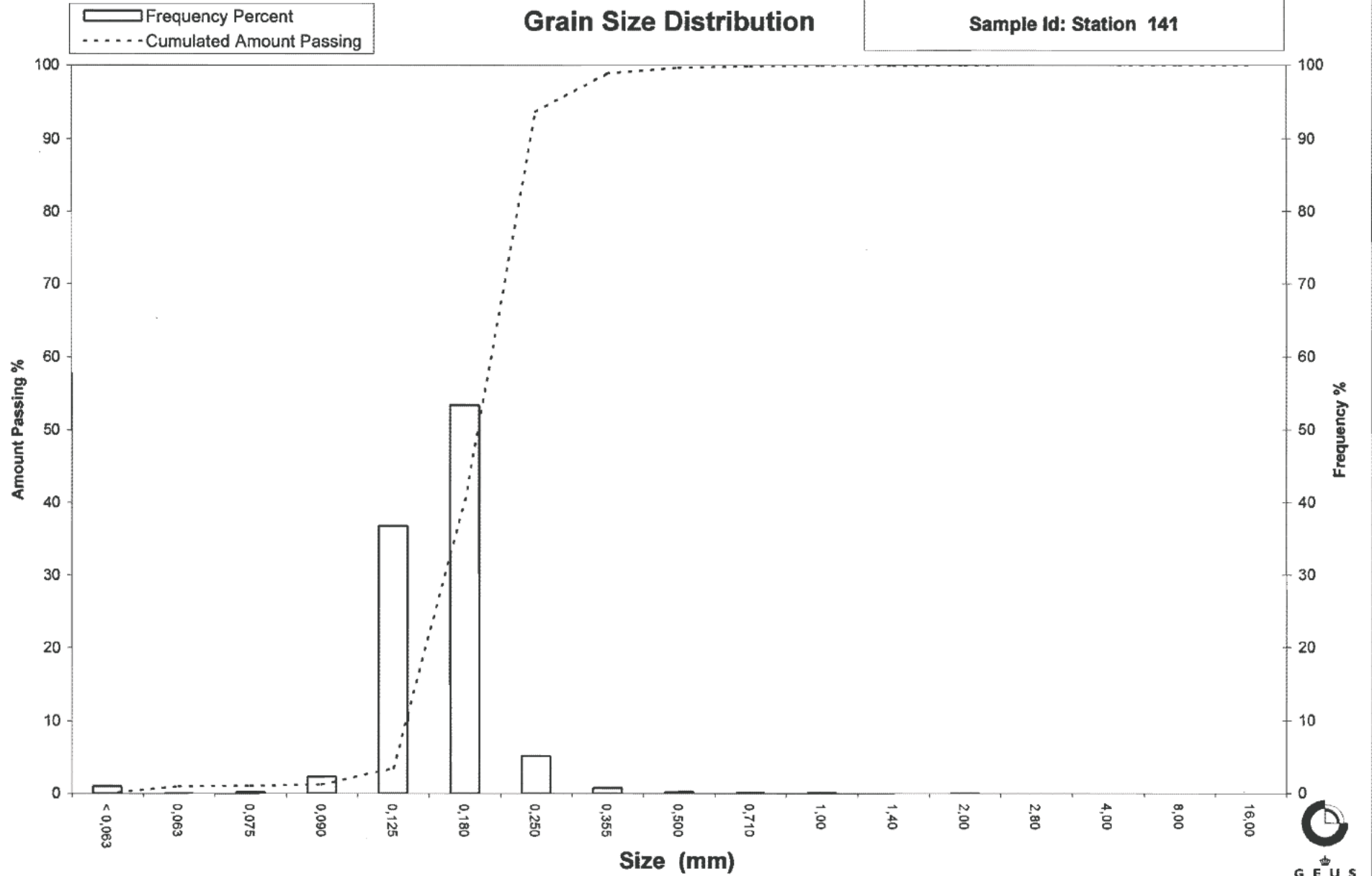
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 141



Grain Size Distribution

Geotechnical

Sample Id: Station 142
Lab. Id: 060659
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,02 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,07	0,07	99,93
2,00	-1,00	0,00	0,00	99,93
1,40	-0,49	0,02	0,02	99,91
1,00	0,00	0,03	0,03	99,88
0,710	0,49	0,06	0,06	99,83
0,500	1,00	0,19	0,18	99,64
0,355	1,49	0,83	0,80	98,85
0,250	2,00	6,73	6,47	92,38
0,180	2,47	56,55	54,36	38,01
0,125	3,00	36,22	34,82	3,19
0,090	3,47	2,19	2,11	1,09
0,075	3,74	0,19	0,18	0,90
0,063	3,99	0,04	0,04	0,87
< 0,063	> 3,99	0,90	0,87	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,87
Sand, fine (0,063 mm - 0,200 mm):	52,68
Sand, medium (0,2 mm - 0,6 mm):	46,19
Sand, coarse (0,6 mm - 2 mm):	0,20
Gravel (> 2 mm):	0,07
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,29	1,77
16%	84%	0,24	2,06
25%	75%	0,23	2,14
40%	60%	0,21	2,26
Median 50%	50%	0,20	2,36
75%	25%	0,16	2,65
84%	16%	0,15	2,78
90%	10%	0,14	2,88
95%	5%	0,13	2,97

Moments Statistics

Mean	2,40
Sorting	0,36
Skewness	0,11
Kurtosis	0,95
Uniformity Coefficient	1,53

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

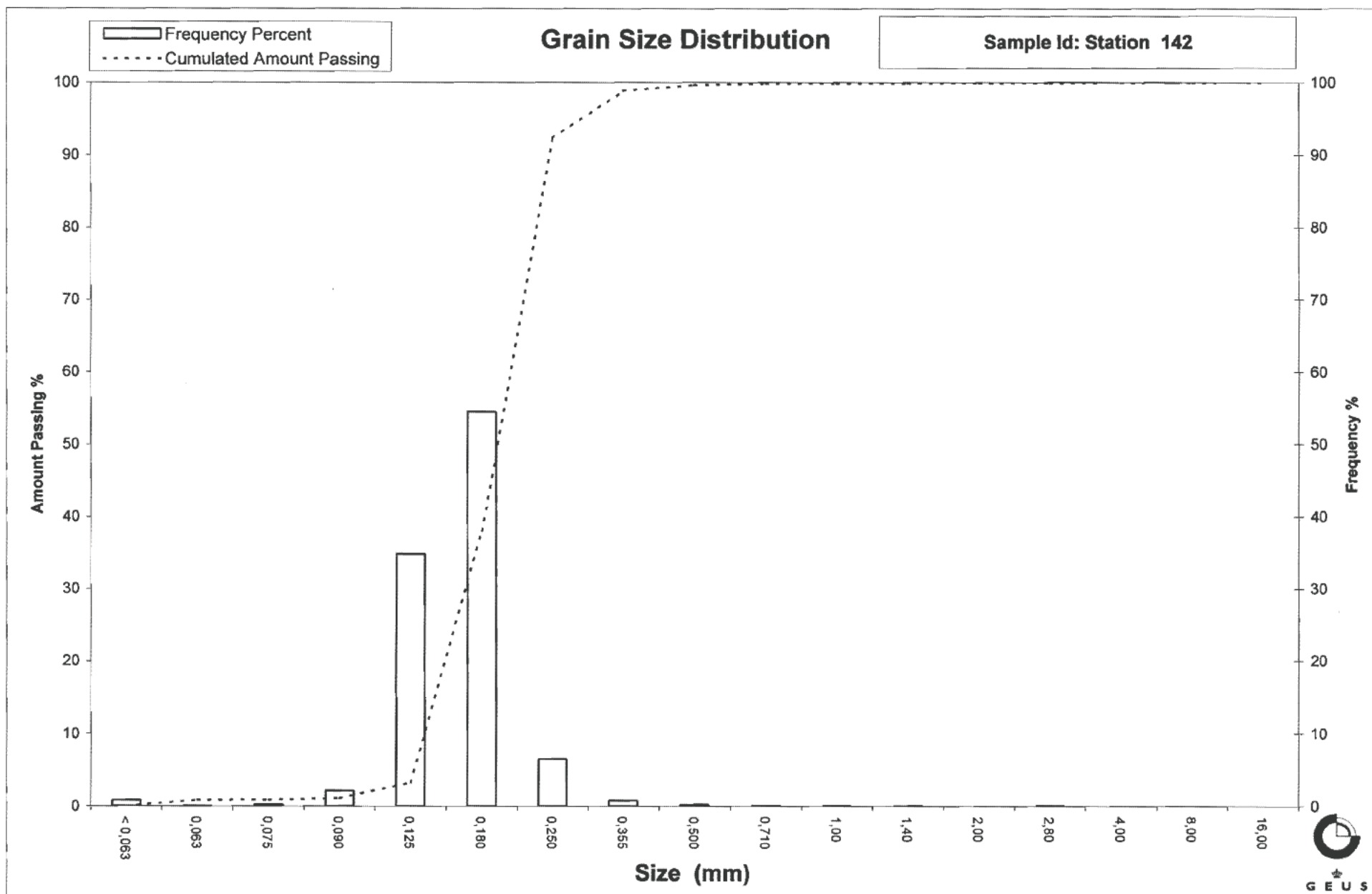
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 143
Lab. Id: 060660
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,57 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,03	0,03	99,97
2,00	-1,00	0,02	0,02	99,95
1,40	-0,49	0,02	0,02	99,94
1,00	0,00	0,03	0,03	99,91
0,710	0,49	0,08	0,07	99,84
0,500	1,00	0,20	0,18	99,65
0,355	1,49	0,94	0,86	98,80
0,250	2,00	7,04	6,43	92,37
0,180	2,47	57,99	52,93	39,45
0,125	3,00	40,40	36,87	2,57
0,090	3,47	2,26	2,06	0,51
0,075	3,74	0,30	0,27	0,24
0,063	3,99	0,09	0,08	0,16
< 0,063	> 3,99	0,17	0,16	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,16
Sand, fine (0,063 mm - 0,200 mm):	54,41
Sand, medium (0,2 mm - 0,6 mm):	45,17
Sand, coarse (0,6 mm - 2 mm):	0,21
Gravel (> 2 mm):	0,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,29	1,77
16%	84%	0,24	2,07
25%	75%	0,23	2,14
40%	60%	0,21	2,27
Median 50%	50%	0,19	2,37
75%	25%	0,16	2,66
84%	16%	0,15	2,79
90%	10%	0,14	2,88
95%	5%	0,13	2,96

Moments Statistics

Mean	2,41
Sorting	0,36
Skewness	0,08
Kurtosis	0,94
Uniformity Coefficient	1,52

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

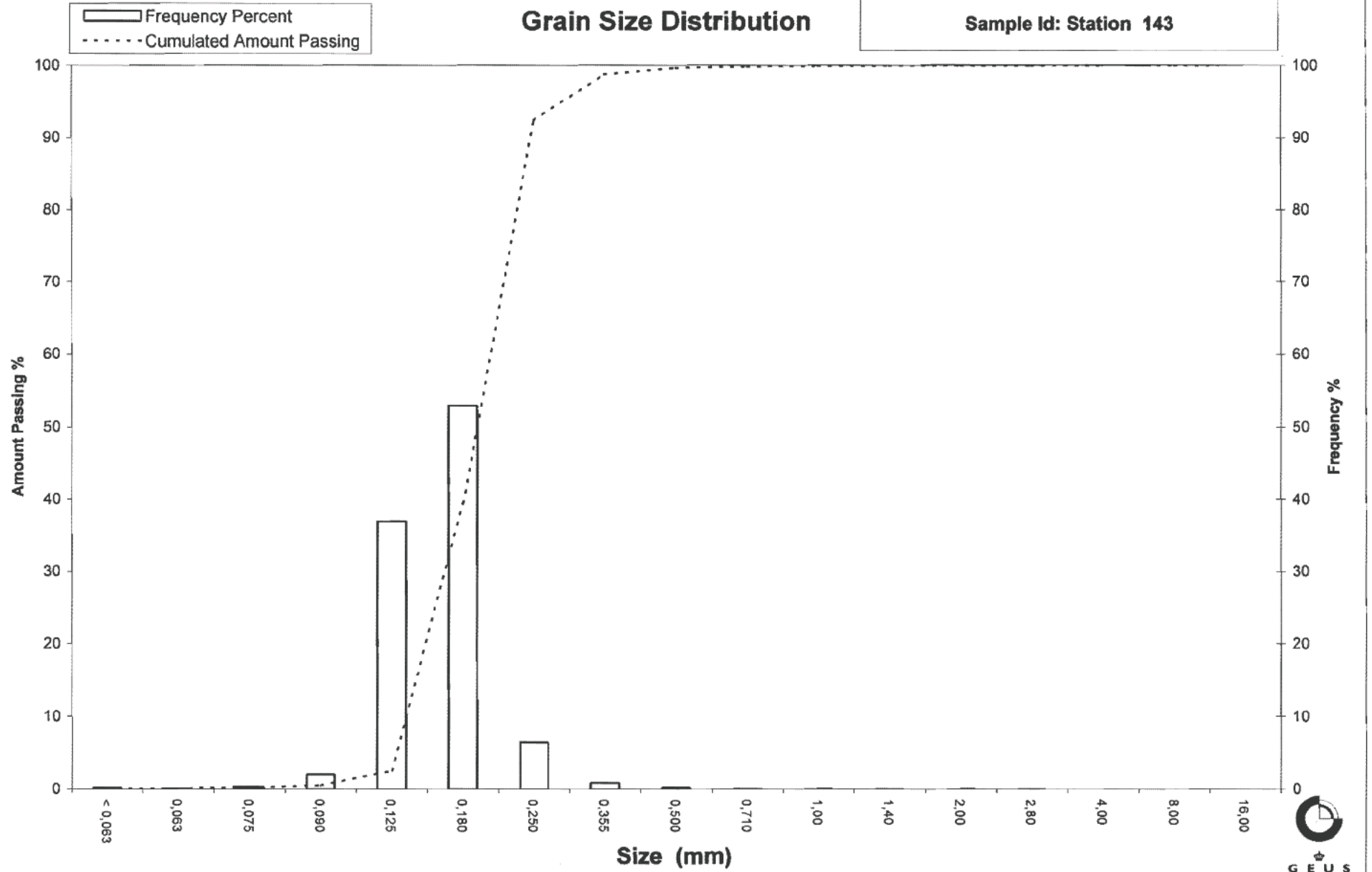
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 143



Grain Size Distribution

Geotechnical

Sample Id: Station 144
Lab. Id: 060661
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,81 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,19	0,18	99,82
2,80	-1,49	0,00	0,00	99,82
2,00	-1,00	0,02	0,02	99,80
1,40	-0,49	0,02	0,02	99,78
1,00	0,00	0,09	0,09	99,69
0,710	0,49	0,09	0,09	99,61
0,500	1,00	0,16	0,15	99,46
0,355	1,49	0,76	0,73	98,73
0,250	2,00	5,88	5,61	93,12
0,180	2,47	55,57	53,02	40,10
0,125	3,00	38,97	37,18	2,92
0,090	3,47	1,70	1,62	1,30
0,075	3,74	0,21	0,20	1,10
0,063	3,99	0,06	0,06	1,04
< 0,063	> 3,99	1,09	1,04	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,04
Sand, fine (0,063 mm - 0,200 mm):	54,21
Sand, medium (0,2 mm - 0,6 mm):	44,28
Sand, coarse (0,6 mm - 2 mm):	0,27
Gravel (> 2 mm):	0,20
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,29	1,81
16%	84%	0,24	2,07
25%	75%	0,23	2,15
40%	60%	0,21	2,28
Median 50%	50%	0,19	2,37
75%	25%	0,16	2,67
84%	16%	0,14	2,79
90%	10%	0,14	2,88
95%	5%	0,13	2,96

Moments Statistics

Mean	2,41
Sorting	0,36
Skewness	0,09
Kurtosis	0,91
Uniformity Coefficient	1,52

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

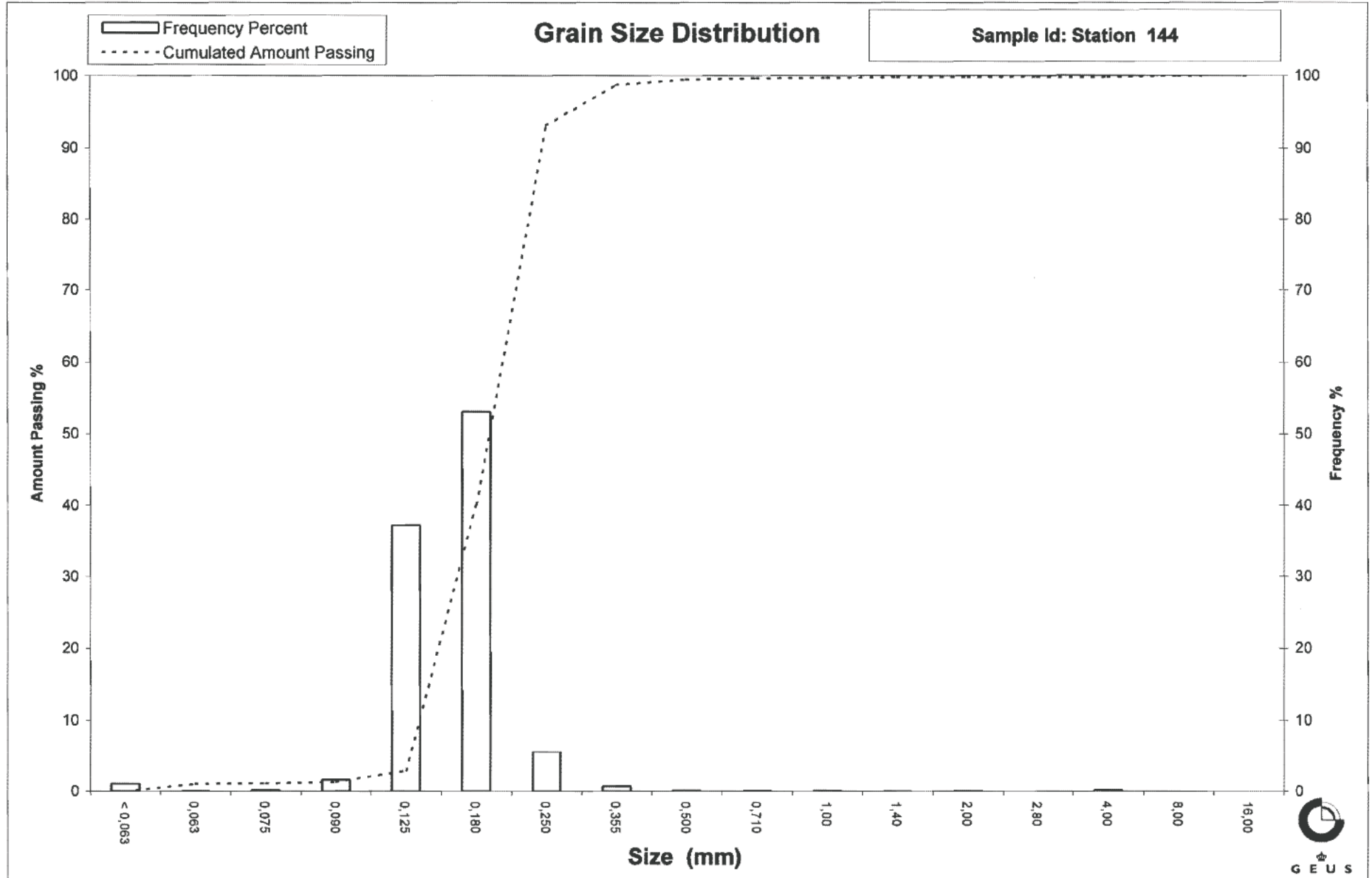
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 145
Lab. Id: 060662
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 101,34 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,02	0,02	99,98
1,00	0,00	0,01	0,01	99,97
0,710	0,49	0,05	0,05	99,92
0,500	1,00	0,17	0,17	99,75
0,355	1,49	0,81	0,80	98,95
0,250	2,00	7,12	7,03	91,93
0,180	2,47	55,86	55,12	36,81
0,125	3,00	34,77	34,31	2,50
0,090	3,47	1,16	1,14	1,35
0,075	3,74	0,18	0,18	1,17
0,063	3,99	0,04	0,04	1,13
< 0,063	> 3,99	1,15	1,13	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,13
Sand, fine (0,063 mm - 0,200 mm):	51,42
Sand, medium (0,2 mm - 0,6 mm):	47,28
Sand, coarse (0,6 mm - 2 mm):	0,17
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,30	1,76
16%	84%	0,24	2,06
25%	75%	0,23	2,13
40%	60%	0,21	2,26
Median 50%	50%	0,20	2,35
75%	25%	0,16	2,63
84%	16%	0,15	2,77
90%	10%	0,14	2,87
95%	5%	0,13	2,95

Moments Statistics

Mean	2,39
Sorting	0,36
Skewness	0,11
Kurtosis	0,97
Uniformity Coefficient	1,53

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

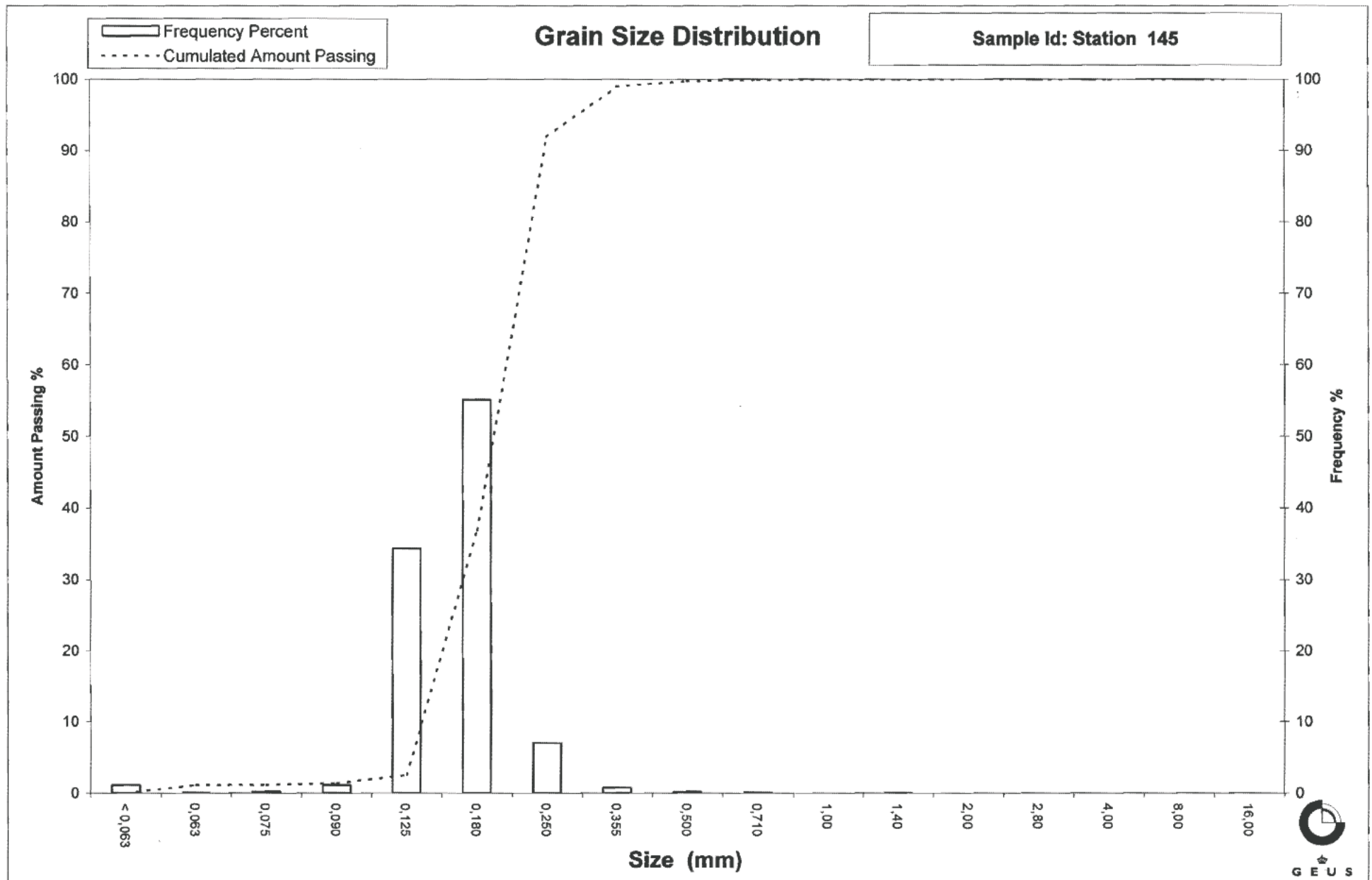
Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 151
Lab. Id: 060663
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,61 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,22	0,21	99,79
4,00	-2,00	0,00	0,00	99,79
2,80	-1,49	0,01	0,01	99,78
2,00	-1,00	0,00	0,00	99,78
1,40	-0,49	0,02	0,02	99,76
1,00	0,00	0,01	0,01	99,75
0,710	0,49	0,01	0,01	99,74
0,500	1,00	0,03	0,03	99,71
0,355	1,49	0,45	0,43	99,28
0,250	2,00	9,66	9,32	89,95
0,180	2,47	66,93	64,60	25,35
0,125	3,00	23,50	22,68	2,67
0,090	3,47	1,23	1,19	1,49
0,075	3,74	0,16	0,15	1,33
0,063	3,99	0,03	0,03	1,30
< 0,063	> 3,99	1,35	1,30	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,30
Sand, fine (0,063 mm - 0,200 mm):	42,51
Sand, medium (0,2 mm - 0,6 mm):	55,91
Sand, coarse (0,6 mm - 2 mm):	0,05
Gravel (> 2 mm):	0,22
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,31	1,70
16%	84%	0,24	2,04
25%	75%	0,23	2,10
40%	60%	0,22	2,20
Median 50%	50%	0,21	2,27
75%	25%	0,18	2,48
84%	16%	0,16	2,67
90%	10%	0,14	2,81
95%	5%	0,13	2,94

Moments Statistics

Mean	2,33
Sorting	0,34
Skewness	0,16
Kurtosis	1,31
Uniformity Coefficient	1,52

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

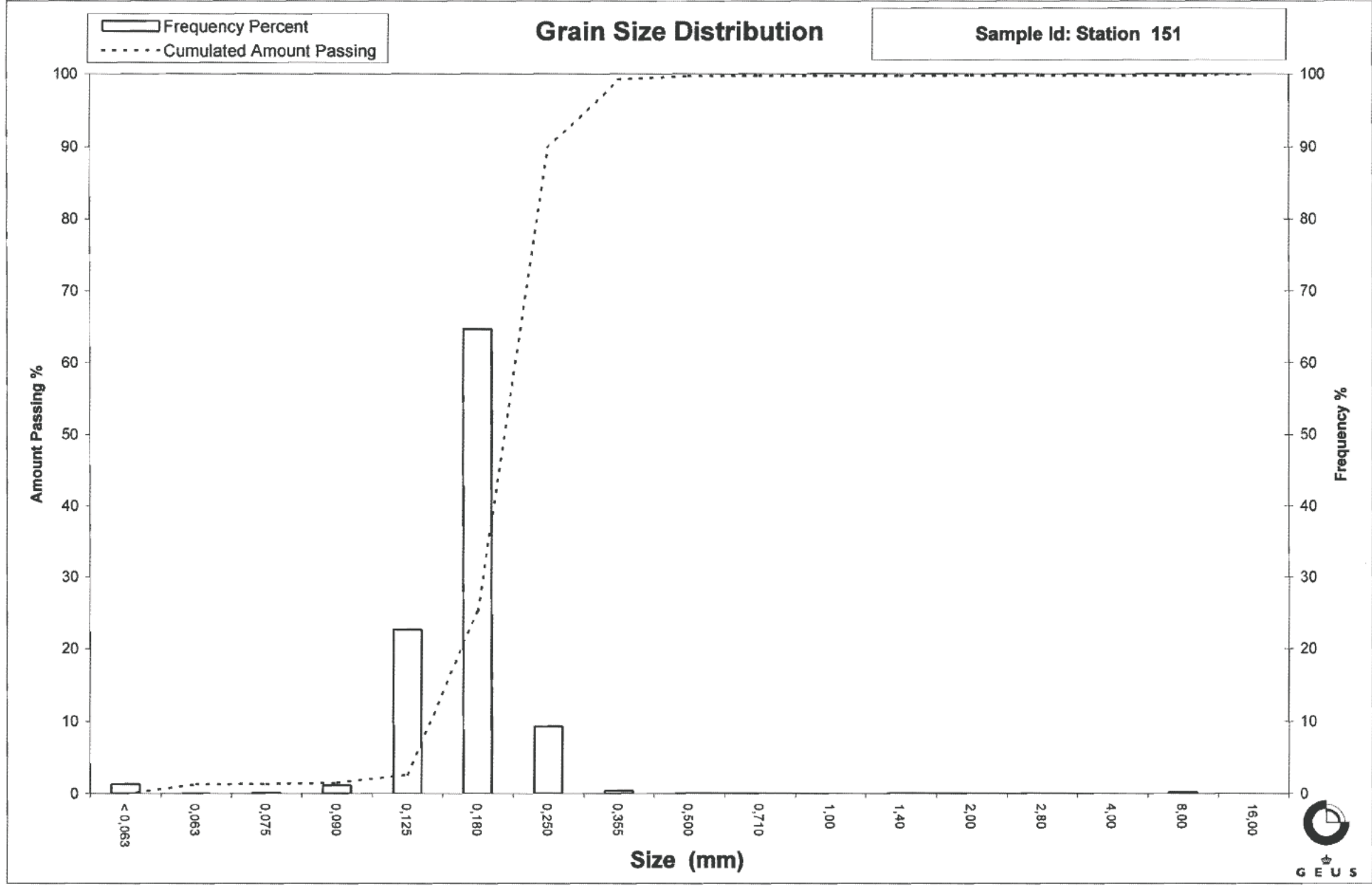
Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 152
Lab. Id: 060664
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,66 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,01	0,01	99,99
2,00	-1,00	0,00	0,00	99,99
1,40	-0,49	0,00	0,00	99,99
1,00	0,00	0,01	0,01	99,98
0,710	0,49	0,02	0,02	99,96
0,500	1,00	0,01	0,01	99,95
0,355	1,49	0,21	0,19	99,76
0,250	2,00	5,60	5,11	94,66
0,180	2,47	65,82	60,02	34,63
0,125	3,00	34,34	31,31	3,32
0,090	3,47	2,16	1,97	1,35
0,075	3,74	0,22	0,20	1,15
0,063	3,99	0,07	0,06	1,09
< 0,063	> 3,99	1,19	1,09	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,09
Sand, fine (0,063 mm - 0,200 mm):	50,70
Sand, medium (0,2 mm - 0,6 mm):	48,18
Sand, coarse (0,6 mm - 2 mm):	0,03
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,26	1,96
16%	84%	0,24	2,07
25%	75%	0,23	2,14
40%	60%	0,21	2,25
Median 50%	50%	0,20	2,34
75%	25%	0,16	2,62
84%	16%	0,15	2,76
90%	10%	0,14	2,87
95%	5%	0,13	2,97

Moments Statistics

Mean	2,39
Sorting	0,32
Skewness	0,24
Kurtosis	0,86
Uniformity Coefficient	1,53

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

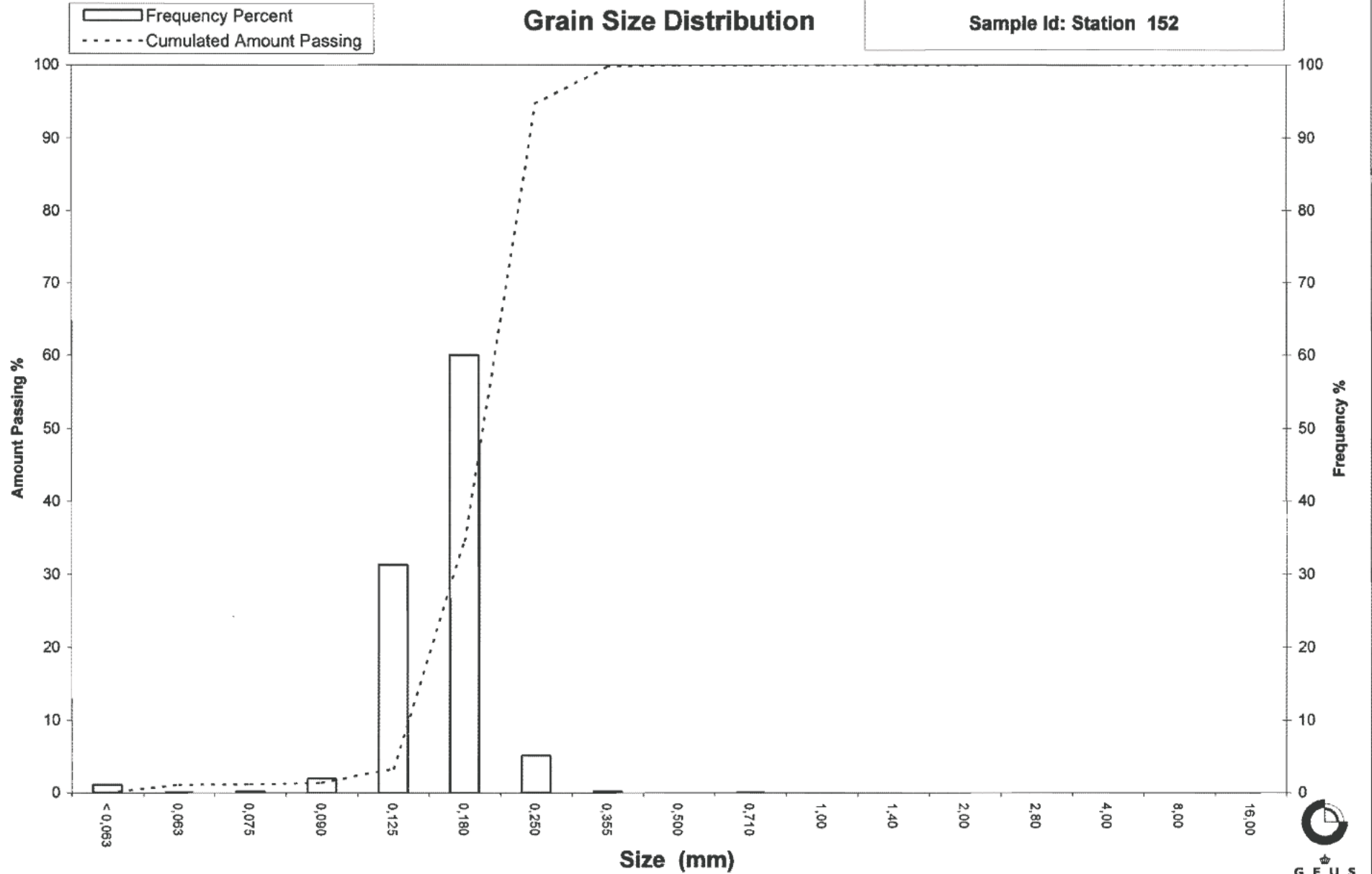
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 152



Grain Size Distribution

Geotechnical

Sample Id: Station 153
Lab. Id: 060665
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,83 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,01	0,01	99,99
1,00	0,00	0,02	0,02	99,97
0,710	0,49	0,01	0,01	99,96
0,500	1,00	0,04	0,04	99,92
0,355	1,49	0,19	0,18	99,74
0,250	2,00	5,70	5,44	94,31
0,180	2,47	61,66	58,82	35,49
0,125	3,00	33,09	31,57	3,92
0,090	3,47	2,42	2,31	1,61
0,075	3,74	0,36	0,34	1,27
0,063	3,99	0,14	0,13	1,14
< 0,063	> 3,99	1,19	1,14	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,14
Sand, fine (0,063 mm - 0,200 mm):	51,16
Sand, medium (0,2 mm - 0,6 mm):	47,65
Sand, coarse (0,6 mm - 2 mm):	0,06
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,26	1,92
16%	84%	0,24	2,07
25%	75%	0,23	2,14
40%	60%	0,21	2,26
Median 50%	50%	0,20	2,34
75%	25%	0,16	2,63
84%	16%	0,15	2,78
90%	10%	0,14	2,88
95%	5%	0,13	2,98

Moments Statistics

Mean	2,40
Sorting	0,34
Skewness	0,22
Kurtosis	0,88
Uniformity Coefficient	1,54

The analysis is executed according to DS 405.9
 extended by sieves to the ½ phi scale

Size Classes and Percentiles
 are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

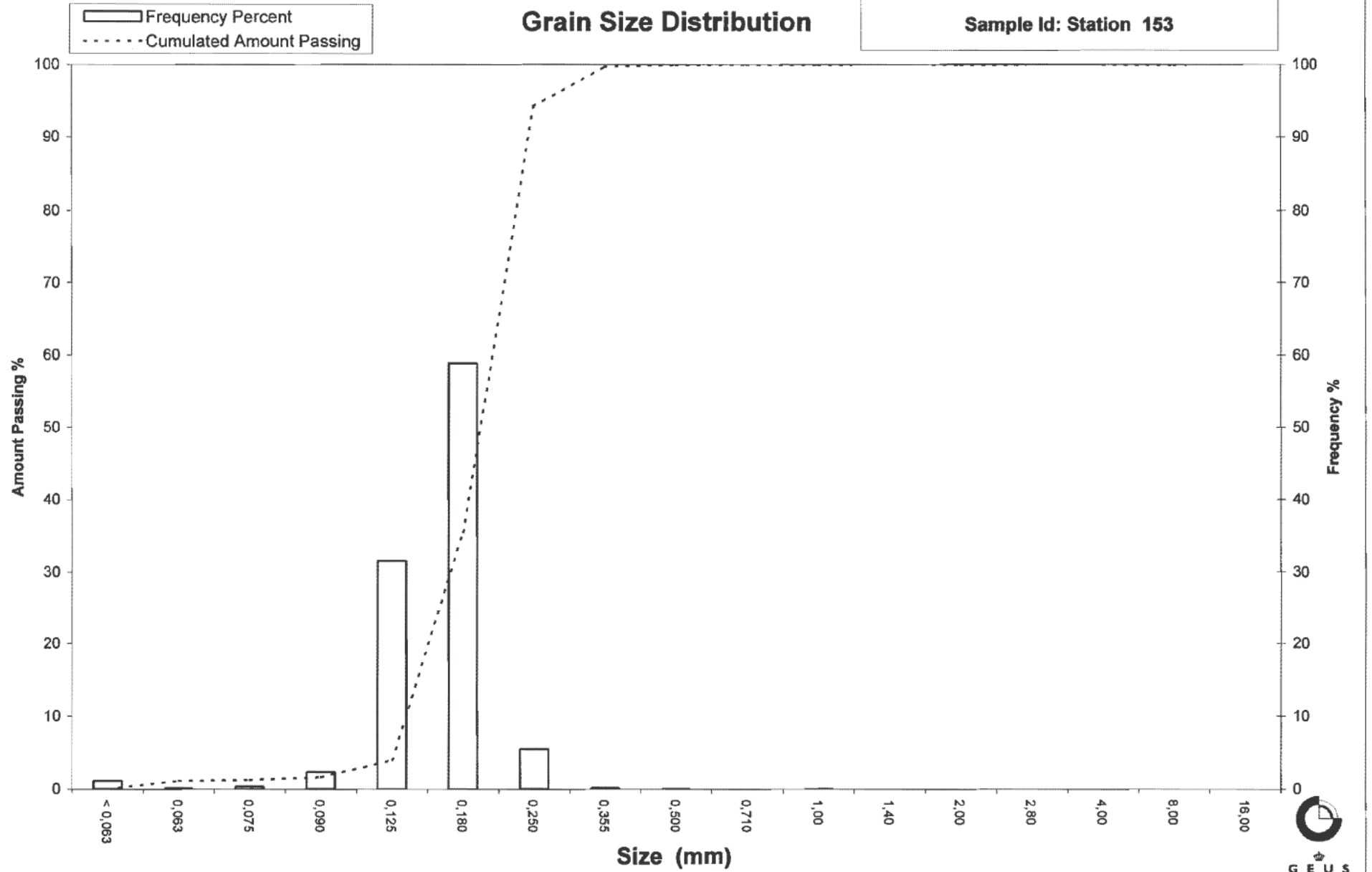
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on
 "Amount in sieve". Uniformity coefficient is based on
 "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 153



Grain Size Distribution

Geotechnical

Sample Id: Station 154
Lab. Id: 060666
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,51 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,01	0,01	99,99
1,40	-0,49	0,00	0,00	99,99
1,00	0,00	0,05	0,05	99,95
0,710	0,49	0,01	0,01	99,94
0,500	1,00	0,03	0,03	99,91
0,355	1,49	0,47	0,43	99,48
0,250	2,00	7,90	7,21	92,27
0,180	2,47	67,80	61,91	30,35
0,125	3,00	30,07	27,46	2,89
0,090	3,47	1,64	1,50	1,40
0,075	3,74	0,19	0,17	1,22
0,063	3,99	0,08	0,07	1,15
< 0,063	> 3,99	1,26	1,15	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,15
Sand, fine (0,063 mm - 0,200 mm):	46,89
Sand, medium (0,2 mm - 0,6 mm):	51,88
Sand, coarse (0,6 mm - 2 mm):	0,07
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,29	1,79
16%	84%	0,24	2,05
25%	75%	0,23	2,12
40%	60%	0,21	2,23
Median 50%	50%	0,20	2,31
75%	25%	0,17	2,56
84%	16%	0,15	2,72
90%	10%	0,14	2,84
95%	5%	0,13	2,95

Moments Statistics

Mean	2,36
Sorting	0,34
Skewness	0,18
Kurtosis	1,07
Uniformity Coefficient	1,53

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

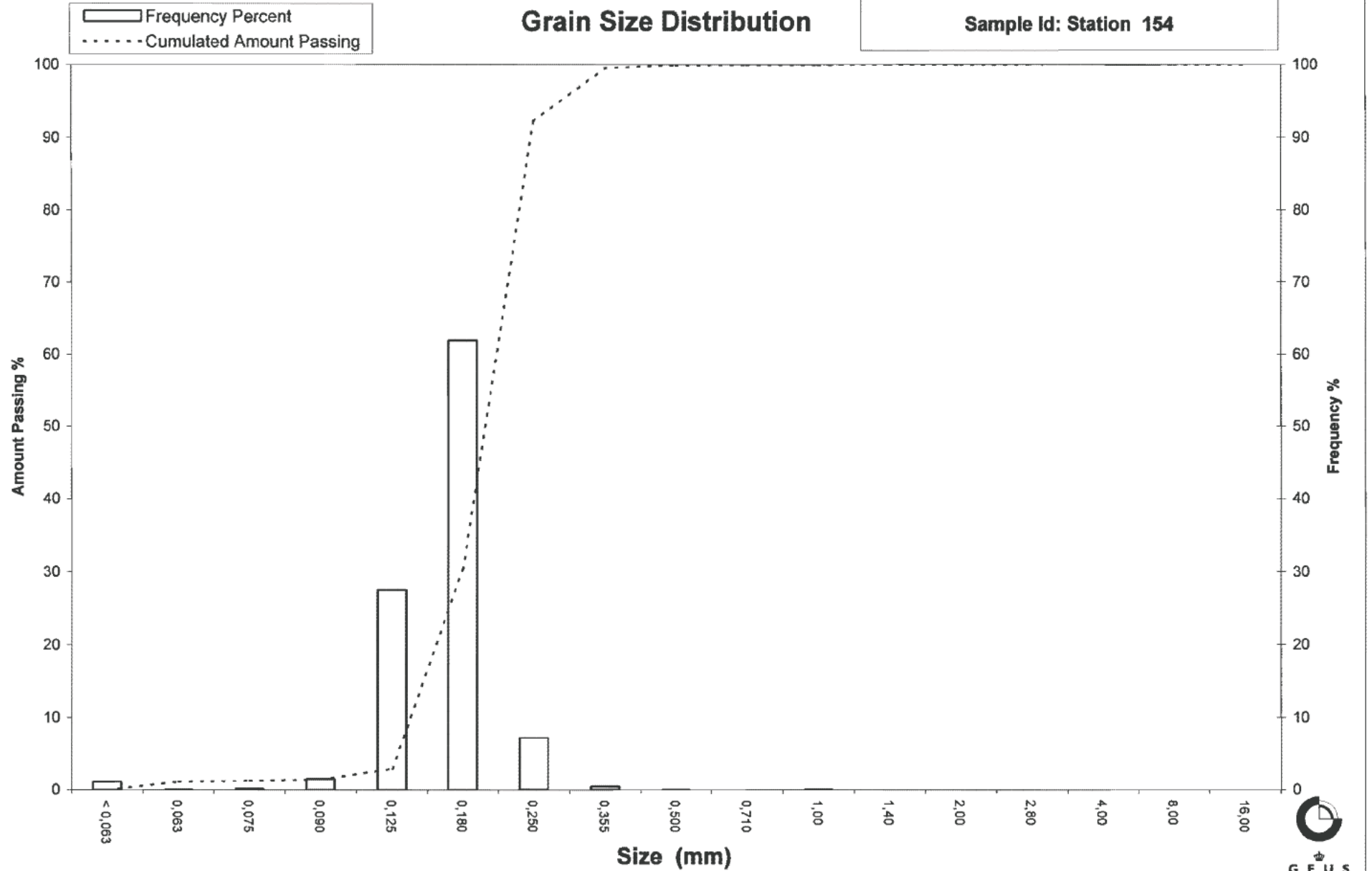
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 154



Grain Size Distribution

Geotechnical

Sample Id: Station 155
Lab. Id: 060667
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 100,08 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,02	0,02	99,98
1,00	0,00	0,04	0,04	99,94
0,710	0,49	0,03	0,03	99,91
0,500	1,00	0,03	0,03	99,88
0,355	1,49	0,26	0,26	99,62
0,250	2,00	7,30	7,29	92,33
0,180	2,47	61,67	61,62	30,71
0,125	3,00	28,47	28,45	2,26
0,090	3,47	1,50	1,50	0,76
0,075	3,74	0,19	0,19	0,57
0,063	3,99	0,08	0,08	0,49
< 0,063	> 3,99	0,49	0,49	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,49
Sand, fine (0,063 mm - 0,200 mm):	47,82
Sand, medium (0,2 mm - 0,6 mm):	51,58
Sand, coarse (0,6 mm - 2 mm):	0,11
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,29	1,79
16%	84%	0,24	2,06
25%	75%	0,23	2,12
40%	60%	0,21	2,23
Median 50%	50%	0,20	2,31
75%	25%	0,17	2,57
84%	16%	0,15	2,72
90%	10%	0,14	2,84
95%	5%	0,13	2,94

Moments Statistics

Mean	2,36
Sorting	0,34
Skewness	0,17
Kurtosis	1,05
Uniformity Coefficient	1,52

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

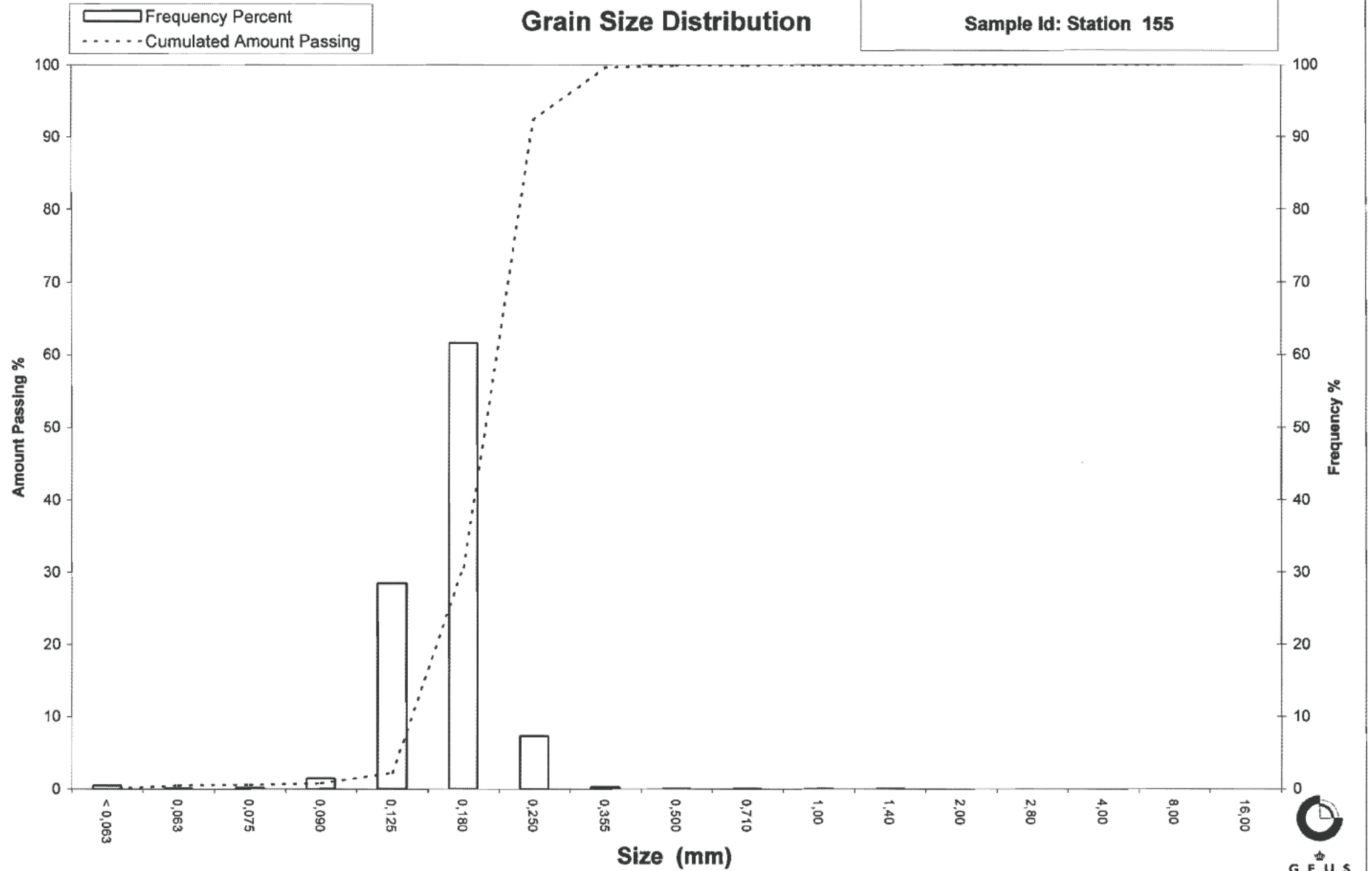
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 155



Grain Size Distribution

Geotechnical

Sample Id: Station 161
Lab. Id: 060668
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 101,78 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,06	0,06	99,94
1,00	0,00	0,02	0,02	99,92
0,710	0,49	0,02	0,02	99,90
0,500	1,00	0,06	0,06	99,84
0,355	1,49	4,24	4,17	95,68
0,250	2,00	72,72	71,45	24,23
0,180	2,47	21,24	20,87	3,36
0,125	3,00	1,93	1,90	1,46
0,090	3,47	0,31	0,30	1,16
0,075	3,74	0,07	0,07	1,09
0,063	3,99	0,04	0,04	1,05
< 0,063	> 3,99	1,07	1,05	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,05
Sand, fine (0,063 mm - 0,200 mm):	8,27
Sand, medium (0,2 mm - 0,6 mm):	90,55
Sand, coarse (0,6 mm - 2 mm):	0,13
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,50
16%	84%	0,34	1,57
25%	75%	0,32	1,62
40%	60%	0,30	1,72
Median 50%	50%	0,29	1,80
75%	25%	0,25	1,99
84%	16%	0,22	2,17
90%	10%	0,20	2,31
95%	5%	0,19	2,43

Moments Statistics

Mean	1,84
Sorting	0,29
Skewness	0,30
Kurtosis	1,03
Uniformity Coefficient	1,50

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

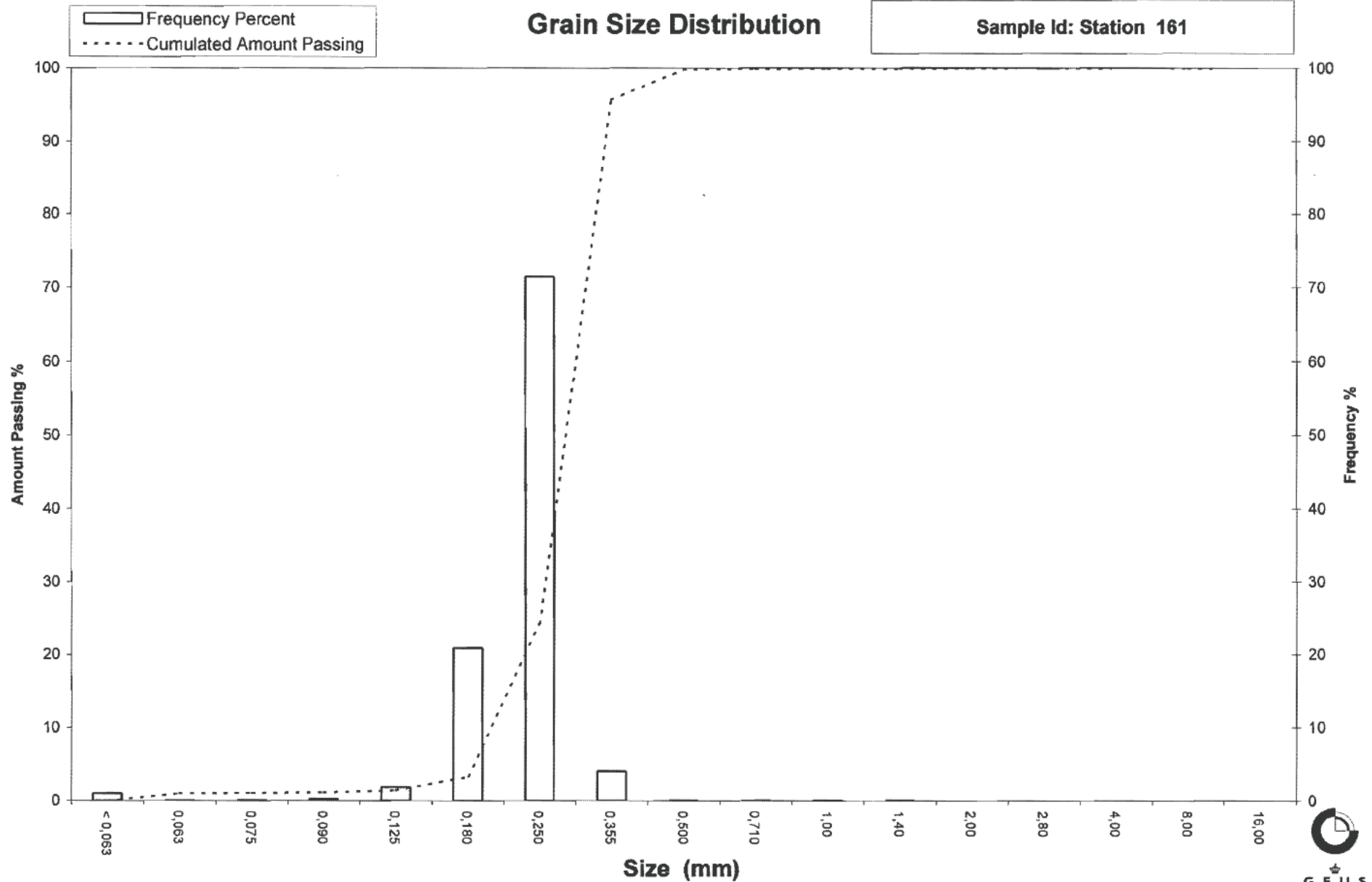
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 161



Grain Size Distribution

Geotechnical

Sample Id: Station 162
Lab. Id: 060669
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,39 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,22	0,21	99,79
1,00	0,00	0,09	0,09	99,71
0,710	0,49	0,08	0,08	99,63
0,500	1,00	0,14	0,13	99,50
0,355	1,49	2,87	2,72	96,77
0,250	2,00	76,74	72,82	23,96
0,180	2,47	21,77	20,66	3,30
0,125	3,00	1,95	1,85	1,45
0,090	3,47	0,34	0,32	1,13
0,075	3,74	0,06	0,06	1,07
0,063	3,99	0,02	0,02	1,05
< 0,063	> 3,99	1,11	1,05	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,05
Sand, fine (0,063 mm - 0,200 mm):	8,15
Sand, medium (0,2 mm - 0,6 mm):	90,36
Sand, coarse (0,6 mm - 2 mm):	0,44
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,50
16%	84%	0,34	1,57
25%	75%	0,32	1,63
40%	60%	0,30	1,73
Median 50%	50%	0,29	1,80
75%	25%	0,25	1,99
84%	16%	0,22	2,16
90%	10%	0,20	2,30
95%	5%	0,19	2,43

Moments Statistics

Mean	1,84
Sorting	0,29
Skewness	0,30
Kurtosis	1,04
Uniformity Coefficient	1,49

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

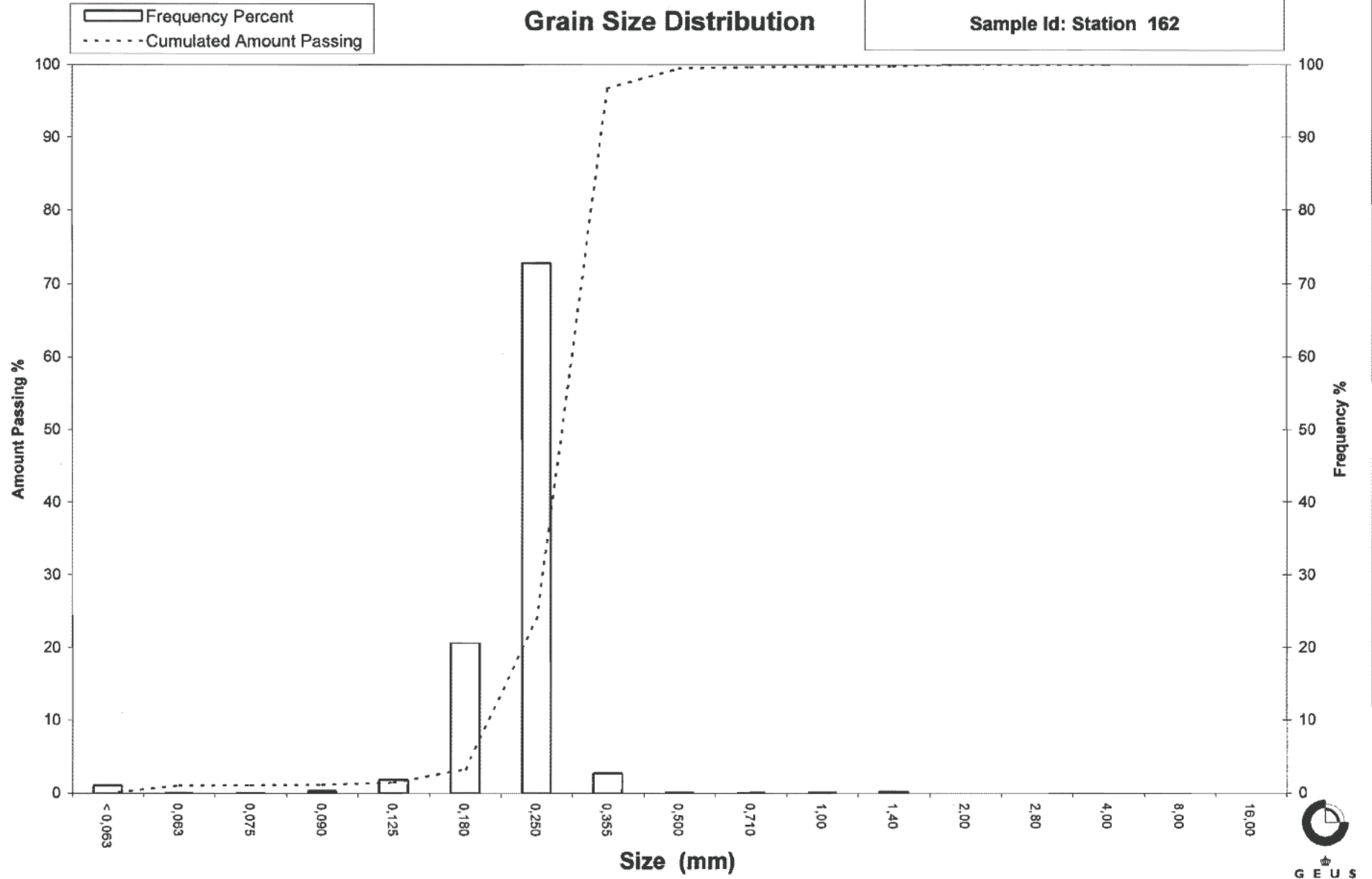
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 162



Grain Size Distribution

Geotechnical

Sample Id: Station 163
Lab. Id: 060670
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,06 g

Size Fractions

Size mm	Size Φ	Weight g	Weight %	Cumulated amount passing %
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,00	0,00	100,00
1,00	0,00	0,02	0,02	99,98
0,710	0,49	0,01	0,01	99,97
0,500	1,00	0,02	0,02	99,95
0,355	1,49	1,80	1,70	98,26
0,250	2,00	68,57	64,65	33,60
0,180	2,47	31,94	30,12	3,49
0,125	3,00	2,13	2,01	1,48
0,090	3,47	0,40	0,38	1,10
0,075	3,74	0,08	0,08	1,03
0,063	3,99	0,05	0,05	0,98
< 0,063	> 3,99	1,04	0,98	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,98
Sand, fine (0,063 mm - 0,200 mm):	11,11
Sand, medium (0,2 mm - 0,6 mm):	87,87
Sand, coarse (0,6 mm - 2 mm):	0,04
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,52
16%	84%	0,33	1,59
25%	75%	0,32	1,66
40%	60%	0,29	1,77
Median 50%	50%	0,28	1,85
75%	25%	0,23	2,12
84%	16%	0,21	2,26
90%	10%	0,20	2,36
95%	5%	0,18	2,45

Moments Statistics

Mean	1,90
Sorting	0,31
Skewness	0,24
Kurtosis	0,82
Uniformity Coefficient	1,50

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

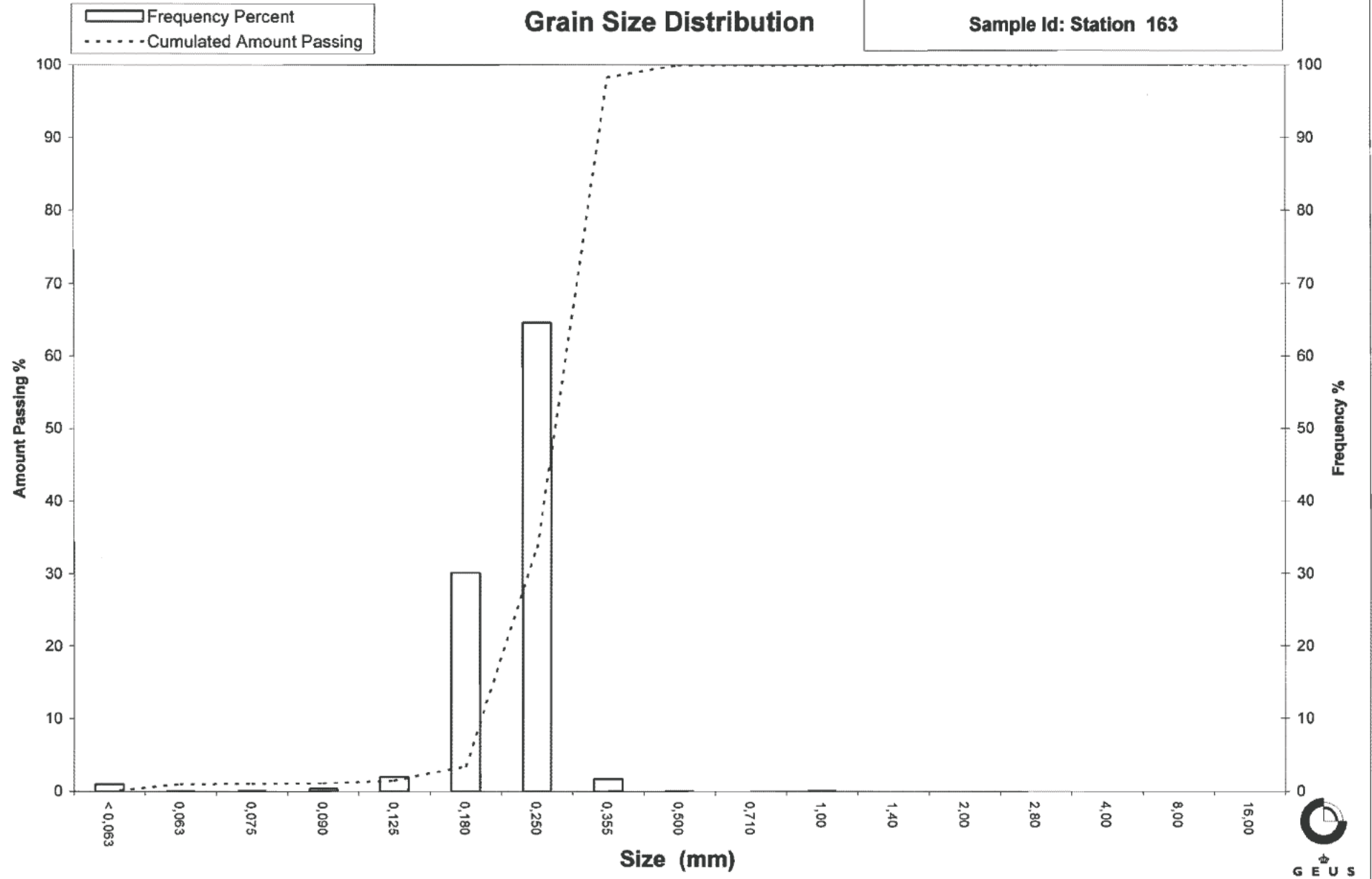
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 163



Grain Size Distribution

Geotechnical

Sample Id: Station 164
Lab. Id: 060671
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,08 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,08	0,08	99,92
1,00	0,00	0,08	0,08	99,85
0,710	0,49	0,05	0,05	99,80
0,500	1,00	0,07	0,07	99,74
0,355	1,49	4,22	3,98	95,76
0,250	2,00	77,08	72,66	23,10
0,180	2,47	21,49	20,26	2,84
0,125	3,00	1,95	1,84	1,00
0,090	3,47	0,34	0,32	0,68
0,075	3,74	0,06	0,06	0,62
0,063	3,99	0,02	0,02	0,60
< 0,063	> 3,99	0,64	0,60	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,60
Sand, fine (0,063 mm - 0,200 mm):	8,02
Sand, medium (0,2 mm - 0,6 mm):	91,14
Sand, coarse (0,6 mm - 2 mm):	0,23
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,50
16%	84%	0,34	1,56
25%	75%	0,33	1,62
40%	60%	0,30	1,72
Median 50%	50%	0,29	1,79
75%	25%	0,25	1,98
84%	16%	0,23	2,15
90%	10%	0,20	2,29
95%	5%	0,19	2,42

Moments Statistics

Mean	1,84
Sorting	0,28
Skewness	0,29
Kurtosis	1,04
Uniformity Coefficient	1,48

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

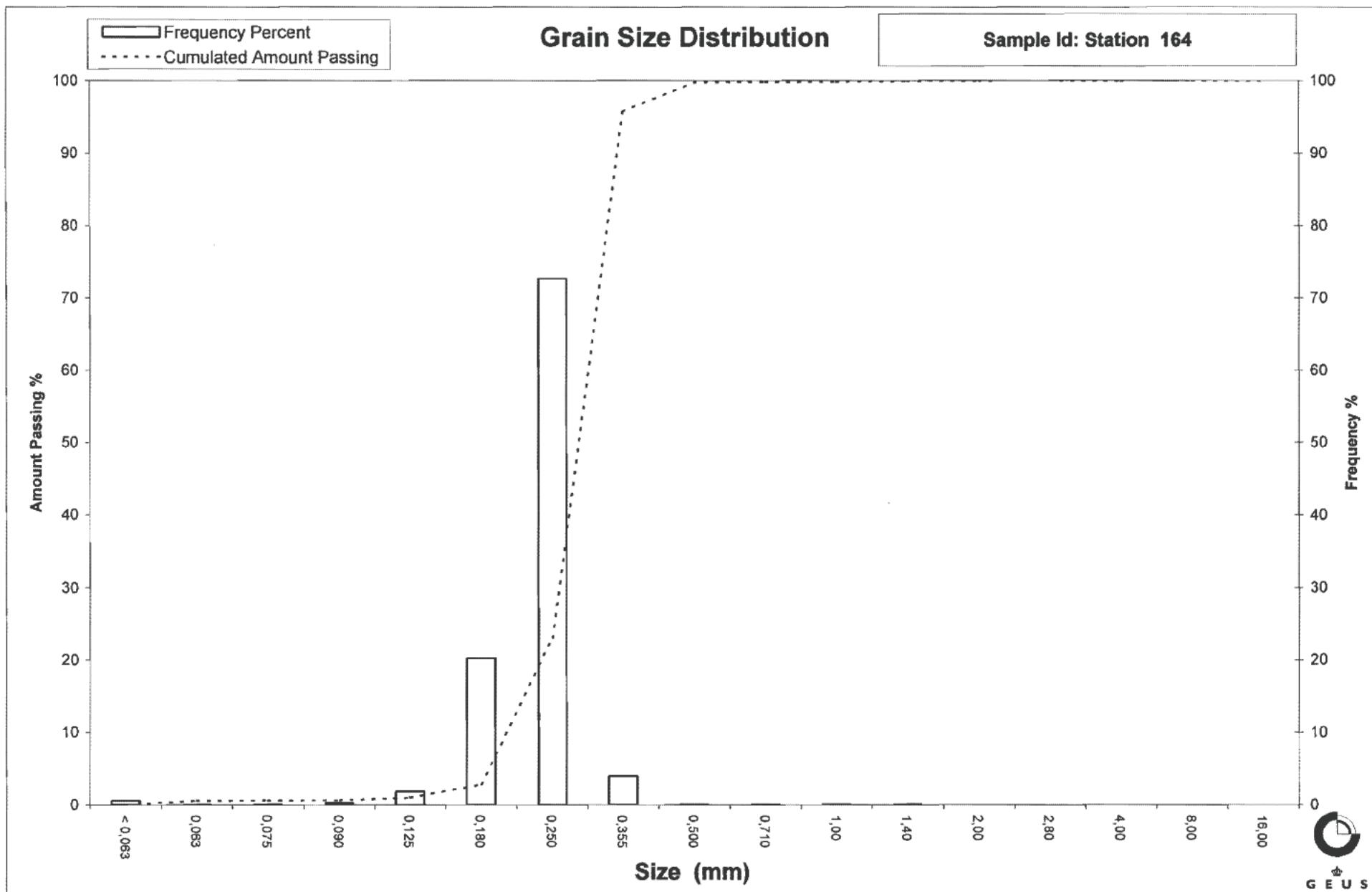
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 165
Lab. Id: 060672
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,74 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,02	0,02	99,98
1,00	0,00	0,03	0,03	99,95
0,710	0,49	0,01	0,01	99,94
0,500	1,00	0,11	0,10	99,84
0,355	1,49	6,64	6,11	93,74
0,250	2,00	71,73	65,96	27,77
0,180	2,47	25,02	23,01	4,76
0,125	3,00	3,06	2,81	1,95
0,090	3,47	0,72	0,66	1,29
0,075	3,74	0,14	0,13	1,16
0,063	3,99	0,07	0,06	1,09
< 0,063	> 3,99	1,19	1,09	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,09
Sand, fine (0,063 mm - 0,200 mm):	10,24
Sand, medium (0,2 mm - 0,6 mm):	88,55
Sand, coarse (0,6 mm - 2 mm):	0,11
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,38	1,38
16%	84%	0,34	1,56
25%	75%	0,33	1,62
40%	60%	0,30	1,73
Median 50%	50%	0,29	1,81
75%	25%	0,24	2,05
84%	16%	0,21	2,22
90%	10%	0,20	2,35
95%	5%	0,18	2,47

Moments Statistics

Mean	1,86
Sorting	0,33
Skewness	0,23
Kurtosis	1,04
Uniformity Coefficient	1,54

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

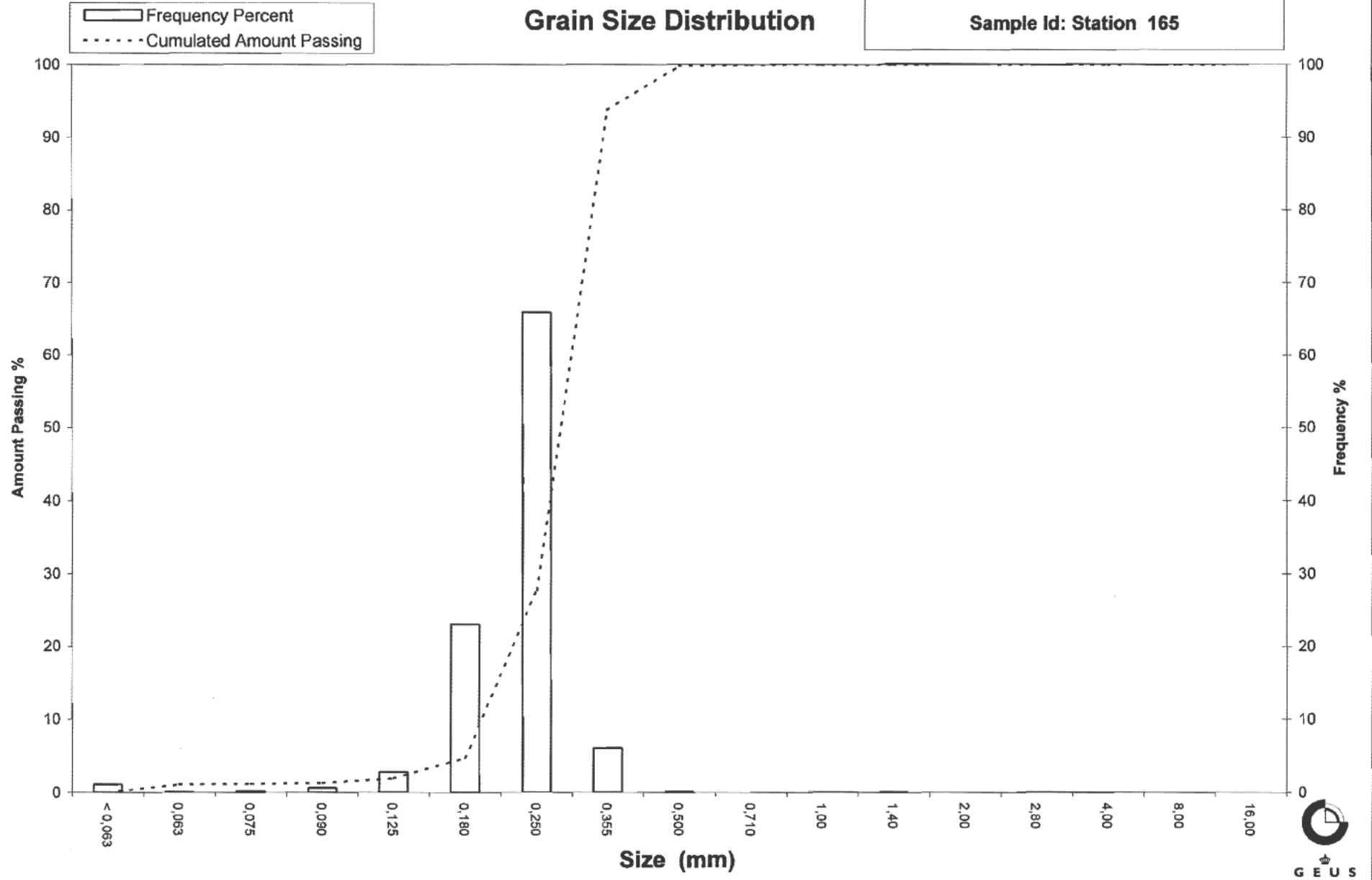
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 165



Grain Size Distribution

Geotechnical

Sample Id: Station 171
Lab. Id: 060673
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 100,56 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,00	0,00	100,00
1,00	0,00	0,15	0,15	99,85
0,710	0,49	0,01	0,01	99,84
0,500	1,00	0,02	0,02	99,82
0,355	1,49	0,92	0,91	98,91
0,250	2,00	62,12	61,77	37,13
0,180	2,47	34,42	34,23	2,90
0,125	3,00	1,77	1,76	1,14
0,090	3,47	0,12	0,12	1,02
0,075	3,74	0,02	0,02	1,00
0,063	3,99	0,02	0,02	0,98
< 0,063	> 3,99	0,99	0,98	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,98
Sand, fine (0,063 mm - 0,200 mm):	11,70
Sand, medium (0,2 mm - 0,6 mm):	87,15
Sand, coarse (0,6 mm - 2 mm):	0,17
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,52
16%	84%	0,33	1,60
25%	75%	0,31	1,67
40%	60%	0,29	1,79
Median 50%	50%	0,27	1,88
75%	25%	0,23	2,15
84%	16%	0,21	2,27
90%	10%	0,19	2,36
95%	5%	0,18	2,44

Moments Statistics

Mean	1,92
Sorting	0,31
Skewness	0,20
Kurtosis	0,78
Uniformity Coefficient	1,49

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

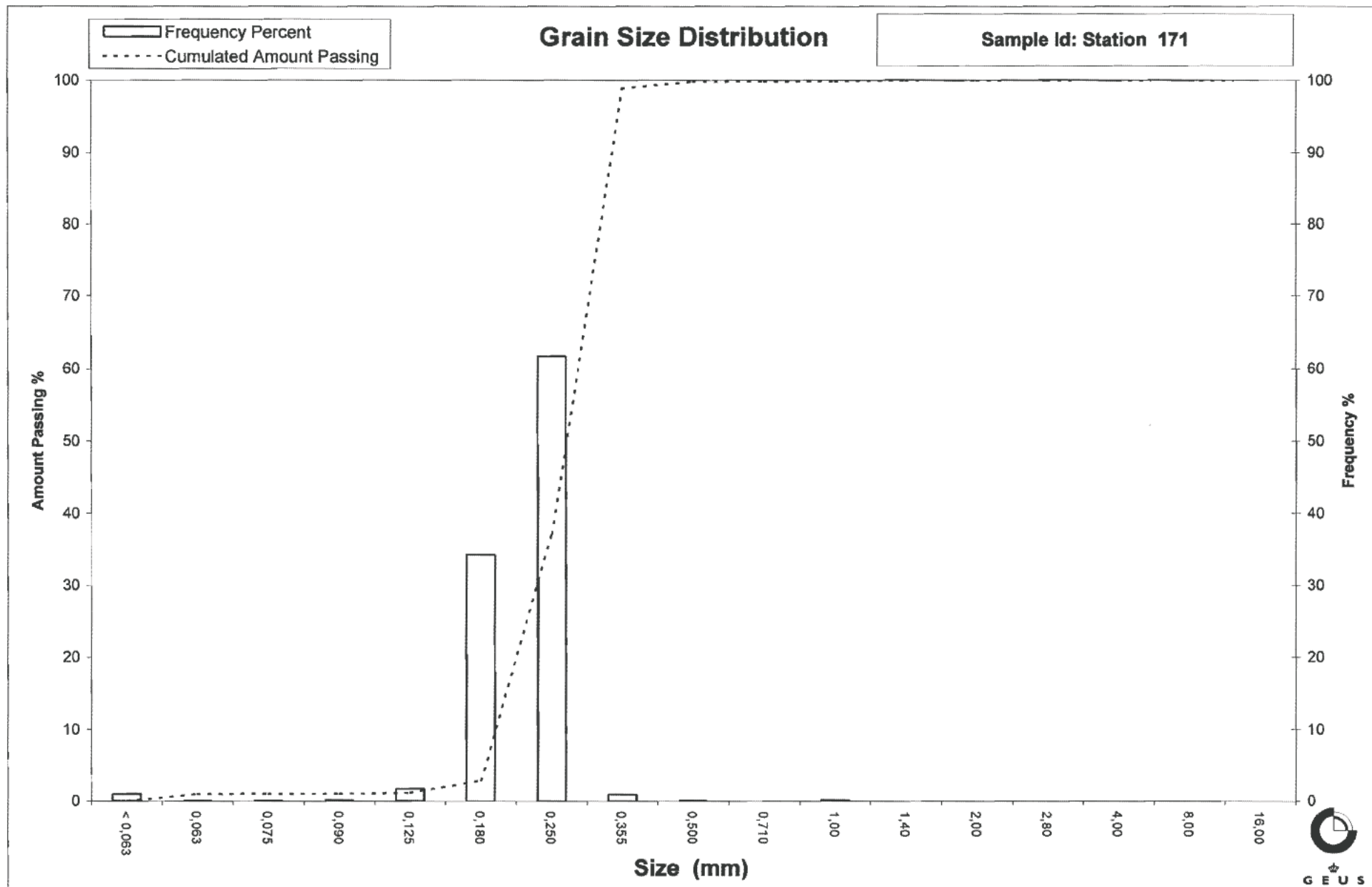
Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 172
Lab. Id: 060674
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,71 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,00	0,00	100,00
1,00	0,00	0,05	0,05	99,95
0,710	0,49	0,03	0,03	99,92
0,500	1,00	0,02	0,02	99,90
0,355	1,49	0,63	0,58	99,32
0,250	2,00	65,63	60,37	38,95
0,180	2,47	40,05	36,84	2,11
0,125	3,00	1,18	1,09	1,03
0,090	3,47	0,05	0,05	0,98
0,075	3,74	0,01	0,01	0,97
0,063	3,99	0,02	0,02	0,95
< 0,063	> 3,99	1,04	0,95	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,95
Sand, fine (0,063 mm - 0,200 mm):	11,69
Sand, medium (0,2 mm - 0,6 mm):	87,28
Sand, coarse (0,6 mm - 2 mm):	0,09
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,53
16%	84%	0,33	1,61
25%	75%	0,31	1,68
40%	60%	0,29	1,80
Median 50%	50%	0,27	1,89
75%	25%	0,22	2,16
84%	16%	0,21	2,28
90%	10%	0,19	2,36
95%	5%	0,19	2,43

Moments Statistics

Mean	1,93
Sorting	0,30
Skewness	0,17
Kurtosis	0,77
Uniformity Coefficient	1,47

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

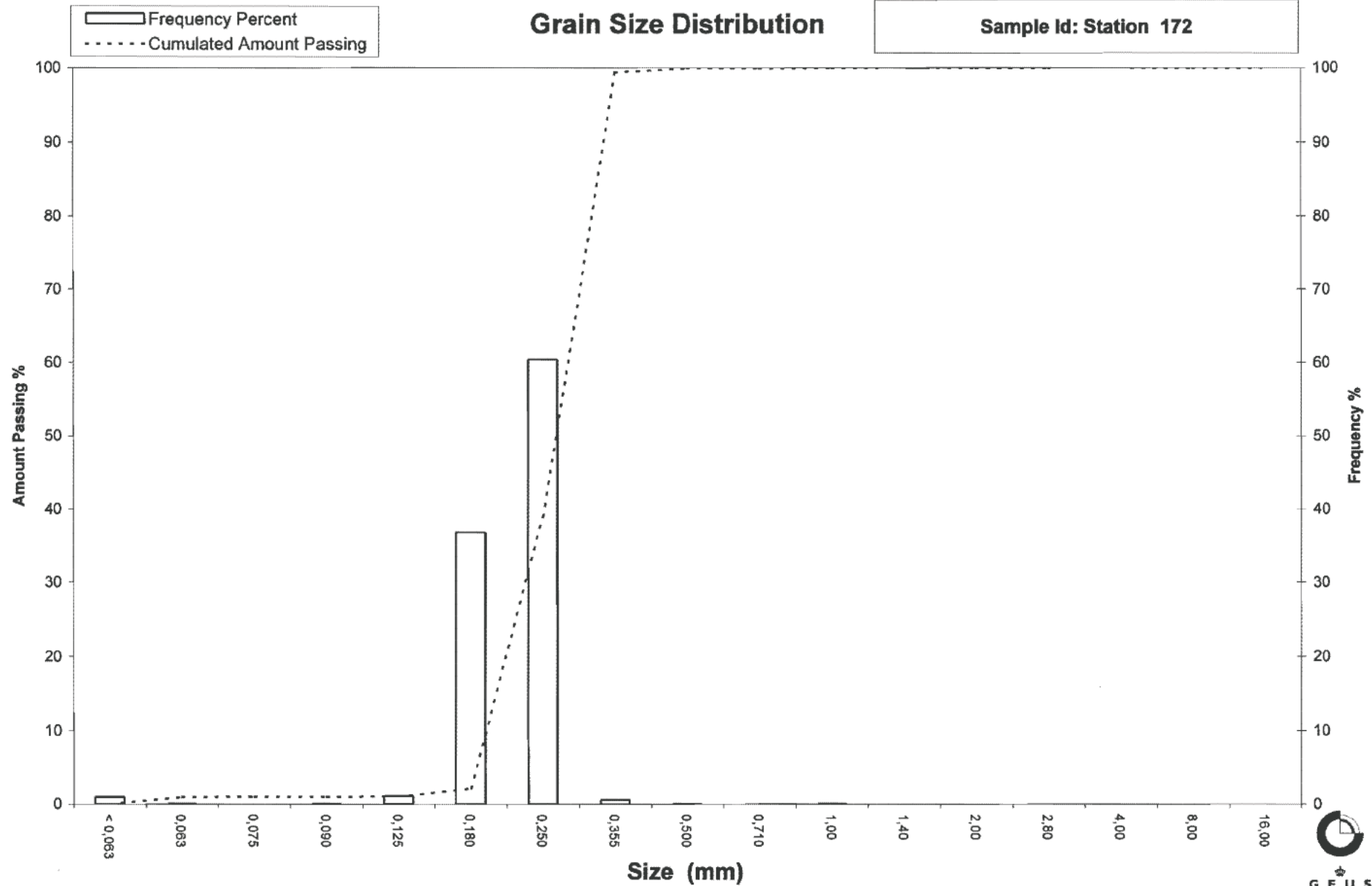
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 172



Grain Size Distribution

Geotechnical

Sample Id: Station 173
Lab. Id: 060675
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 100,18 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,01	0,01	99,99
1,00	0,00	0,01	0,01	99,98
0,710	0,49	0,02	0,02	99,96
0,500	1,00	0,01	0,01	99,95
0,355	1,49	0,83	0,83	99,12
0,250	2,00	58,42	58,32	40,81
0,180	2,47	37,38	37,31	3,49
0,125	3,00	2,30	2,30	1,20
0,090	3,47	0,16	0,16	1,04
0,075	3,74	0,03	0,03	1,01
0,063	3,99	0,02	0,02	0,99
< 0,063	> 3,99	0,99	0,99	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,99
Sand, fine (0,063 mm - 0,200 mm):	13,17
Sand, medium (0,2 mm - 0,6 mm):	85,80
Sand, coarse (0,6 mm - 2 mm):	0,05
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,52
16%	84%	0,33	1,61
25%	75%	0,31	1,68
40%	60%	0,28	1,81
Median 50%	50%	0,27	1,91
75%	25%	0,22	2,18
84%	16%	0,20	2,30
90%	10%	0,19	2,38
95%	5%	0,18	2,45

Moments Statistics

Mean	1,94
Sorting	0,31
Skewness	0,15
Kurtosis	0,76
Uniformity Coefficient	1,48

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

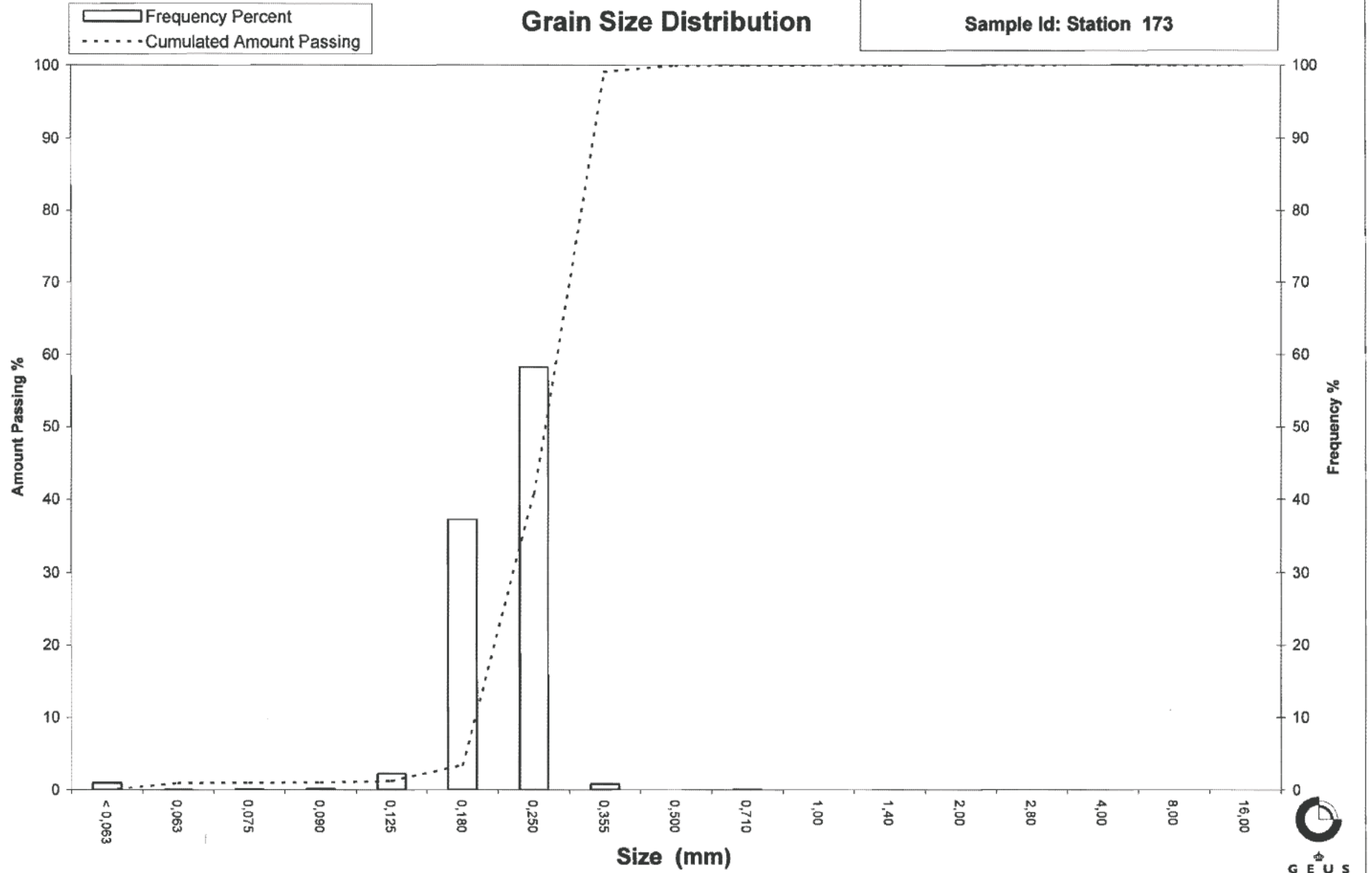
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 173



Grain Size Distribution

Geotechnical

Sample Id: Station 174
Lab. Id: 060676
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 107,13 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,06	0,06	99,94
1,00	0,00	0,02	0,02	99,93
0,710	0,49	0,02	0,02	99,91
0,500	1,00	0,05	0,05	99,86
0,355	1,49	1,18	1,10	98,76
0,250	2,00	70,18	65,51	33,25
0,180	2,47	32,61	30,44	2,81
0,125	3,00	2,01	1,88	0,93
0,090	3,47	0,15	0,14	0,79
0,075	3,74	0,02	0,02	0,77
0,063	3,99	0,01	0,01	0,77
< 0,063	> 3,99	0,82	0,77	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,77
Sand, fine (0,063 mm - 0,200 mm):	10,74
Sand, medium (0,2 mm - 0,6 mm):	88,38
Sand, coarse (0,6 mm - 2 mm):	0,12
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,52
16%	84%	0,33	1,59
25%	75%	0,32	1,66
40%	60%	0,29	1,77
Median 50%	50%	0,28	1,85
75%	25%	0,23	2,11
84%	16%	0,21	2,25
90%	10%	0,20	2,35
95%	5%	0,19	2,43

Moments Statistics

Mean	1,90
Sorting	0,30
Skewness	0,24
Kurtosis	0,82
Uniformity Coefficient	1,49

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

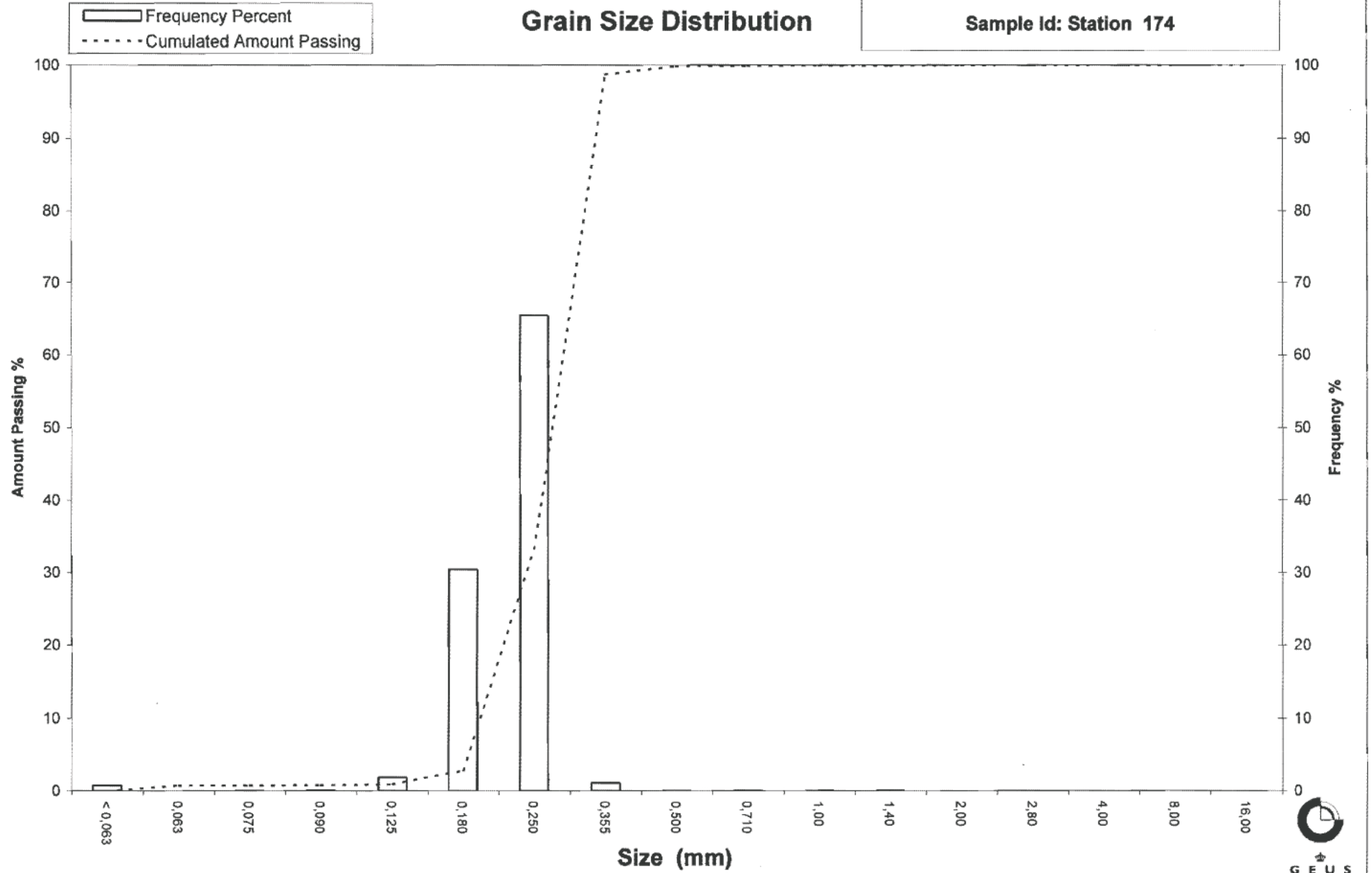
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 174



Grain Size Distribution

Geotechnical

Sample Id: Station 175
Lab. Id: 060677
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,57 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,17	0,16	99,84
1,00	0,00	0,13	0,12	99,72
0,710	0,49	0,09	0,08	99,64
0,500	1,00	0,08	0,07	99,57
0,355	1,49	0,67	0,62	98,95
0,250	2,00	71,64	65,99	32,96
0,180	2,47	32,87	30,28	2,69
0,125	3,00	1,57	1,45	1,24
0,090	3,47	0,10	0,09	1,15
0,075	3,74	0,02	0,02	1,13
0,063	3,99	0,01	0,01	1,12
< 0,063	> 3,99	1,22	1,12	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,12
Sand, fine (0,063 mm - 0,200 mm):	10,22
Sand, medium (0,2 mm - 0,6 mm):	88,26
Sand, coarse (0,6 mm - 2 mm):	0,40
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,52
16%	84%	0,33	1,59
25%	75%	0,32	1,66
40%	60%	0,29	1,77
Median 50%	50%	0,28	1,85
75%	25%	0,23	2,11
84%	16%	0,21	2,25
90%	10%	0,20	2,34
95%	5%	0,19	2,43

Moments Statistics

Mean	1,90
Sorting	0,30
Skewness	0,24
Kurtosis	0,83
Uniformity Coefficient	1,49

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

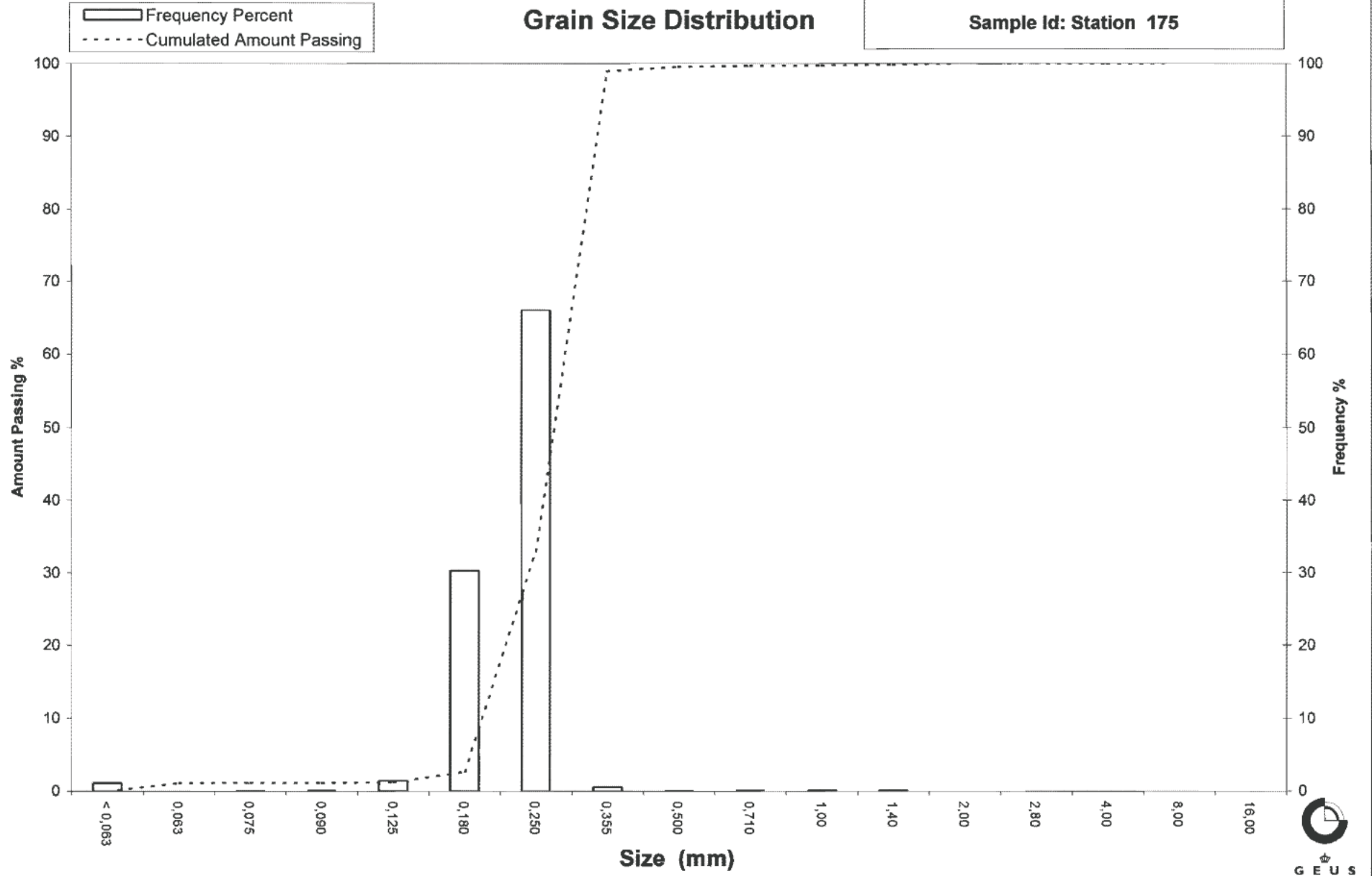
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 175



Grain Size Distribution

Geotechnical

Sample Id: Station 181
Lab. Id: 060678
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 102,04 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,01	0,01	99,99
1,00	0,00	0,02	0,02	99,97
0,710	0,49	0,03	0,03	99,94
0,500	1,00	0,05	0,05	99,89
0,355	1,49	0,08	0,08	99,81
0,250	2,00	26,08	25,56	74,26
0,180	2,47	71,37	69,94	4,31
0,125	3,00	3,22	3,16	1,16
0,090	3,47	0,08	0,08	1,08
0,075	3,74	0,02	0,02	1,06
0,063	3,99	0,01	0,01	1,05
< 0,063	> 3,99	1,07	1,05	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,05
Sand, fine (0,063 mm - 0,200 mm):	23,25
Sand, medium (0,2 mm - 0,6 mm):	75,62
Sand, coarse (0,6 mm - 2 mm):	0,08
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,34	1,58
16%	84%	0,29	1,79
25%	75%	0,25	1,98
40%	60%	0,24	2,08
Median 50%	50%	0,23	2,15
75%	25%	0,20	2,32
84%	16%	0,19	2,38
90%	10%	0,19	2,43
95%	5%	0,18	2,47

Moments Statistics

Mean	2,11
Sorting	0,28
Skewness	-0,25
Kurtosis	1,09
Uniformity Coefficient	1,27

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

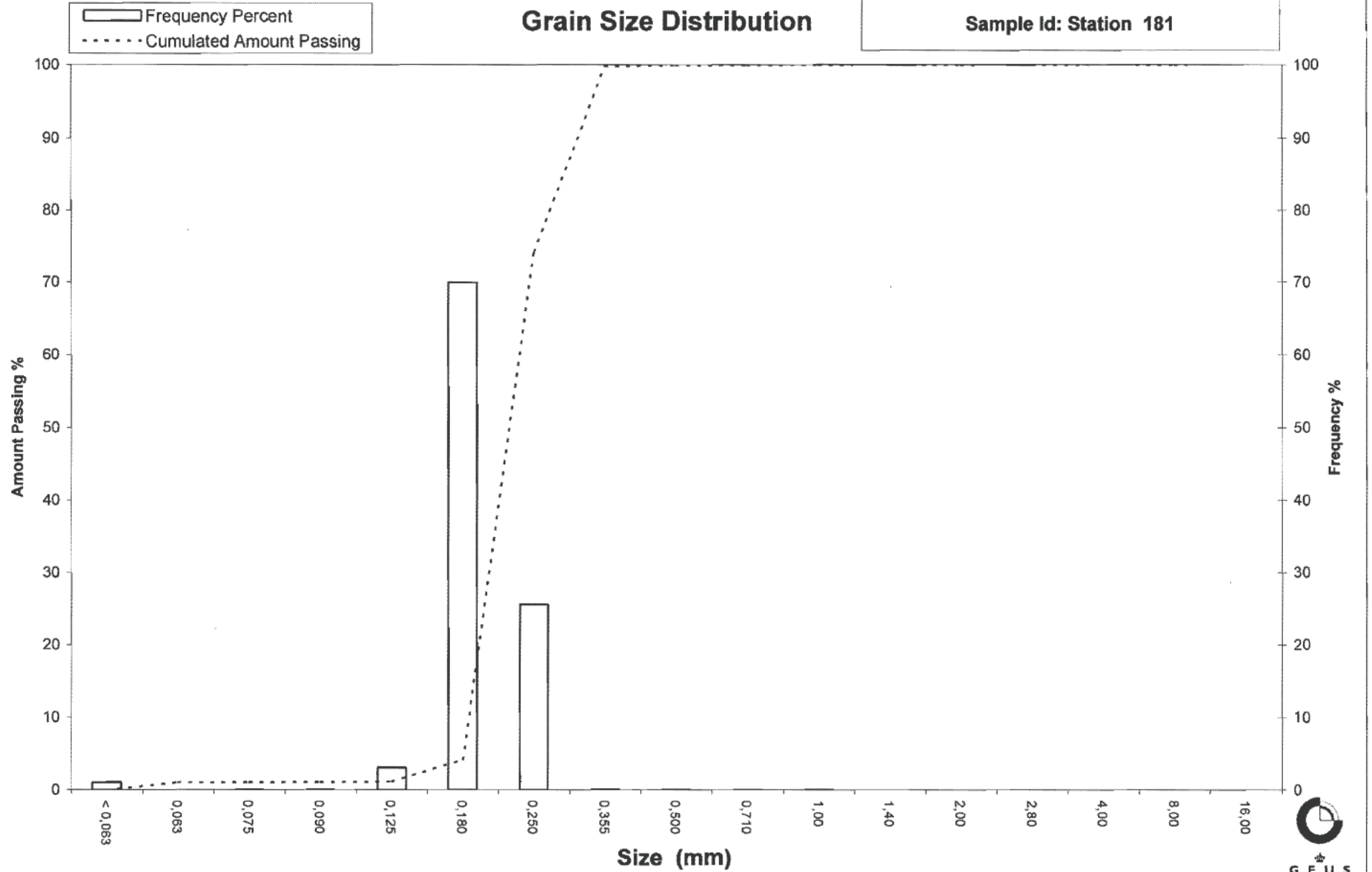
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 181



Grain Size Distribution

Geotechnical

Sample Id: Station 182
Lab. Id: 060679
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 102,84 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,02	99,98
2,00	-1,00	0,00	0,00	99,98
1,40	-0,49	0,00	0,00	99,98
1,00	0,00	0,06	0,06	99,92
0,710	0,49	0,01	0,01	99,91
0,500	1,00	0,02	0,02	99,89
0,355	1,49	0,31	0,30	99,59
0,250	2,00	19,04	18,51	81,08
0,180	2,47	75,69	73,60	7,48
0,125	3,00	6,18	6,01	1,47
0,090	3,47	0,27	0,26	1,21
0,075	3,74	0,02	0,02	1,19
0,063	3,99	0,02	0,02	1,17
< 0,063	> 3,99	1,20	1,17	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,17
Sand, fine (0,063 mm - 0,200 mm):	27,34
Sand, medium (0,2 mm - 0,6 mm):	71,40
Sand, coarse (0,6 mm - 2 mm):	0,08
Gravel (> 2 mm):	0,02
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,33	1,60
16%	84%	0,27	1,91
25%	75%	0,24	2,03
40%	60%	0,23	2,12
Median 50%	50%	0,22	2,18
75%	25%	0,20	2,35
84%	16%	0,19	2,41
90%	10%	0,18	2,45
95%	5%	0,16	2,67

Moments Statistics

Mean	2,17
Sorting	0,29
Skewness	-0,09
Kurtosis	1,40
Uniformity Coefficient	1,26

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

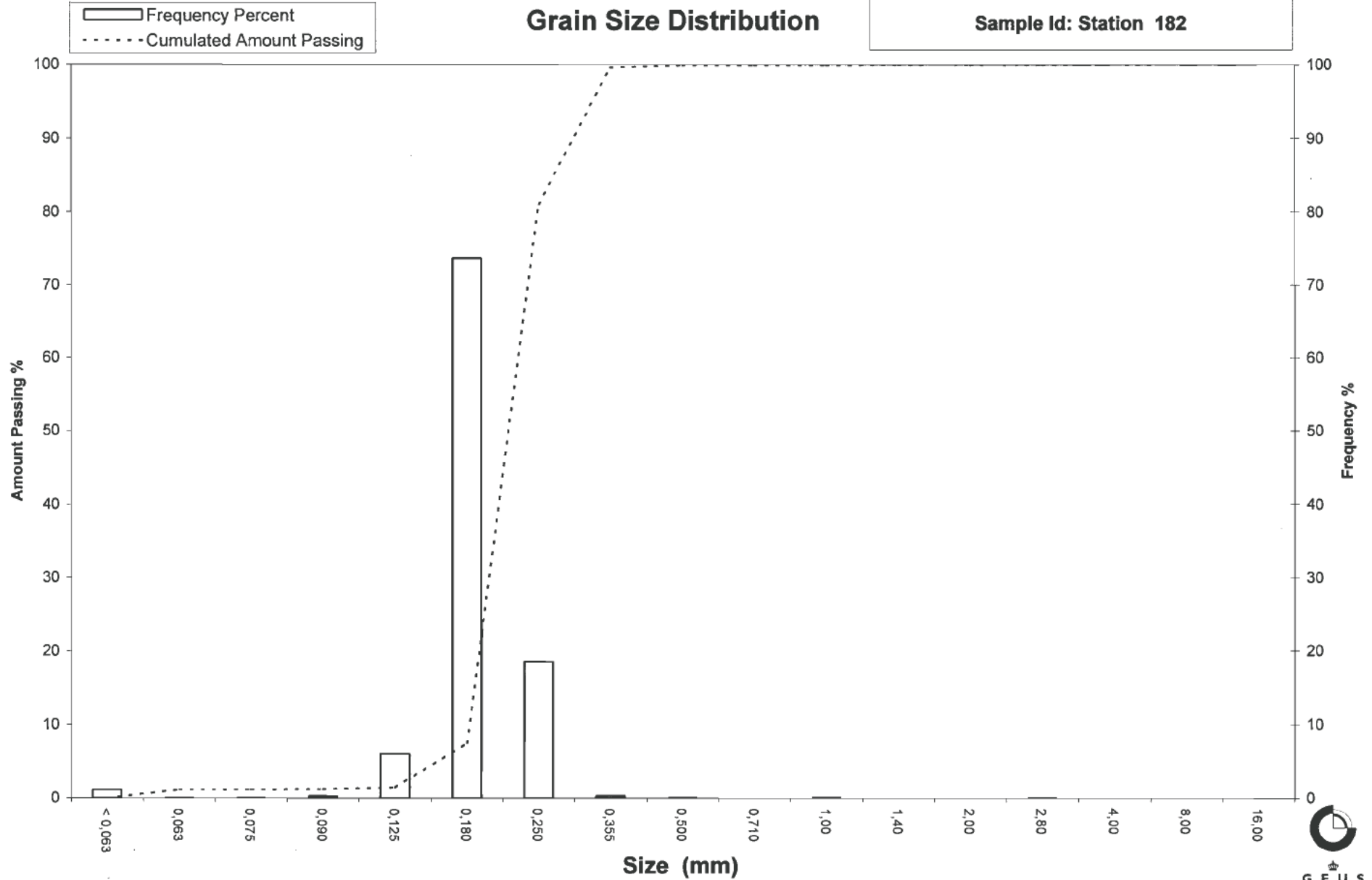
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 182



Grain Size Distribution

Geotechnical

Sample Id: Station 183
Lab. Id: 060680
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,92 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,33	0,32	99,68
2,80	-1,49	0,00	0,00	99,68
2,00	-1,00	0,00	0,00	99,68
1,40	-0,49	0,06	0,06	99,62
1,00	0,00	0,04	0,04	99,59
0,710	0,49	0,03	0,03	99,56
0,500	1,00	0,13	0,13	99,43
0,355	1,49	0,79	0,76	98,67
0,250	2,00	18,49	17,79	80,88
0,180	2,47	72,94	70,19	10,69
0,125	3,00	9,51	9,15	1,54
0,090	3,47	0,53	0,51	1,03
0,075	3,74	0,04	0,04	0,99
0,063	3,99	0,02	0,02	0,97
< 0,063	> 3,99	1,01	0,97	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,97
Sand, fine (0,063 mm - 0,200 mm):	29,77
Sand, medium (0,2 mm - 0,6 mm):	68,75
Sand, coarse (0,6 mm - 2 mm):	0,19
Gravel (> 2 mm):	0,32
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,33	1,58
16%	84%	0,27	1,90
25%	75%	0,24	2,03
40%	60%	0,23	2,13
Median 50%	50%	0,22	2,19
75%	25%	0,19	2,36
84%	16%	0,19	2,43
90%	10%	0,18	2,51
95%	5%	0,15	2,78

Moments Statistics

Mean	2,17
Sorting	0,31
Skewness	-0,05
Kurtosis	1,48
Uniformity Coefficient	1,30

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

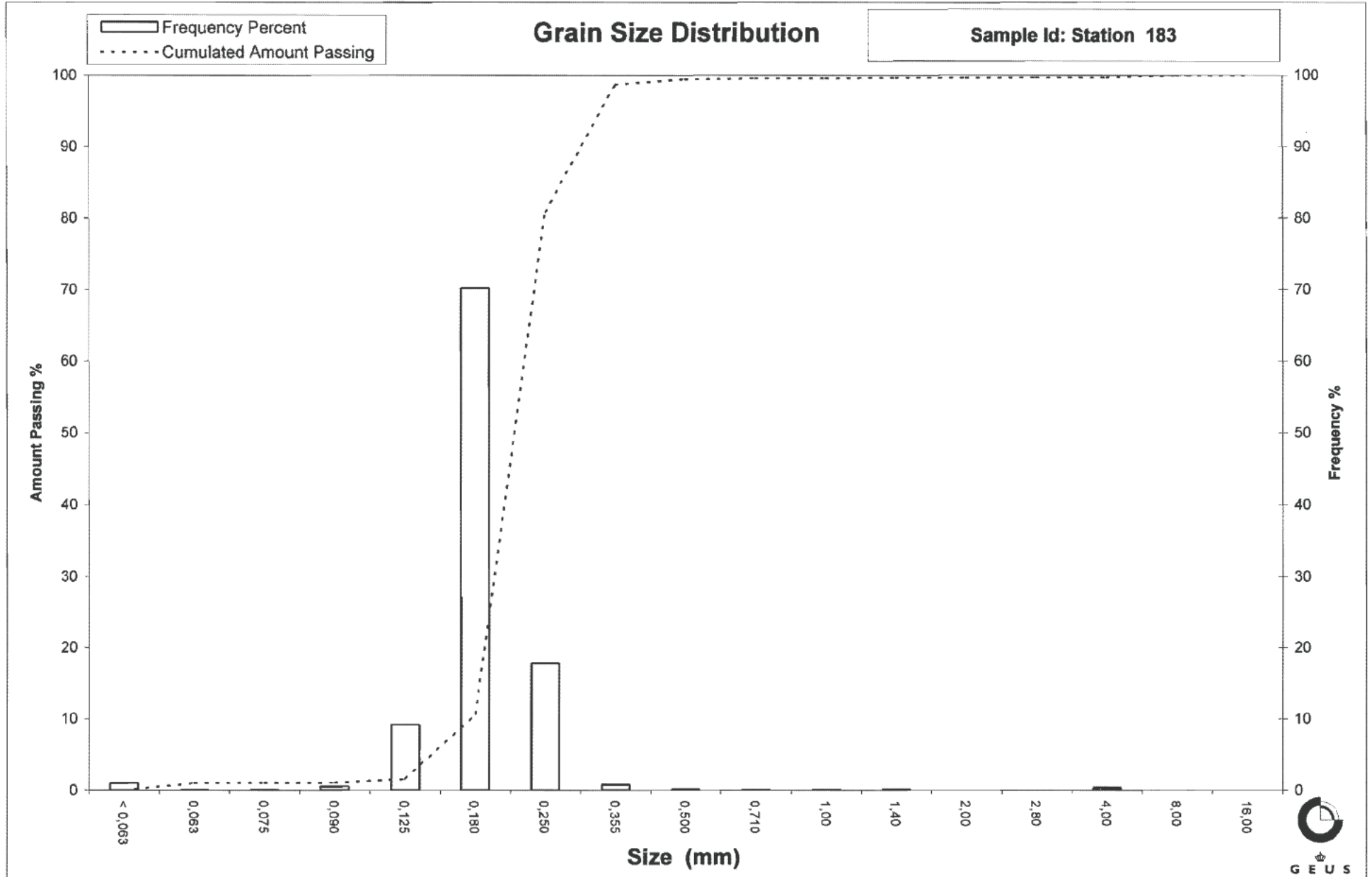
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgg-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 184
Lab. Id: 060681
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,09 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,27	0,26	99,74
4,00	-2,00	0,20	0,19	99,55
2,80	-1,49	0,00	0,00	99,55
2,00	-1,00	0,00	0,00	99,55
1,40	-0,49	0,01	0,01	99,54
1,00	0,00	0,07	0,07	99,48
0,710	0,49	0,08	0,08	99,40
0,500	1,00	0,09	0,09	99,31
0,355	1,49	0,68	0,65	98,67
0,250	2,00	8,50	8,09	90,58
0,180	2,47	77,46	73,71	16,87
0,125	3,00	15,81	15,04	1,83
0,090	3,47	0,80	0,76	1,07
0,075	3,74	0,10	0,10	0,97
0,063	3,99	0,04	0,04	0,93
< 0,063	> 3,99	0,98	0,93	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,93
Sand, fine (0,063 mm - 0,200 mm):	37,00
Sand, medium (0,2 mm - 0,6 mm):	61,42
Sand, coarse (0,6 mm - 2 mm):	0,20
Gravel (> 2 mm):	0,45
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,31	1,70
16%	84%	0,24	2,04
25%	75%	0,24	2,09
40%	60%	0,22	2,18
Median 50%	50%	0,21	2,24
75%	25%	0,19	2,41
84%	16%	0,18	2,50
90%	10%	0,15	2,69
95%	5%	0,14	2,87

Moments Statistics

Mean	2,26
Sorting	0,29
Skewness	0,10
Kurtosis	1,47
Uniformity Coefficient	1,43

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

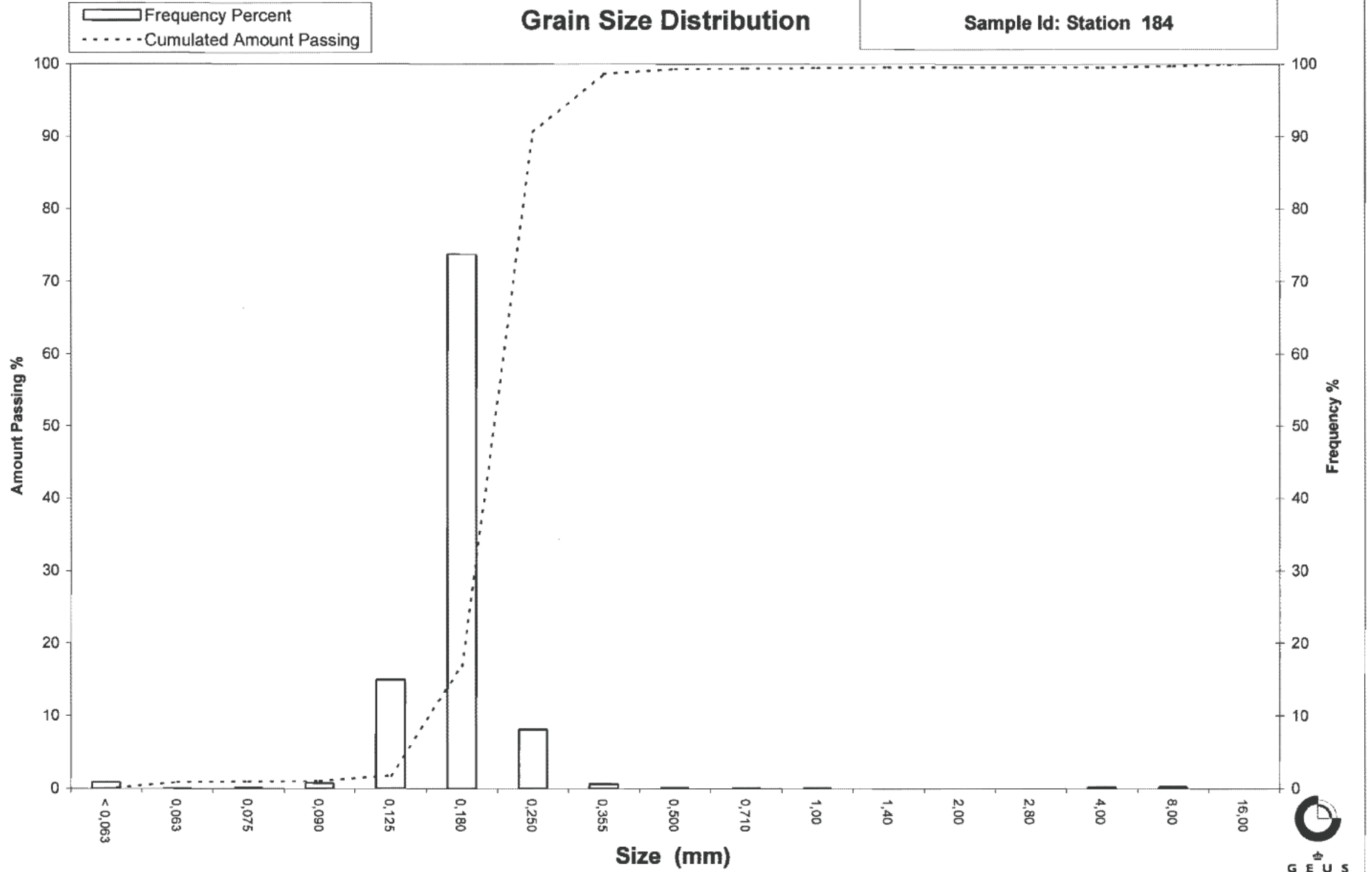
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 184



Grain Size Distribution

Geotechnical

Sample Id: Station 185
Lab. Id: 060682
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,09 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,12	0,11	99,89
2,80	-1,49	0,00	0,00	99,89
2,00	-1,00	0,05	0,05	99,84
1,40	-0,49	0,01	0,01	99,83
1,00	0,00	0,02	0,02	99,81
0,710	0,49	0,03	0,03	99,79
0,500	1,00	0,17	0,16	99,63
0,355	1,49	1,06	0,98	98,65
0,250	2,00	11,63	10,76	87,89
0,180	2,47	76,38	70,66	17,23
0,125	3,00	16,44	15,21	2,02
0,090	3,47	0,86	0,80	1,22
0,075	3,74	0,10	0,09	1,13
0,063	3,99	0,04	0,04	1,09
< 0,063	> 3,99	1,18	1,09	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,09
Sand, fine (0,063 mm - 0,200 mm):	36,32
Sand, medium (0,2 mm - 0,6 mm):	62,29
Sand, coarse (0,6 mm - 2 mm):	0,14
Gravel (> 2 mm):	0,16
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,32	1,65
16%	84%	0,25	2,02
25%	75%	0,24	2,08
40%	60%	0,22	2,17
Median 50%	50%	0,21	2,23
75%	25%	0,19	2,41
84%	16%	0,18	2,51
90%	10%	0,15	2,70
95%	5%	0,14	2,88

Moments Statistics

Mean	2,26
Sorting	0,31
Skewness	0,09
Kurtosis	1,50
Uniformity Coefficient	1,45

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

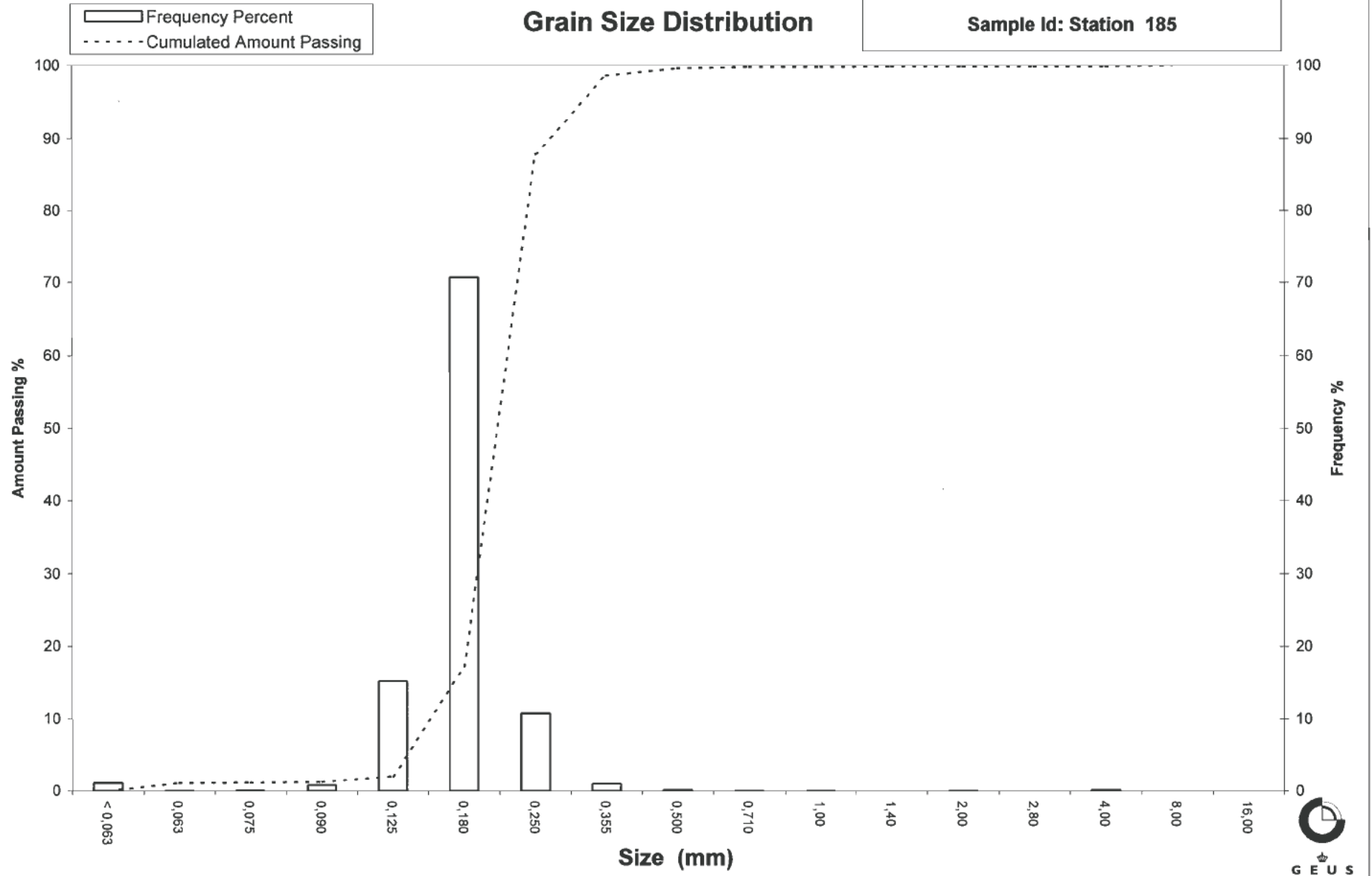
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 185



Grain Size Distribution

Geotechnical

Sample Id: Station 191
Lab. Id: 060683
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,37 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,02	0,02	99,98
1,00	0,00	0,22	0,21	99,77
0,710	0,49	0,24	0,23	99,54
0,500	1,00	1,55	1,49	98,05
0,355	1,49	12,70	12,17	85,89
0,250	2,00	38,66	37,04	48,85
0,180	2,47	42,58	40,80	8,05
0,125	3,00	6,63	6,35	1,70
0,090	3,47	0,63	0,60	1,09
0,075	3,74	0,04	0,04	1,05
0,063	3,99	0,02	0,02	1,03
< 0,063	> 3,99	1,08	1,03	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,03
Sand, fine (0,063 mm - 0,200 mm):	18,67
Sand, medium (0,2 mm - 0,6 mm):	79,06
Sand, coarse (0,6 mm - 2 mm):	1,24
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,46	1,11
16%	84%	0,35	1,52
25%	75%	0,32	1,83
40%	60%	0,28	1,83
Median 50%	50%	0,25	1,98
75%	25%	0,21	2,26
84%	16%	0,19	2,37
90%	10%	0,18	2,45
95%	5%	0,15	2,70

Moments Statistics

Mean	1,96
Sorting	0,45
Skewness	-0,09
Kurtosis	1,03
Uniformity Coefficient	1,54

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

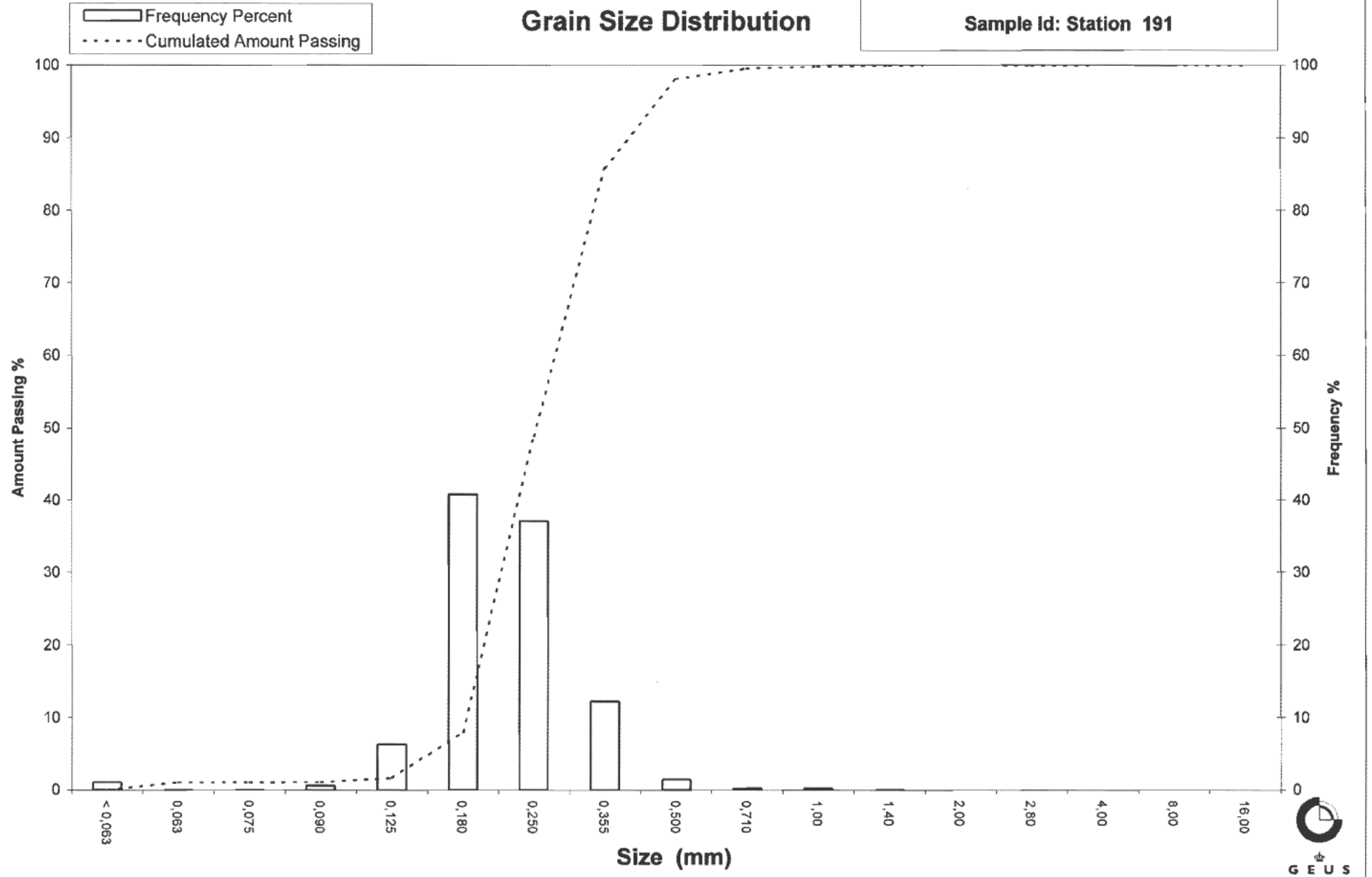
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 191



Grain Size Distribution

Geotechnical

Sample Id: Station 192
Lab. Id: 060684
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,6 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,04	0,04	99,96
1,00	0,00	0,05	0,05	99,92
0,710	0,49	0,32	0,29	99,63
0,500	1,00	1,88	1,72	97,91
0,355	1,49	12,74	11,62	86,29
0,250	2,00	39,40	35,95	50,34
0,180	2,47	45,89	41,87	8,47
0,125	3,00	7,38	6,73	1,73
0,090	3,47	0,75	0,68	1,05
0,075	3,74	0,01	0,01	1,04
0,063	3,99	0,01	0,01	1,03
< 0,063	> 3,99	1,13	1,03	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,03
Sand, fine (0,063 mm - 0,200 mm):	19,40
Sand, medium (0,2 mm - 0,6 mm):	78,30
Sand, coarse (0,6 mm - 2 mm):	1,27
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,46	1,11
16%	84%	0,35	1,52
25%	75%	0,32	1,63
40%	60%	0,28	1,85
Median 50%	50%	0,25	2,00
75%	25%	0,21	2,27
84%	16%	0,19	2,38
90%	10%	0,18	2,45
95%	5%	0,15	2,72

Moments Statistics

Mean	1,97
Sorting	0,46
Skewness	-0,12
Kurtosis	1,04
Uniformity Coefficient	1,52

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

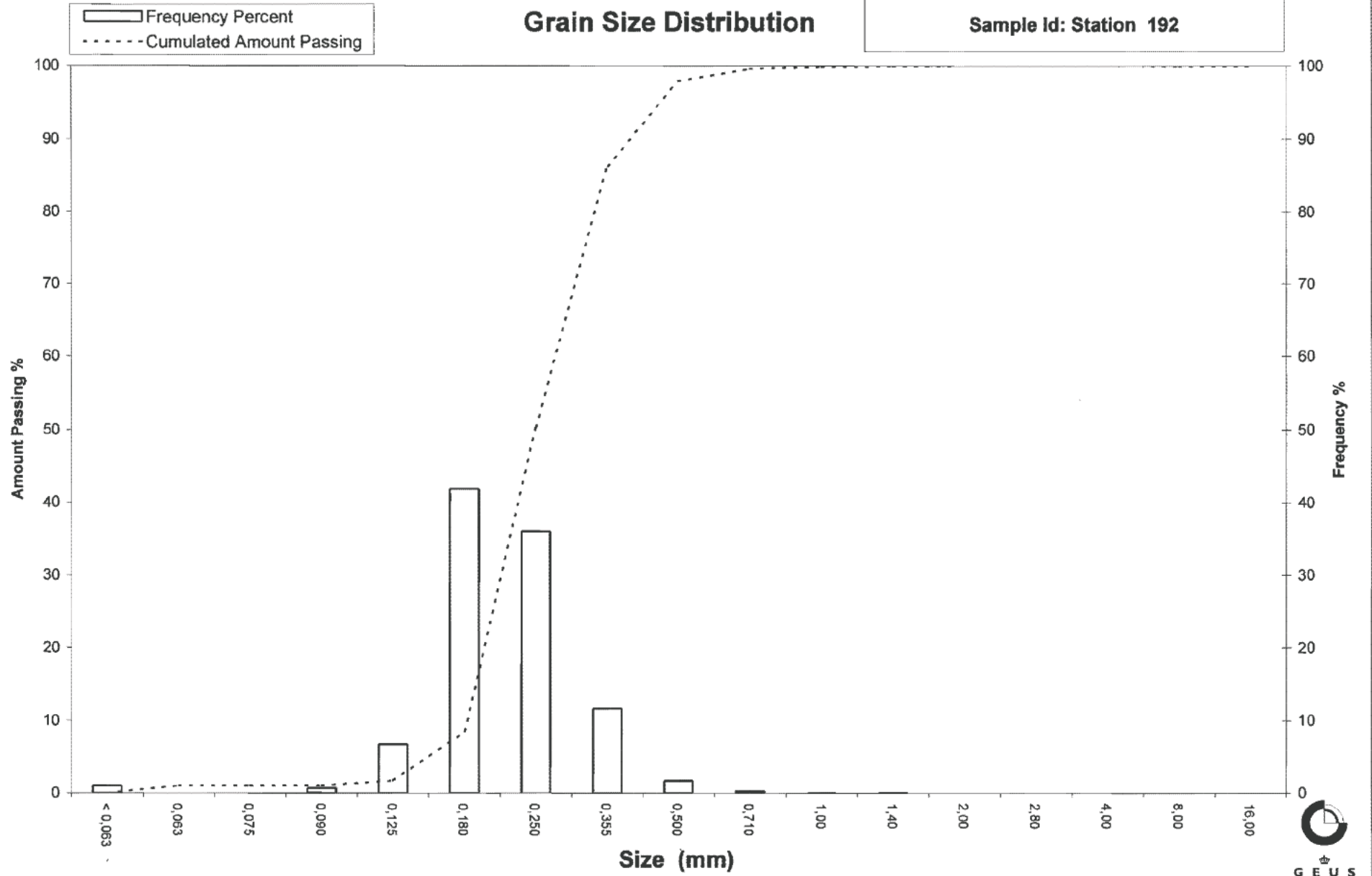
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 192



Grain Size Distribution

Geotechnical

Sample Id: Station 193
Lab. Id: 060685
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 107,5 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,06	0,06	99,94
1,00	0,00	0,19	0,18	99,77
0,710	0,49	0,48	0,45	99,32
0,500	1,00	3,11	2,89	96,43
0,355	1,49	16,65	15,49	80,94
0,250	2,00	41,10	38,23	42,71
0,180	2,47	38,76	36,06	6,65
0,125	3,00	5,50	5,12	1,53
0,090	3,47	0,45	0,42	1,12
0,075	3,74	0,01	0,01	1,11
0,063	3,99	0,01	0,01	1,10
< 0,063	> 3,99	1,18	1,10	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,10
Sand, fine (0,063 mm - 0,200 mm):	15,86
Sand, medium (0,2 mm - 0,6 mm):	80,85
Sand, coarse (0,6 mm - 2 mm):	2,19
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,49	1,04
16%	84%	0,38	1,38
25%	75%	0,34	1,56
40%	60%	0,30	1,75
Median 50%	50%	0,27	1,89
75%	25%	0,22	2,21
84%	16%	0,20	2,34
90%	10%	0,19	2,42
95%	5%	0,16	2,62

Moments Statistics

Mean	1,87
Sorting	0,48
Skewness	-0,07
Kurtosis	1,00
Uniformity Coefficient	1,60

The analysis is executed according to DS 405.9
 extended by sieves to the ½ phi scale

Size Classes and Percentiles
 are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

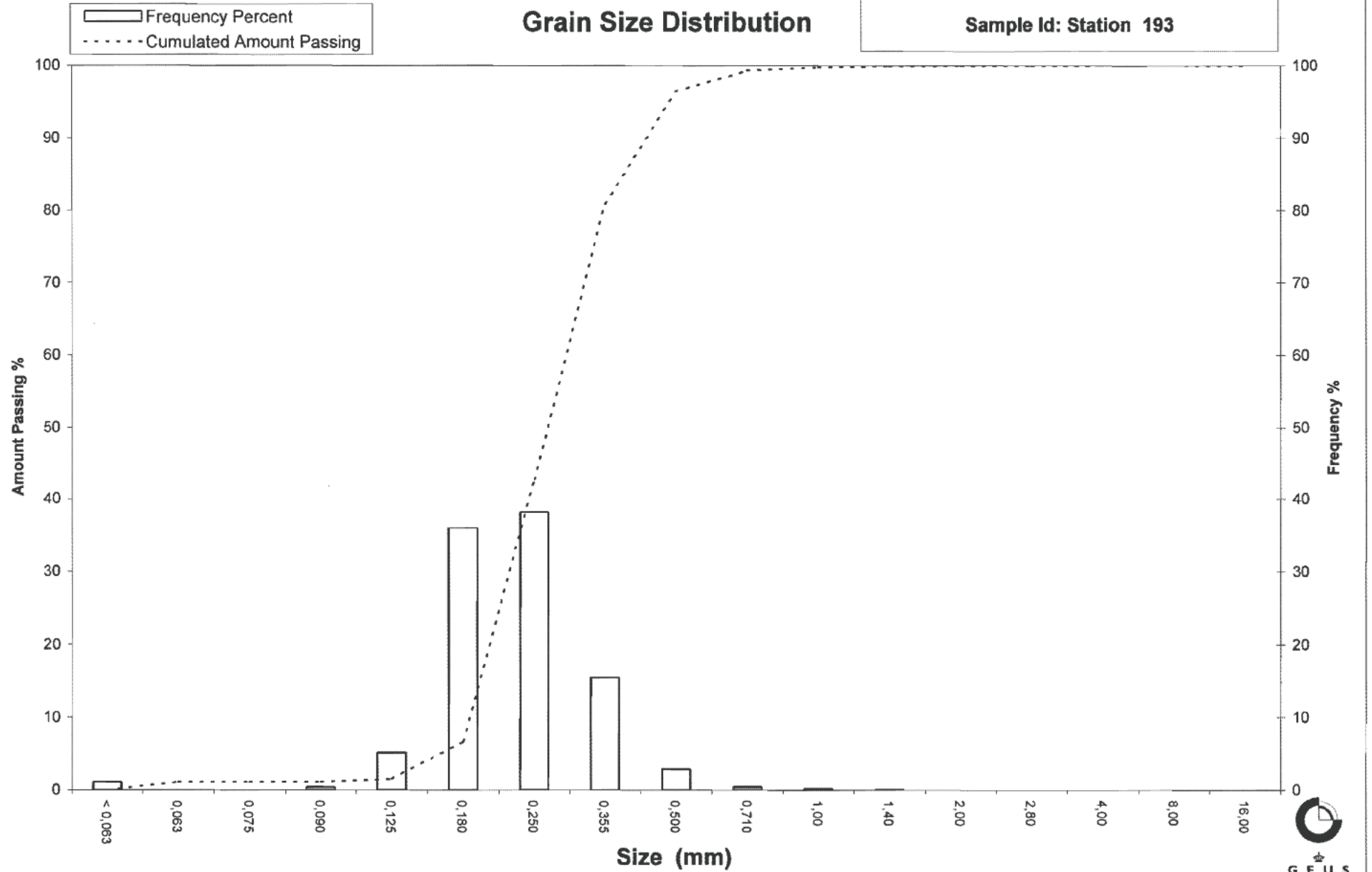
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on
 "Amount in sieve". Uniformity coefficient is based on
 "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 193



Grain Size Distribution

Geotechnical

Sample Id: Station 194
Lab. Id: 060686
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,27 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,02	0,02	99,98
1,40	-0,49	0,06	0,05	99,93
1,00	0,00	0,11	0,10	99,83
0,710	0,49	0,32	0,29	99,53
0,500	1,00	1,96	1,79	97,74
0,355	1,49	11,64	10,65	87,09
0,250	2,00	43,10	39,44	47,64
0,180	2,47	43,23	39,56	8,08
0,125	3,00	6,80	6,22	1,86
0,090	3,47	0,69	0,63	1,23
0,075	3,74	0,06	0,05	1,17
0,063	3,99	0,01	0,01	1,16
< 0,063	> 3,99	1,27	1,16	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,16
Sand, fine (0,063 mm - 0,200 mm):	18,22
Sand, medium (0,2 mm - 0,6 mm):	79,21
Sand, coarse (0,6 mm - 2 mm):	1,39
Gravel (> 2 mm):	0,02
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,46	1,11
16%	84%	0,35	1,53
25%	75%	0,32	1,63
40%	60%	0,28	1,82
Median 50%	50%	0,26	1,96
75%	25%	0,21	2,25
84%	16%	0,19	2,37
90%	10%	0,18	2,45
95%	5%	0,15	2,71

Moments Statistics

Mean	1,95
Sorting	0,45
Skewness	-0,05
Kurtosis	1,06
Uniformity Coefficient	1,54

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

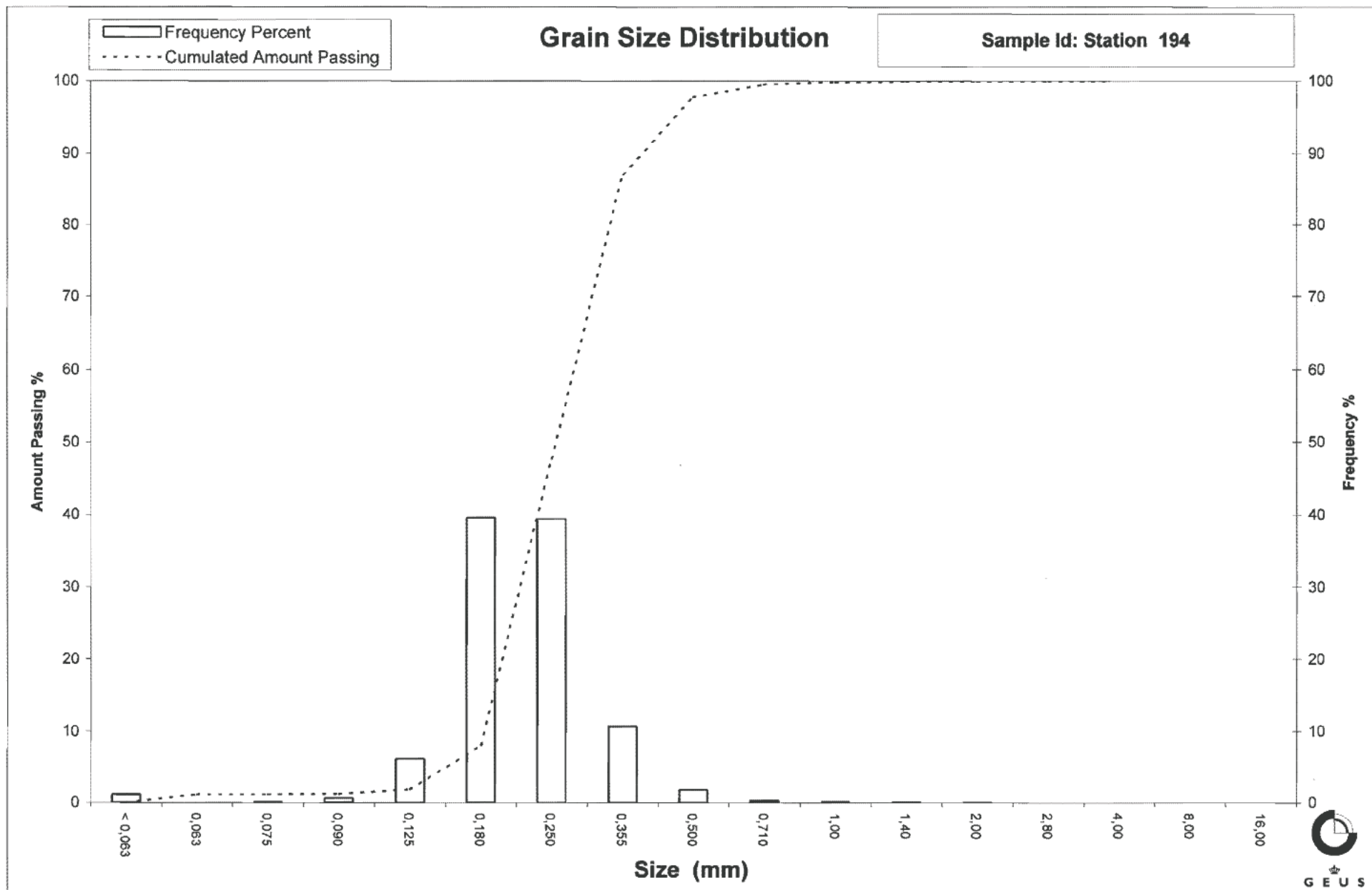
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 195
Lab. Id: 060687
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 107,31 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,01	0,01	99,99
1,40	-0,49	0,10	0,09	99,90
1,00	0,00	0,12	0,11	99,79
0,710	0,49	0,32	0,30	99,49
0,500	1,00	2,18	2,03	97,46
0,355	1,49	13,09	12,20	85,26
0,250	2,00	44,07	41,07	44,19
0,180	2,47	39,26	36,59	7,60
0,125	3,00	6,21	5,79	1,82
0,090	3,47	0,65	0,61	1,21
0,075	3,74	0,04	0,04	1,17
0,063	3,99	0,01	0,01	1,16
< 0,063	> 3,99	1,25	1,16	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,16
Sand, fine (0,063 mm - 0,200 mm):	16,89
Sand, medium (0,2 mm - 0,6 mm):	80,37
Sand, coarse (0,6 mm - 2 mm):	1,57
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,47	1,09
16%	84%	0,35	1,51
25%	75%	0,33	1,60
40%	60%	0,29	1,78
Median 50%	50%	0,26	1,92
75%	25%	0,21	2,23
84%	16%	0,20	2,35
90%	10%	0,18	2,44
95%	5%	0,16	2,69

Moments Statistics

Mean	1,92
Sorting	0,45
Skewness	0,00
Kurtosis	1,05
Uniformity Coefficient	1,57

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

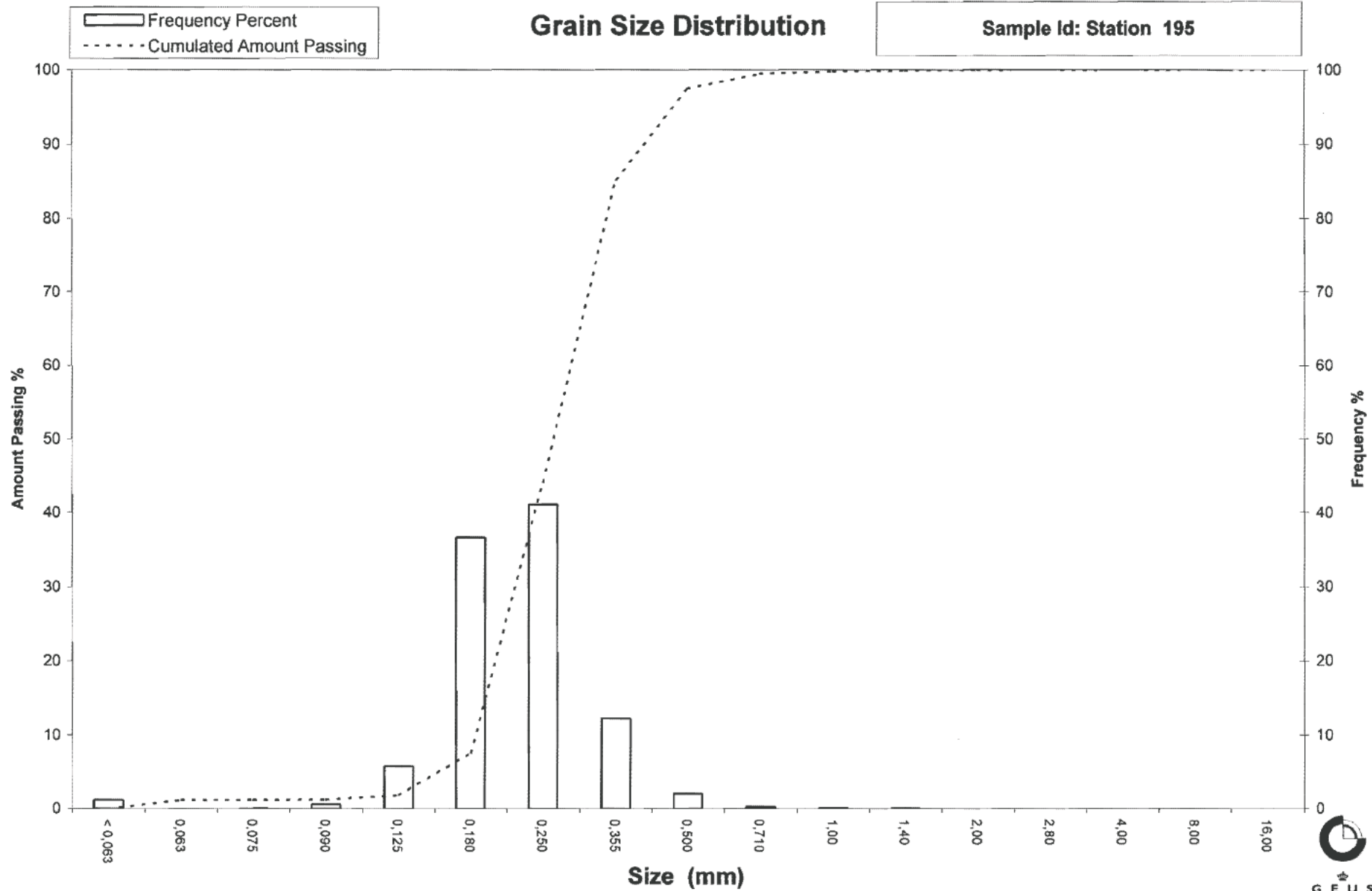
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 195



Grain Size Distribution

Geotechnical

Sample Id: Station 201
Lab. Id: 060688
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,41 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,03	0,03	99,97
1,40	-0,49	0,02	0,02	99,95
1,00	0,00	0,31	0,29	99,66
0,710	0,49	0,23	0,22	99,45
0,500	1,00	0,85	0,80	98,65
0,355	1,49	2,75	2,58	96,06
0,250	2,00	9,77	9,18	86,88
0,180	2,47	33,69	31,66	55,22
0,125	3,00	52,37	49,22	6,01
0,090	3,47	4,72	4,44	1,57
0,075	3,74	0,27	0,25	1,32
0,063	3,99	0,10	0,09	1,22
< 0,063	> 3,99	1,30	1,22	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,22
Sand, fine (0,063 mm - 0,200 mm):	63,04
Sand, medium (0,2 mm - 0,6 mm):	34,76
Sand, coarse (0,6 mm - 2 mm):	0,94
Gravel (> 2 mm):	0,03
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,34	1,54
16%	84%	0,24	2,04
25%	75%	0,22	2,16
40%	60%	0,19	2,39
Median 50%	50%	0,17	2,52
75%	25%	0,15	2,77
84%	16%	0,14	2,88
90%	10%	0,13	2,95
95%	5%	0,12	3,09

Moments Statistics

Mean	2,48
Sorting	0,44
Skewness	-0,21
Kurtosis	1,04
Uniformity Coefficient	1,47

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

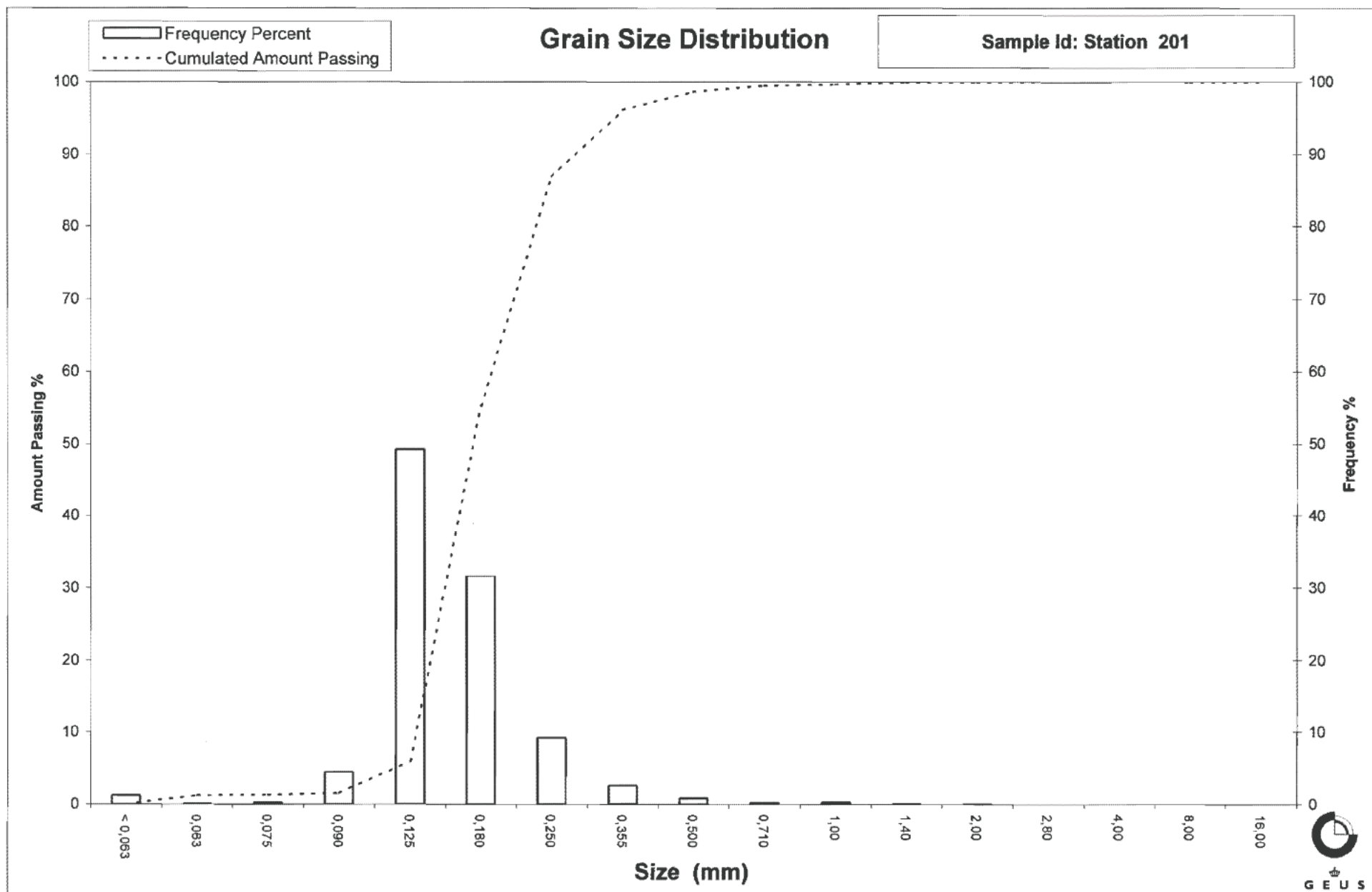
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 202
Lab. Id: 060689
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,17 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,09	0,08	99,92
2,00	-1,00	0,02	0,02	99,90
1,40	-0,49	0,06	0,06	99,84
1,00	0,00	0,11	0,10	99,74
0,710	0,49	0,26	0,24	99,50
0,500	1,00	1,06	0,98	98,52
0,355	1,49	3,48	3,22	95,30
0,250	2,00	12,32	11,39	83,91
0,180	2,47	37,08	34,28	49,63
0,125	3,00	48,17	44,53	5,10
0,090	3,47	3,78	3,49	1,61
0,075	3,74	0,23	0,21	1,40
0,063	3,99	0,08	0,07	1,32
< 0,063	> 3,99	1,43	1,32	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,32
Sand, fine (0,063 mm - 0,200 mm):	58,11
Sand, medium (0,2 mm - 0,6 mm):	39,56
Sand, coarse (0,6 mm - 2 mm):	0,91
Gravel (> 2 mm):	0,10
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,51
16%	84%	0,25	2,00
25%	75%	0,23	2,11
40%	60%	0,20	2,31
Median 50%	50%	0,18	2,47
75%	25%	0,15	2,74
84%	16%	0,14	2,85
90%	10%	0,13	2,93
95%	5%	0,12	3,01

Moments Statistics

Mean	2,44
Sorting	0,44
Skewness	-0,19
Kurtosis	0,98
Uniformity Coefficient	1,54

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

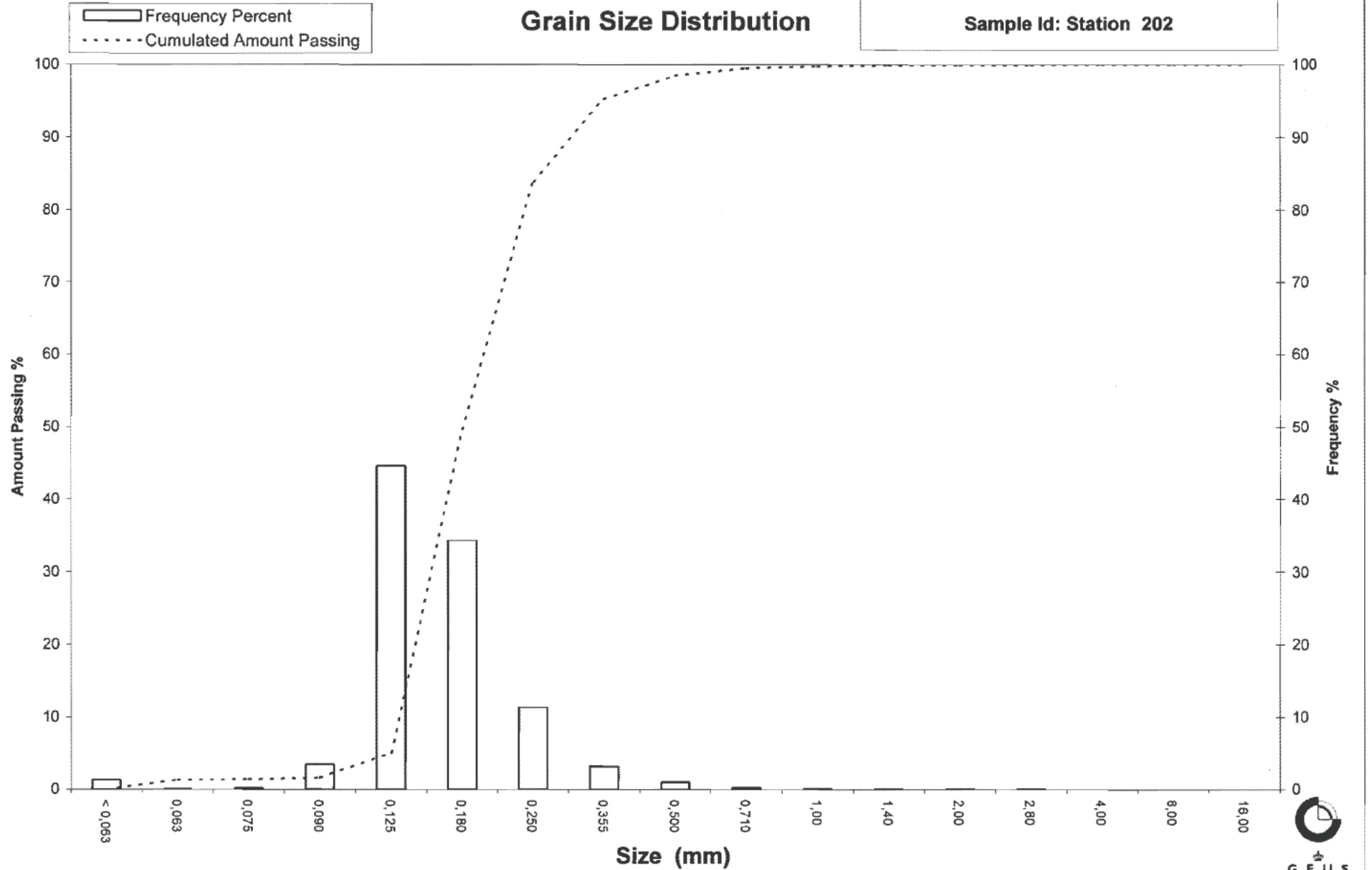
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 202



Grain Size Distribution

Geotechnical

Sample Id: Station 203
Lab. Id: 060690
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,41 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,07	0,07	99,93
2,00	-1,00	0,03	0,03	99,91
1,40	-0,49	0,01	0,01	99,90
1,00	0,00	0,07	0,07	99,83
0,710	0,49	0,23	0,22	99,61
0,500	1,00	0,92	0,87	98,74
0,355	1,49	3,59	3,41	95,33
0,250	2,00	11,89	11,28	84,05
0,180	2,47	35,99	34,14	49,91
0,125	3,00	47,26	44,83	5,08
0,090	3,47	3,71	3,52	1,56
0,075	3,74	0,18	0,17	1,39
0,063	3,99	0,08	0,08	1,31
< 0,063	> 3,99	1,38	1,31	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,31
Sand, fine (0,063 mm - 0,200 mm):	58,36
Sand, medium (0,2 mm - 0,6 mm):	39,49
Sand, coarse (0,6 mm - 2 mm):	0,75
Gravel (> 2 mm):	0,09
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,51
16%	84%	0,25	2,00
25%	75%	0,23	2,11
40%	60%	0,20	2,32
Median 50%	50%	0,18	2,47
75%	25%	0,15	2,74
84%	16%	0,14	2,85
90%	10%	0,13	2,93
95%	5%	0,12	3,01

Moments Statistics

Mean	2,44
Sorting	0,44
Skewness	-0,20
Kurtosis	0,98
Uniformity Coefficient	1,53

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

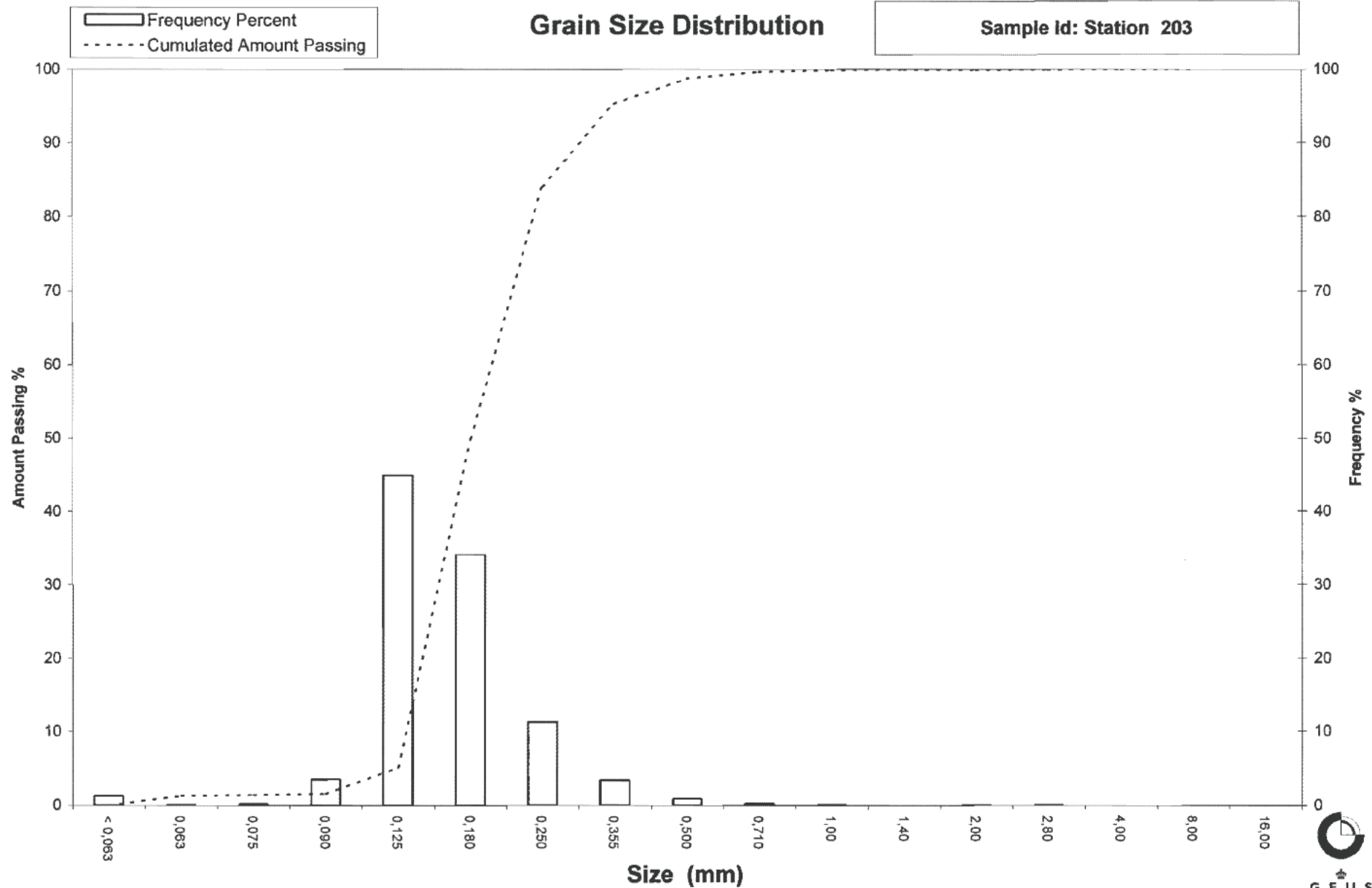
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgg-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 203



Grain Size Distribution

Geotechnical

Sample Id: Station 204
Lab. Id: 060691
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,61 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,04	0,04	99,96
2,00	-1,00	0,01	0,01	99,95
1,40	-0,49	0,05	0,05	99,91
1,00	0,00	0,05	0,05	99,86
0,710	0,49	0,15	0,14	99,72
0,500	1,00	0,78	0,74	98,98
0,355	1,49	3,27	3,10	95,88
0,250	2,00	11,88	11,25	84,63
0,180	2,47	35,03	33,17	51,46
0,125	3,00	48,76	46,17	5,29
0,090	3,47	4,38	4,15	1,15
0,075	3,74	0,26	0,25	0,90
0,063	3,99	0,10	0,09	0,80
< 0,063	> 3,99	0,85	0,80	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,80
Sand, fine (0,063 mm - 0,200 mm):	60,13
Sand, medium (0,2 mm - 0,6 mm):	38,39
Sand, coarse (0,6 mm - 2 mm):	0,62
Gravel (> 2 mm):	0,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,53
16%	84%	0,25	2,01
25%	75%	0,23	2,12
40%	60%	0,20	2,34
Median 50%	50%	0,18	2,49
75%	25%	0,15	2,75
84%	16%	0,14	2,86
90%	10%	0,13	2,94
95%	5%	0,12	3,03

Moments Statistics

Mean	2,45
Sorting	0,44
Skewness	-0,20
Kurtosis	0,98
Uniformity Coefficient	1,52

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

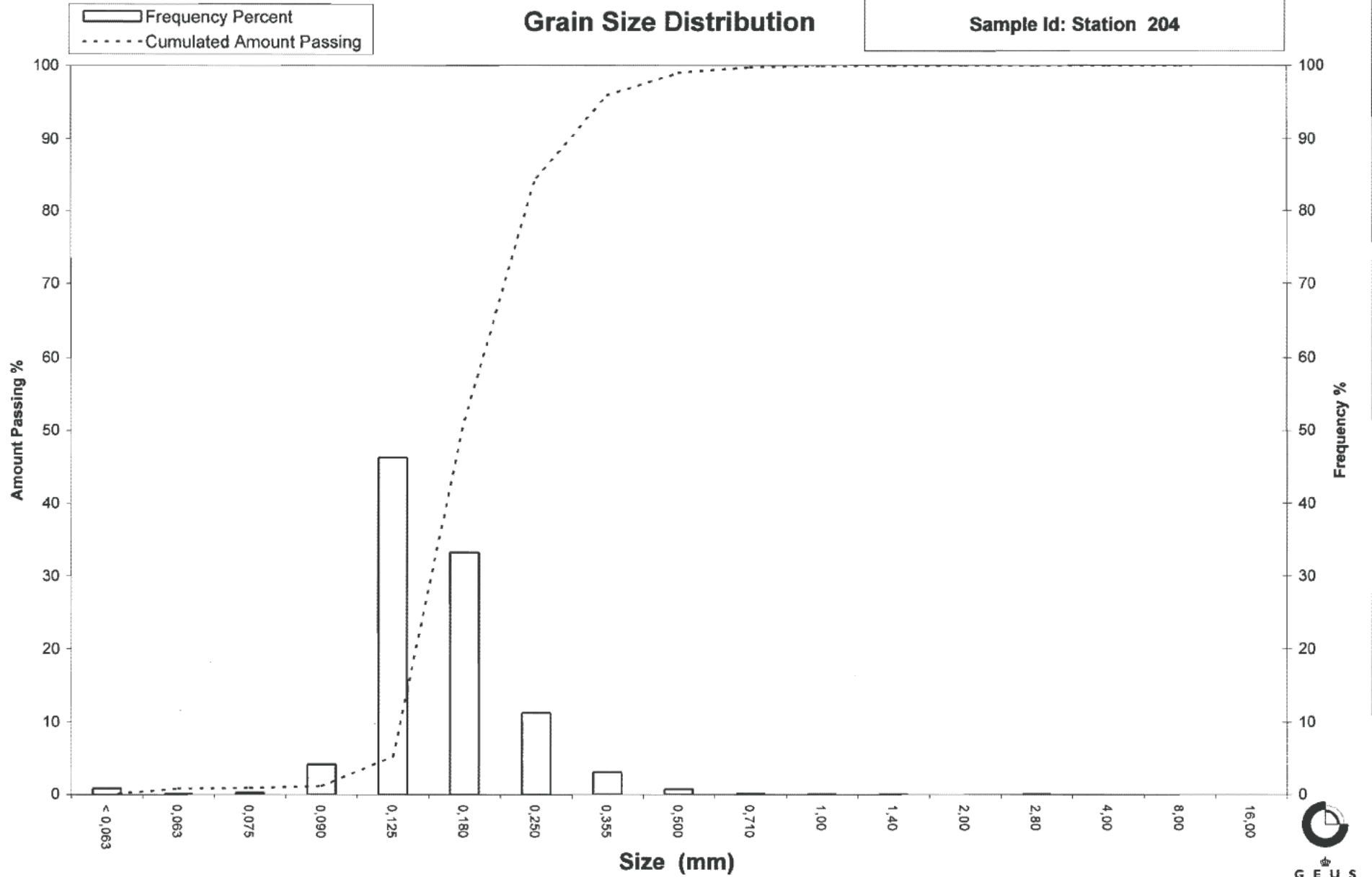
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 204



Grain Size Distribution

Geotechnical

Sample Id: Station 205
Lab. Id: 060692
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,59 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,01	0,01	99,99
2,00	-1,00	0,03	0,03	99,96
1,40	-0,49	0,05	0,05	99,91
1,00	0,00	0,10	0,10	99,82
0,710	0,49	0,23	0,22	99,60
0,500	1,00	1,01	0,97	98,63
0,355	1,49	4,22	4,03	94,60
0,250	2,00	12,96	12,39	82,21
0,180	2,47	36,59	34,98	47,22
0,125	3,00	44,37	42,42	4,80
0,090	3,47	3,45	3,30	1,50
0,075	3,74	0,20	0,19	1,31
0,063	3,99	0,07	0,07	1,24
< 0,063	> 3,99	1,30	1,24	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,24
Sand, fine (0,063 mm - 0,200 mm):	55,98
Sand, medium (0,2 mm - 0,6 mm):	41,87
Sand, coarse (0,6 mm - 2 mm):	0,87
Gravel (> 2 mm):	0,04
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,37	1,44
16%	84%	0,27	1,91
25%	75%	0,24	2,09
40%	60%	0,21	2,28
Median 50%	50%	0,19	2,43
75%	25%	0,15	2,73
84%	16%	0,14	2,84
90%	10%	0,13	2,92
95%	5%	0,13	3,00

Moments Statistics

Mean	2,40
Sorting	0,47
Skewness	-0,19
Kurtosis	1,00
Uniformity Coefficient	1,56

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

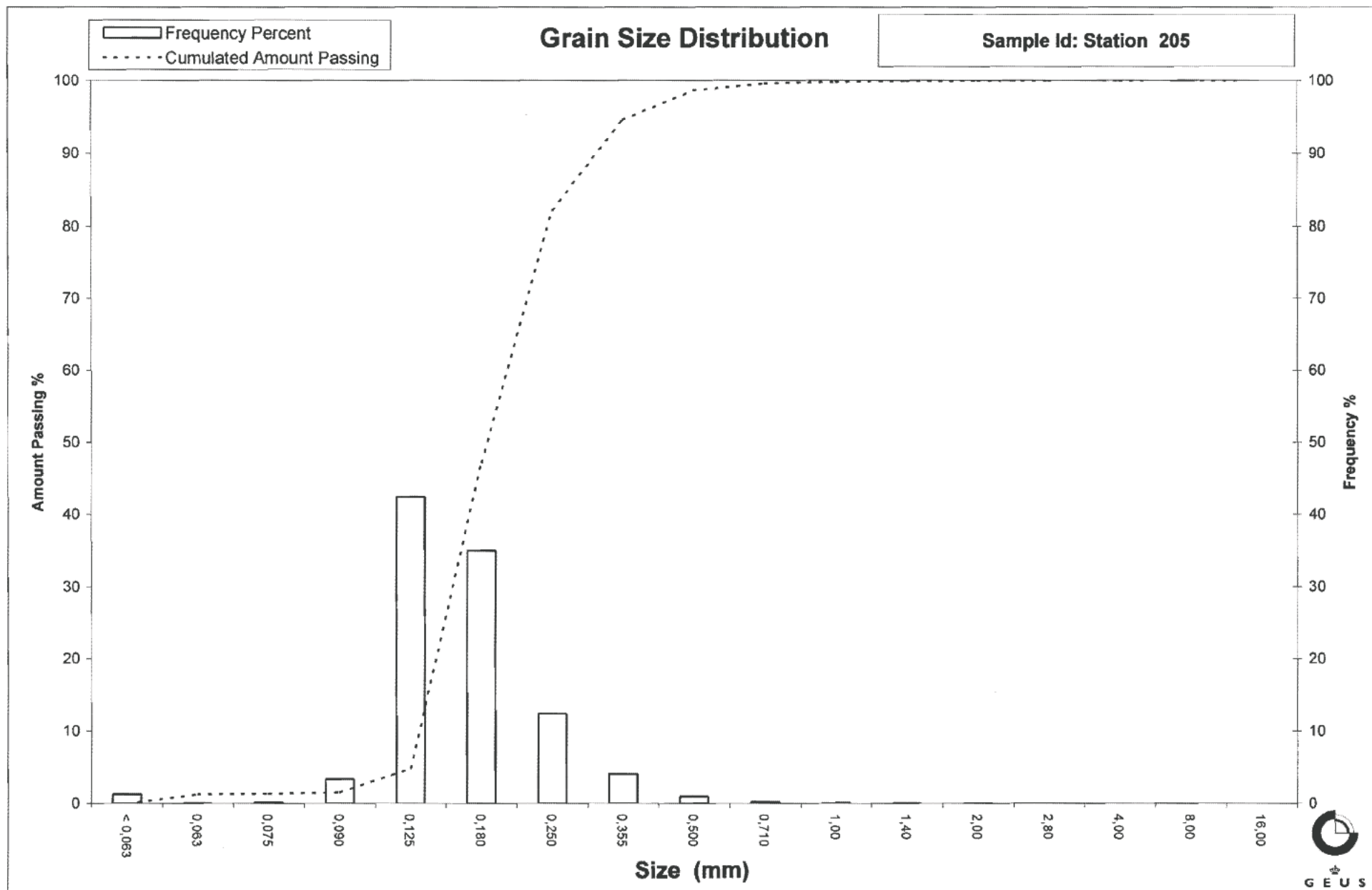
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 211
Lab. Id: 060693
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,14 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,07	0,06	99,94
2,80	-1,49	0,00	0,00	99,94
2,00	-1,00	0,01	0,01	99,93
1,40	-0,49	0,09	0,08	99,84
1,00	0,00	0,14	0,13	99,71
0,710	0,49	0,38	0,35	99,36
0,500	1,00	1,43	1,32	98,04
0,355	1,49	6,13	5,67	92,37
0,250	2,00	18,86	17,44	74,93
0,180	2,47	50,44	46,64	28,29
0,125	3,00	28,10	25,98	2,30
0,090	3,47	1,57	1,45	0,85
0,075	3,74	0,14	0,13	0,72
0,063	3,99	0,07	0,06	0,66
< 0,063	> 3,99	0,71	0,66	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,66
Sand, fine (0,063 mm - 0,200 mm):	40,96
Sand, medium (0,2 mm - 0,6 mm):	57,06
Sand, coarse (0,6 mm - 2 mm):	1,26
Gravel (> 2 mm):	0,07
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,42	1,24
16%	84%	0,30	1,72
25%	75%	0,25	2,00
40%	60%	0,23	2,14
Median 50%	50%	0,21	2,23
75%	25%	0,17	2,53
84%	16%	0,15	2,70
90%	10%	0,14	2,82
95%	5%	0,13	2,94

Moments Statistics

Mean	2,22
Sorting	0,50
Skewness	-0,11
Kurtosis	1,30
Uniformity Coefficient	1,61

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

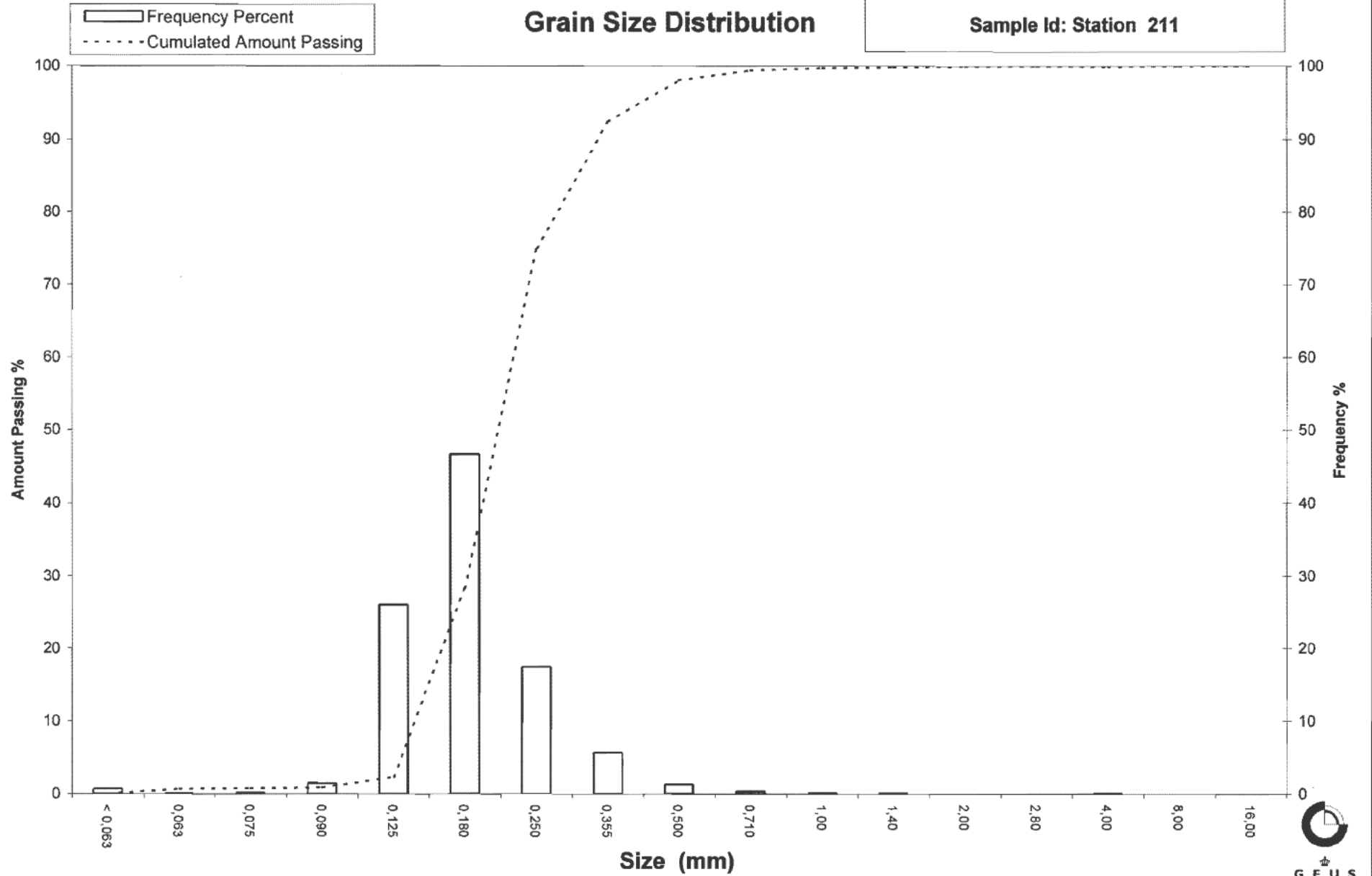
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 211



Grain Size Distribution

Geotechnical

Sample Id: Station 212
Lab. Id: 060694
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,08 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,01	0,01	99,99
1,00	0,00	0,04	0,04	99,95
0,710	0,49	0,14	0,14	99,82
0,500	1,00	0,61	0,59	99,22
0,355	1,49	3,43	3,33	95,90
0,250	2,00	13,40	13,00	82,90
0,180	2,47	48,40	46,95	35,94
0,125	3,00	33,50	32,50	3,44
0,090	3,47	2,15	2,09	1,36
0,075	3,74	0,15	0,15	1,21
0,063	3,99	0,08	0,08	1,14
< 0,063	> 3,99	1,17	1,14	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,14
Sand, fine (0,063 mm - 0,200 mm):	48,22
Sand, medium (0,2 mm - 0,6 mm):	50,15
Sand, coarse (0,6 mm - 2 mm):	0,49
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,52
16%	84%	0,26	1,95
25%	75%	0,24	2,07
40%	60%	0,22	2,21
Median 50%	50%	0,20	2,32
75%	25%	0,16	2,63
84%	16%	0,15	2,77
90%	10%	0,14	2,88
95%	5%	0,13	2,97

Moments Statistics

Mean	2,35
Sorting	0,43
Skewness	0,01
Kurtosis	1,06
Uniformity Coefficient	1,59

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

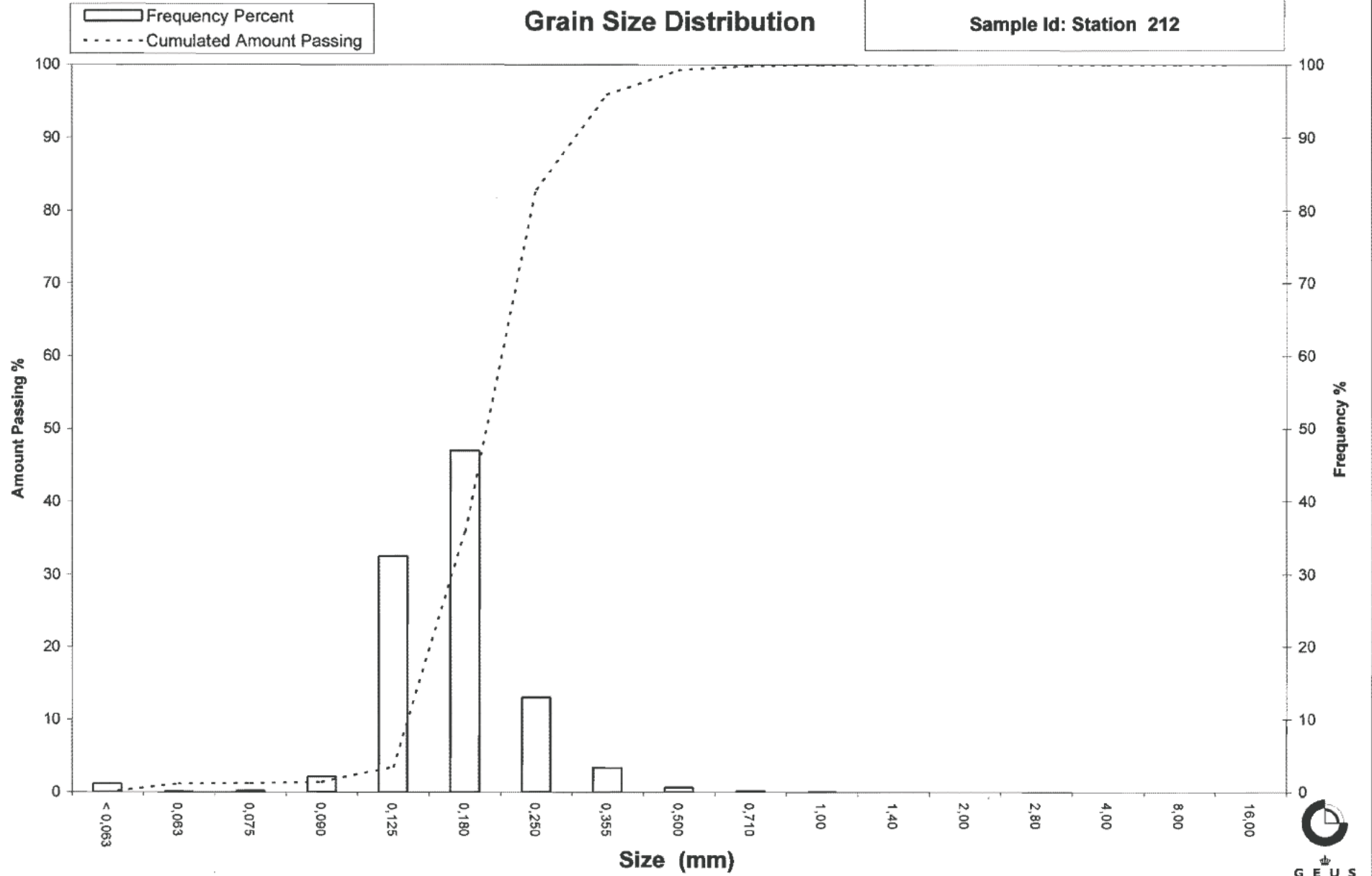
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 212



Grain Size Distribution

Geotechnical

Sample Id: Station 213
Lab. Id: 060695
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,14 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,10	0,10	99,90
2,00	-1,00	0,01	0,01	99,90
1,40	-0,49	0,01	0,01	99,89
1,00	0,00	0,13	0,12	99,76
0,710	0,49	0,07	0,07	99,70
0,500	1,00	0,39	0,37	99,32
0,355	1,49	1,90	1,81	97,52
0,250	2,00	9,34	8,88	88,63
0,180	2,47	49,93	47,49	41,15
0,125	3,00	38,65	36,76	4,38
0,090	3,47	3,04	2,89	1,49
0,075	3,74	0,21	0,20	1,29
0,063	3,99	0,08	0,08	1,22
< 0,063	> 3,99	1,28	1,22	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,22
Sand, fine (0,063 mm - 0,200 mm):	53,50
Sand, medium (0,2 mm - 0,6 mm):	44,79
Sand, coarse (0,6 mm - 2 mm):	0,39
Gravel (> 2 mm):	0,10
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,33	1,62
16%	84%	0,24	2,04
25%	75%	0,23	2,12
40%	60%	0,21	2,27
Median 50%	50%	0,19	2,37
75%	25%	0,16	2,68
84%	16%	0,14	2,81
90%	10%	0,13	2,91
95%	5%	0,13	2,99

Moments Statistics

Mean	2,41
Sorting	0,40
Skewness	0,02
Kurtosis	1,00
Uniformity Coefficient	1,56

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

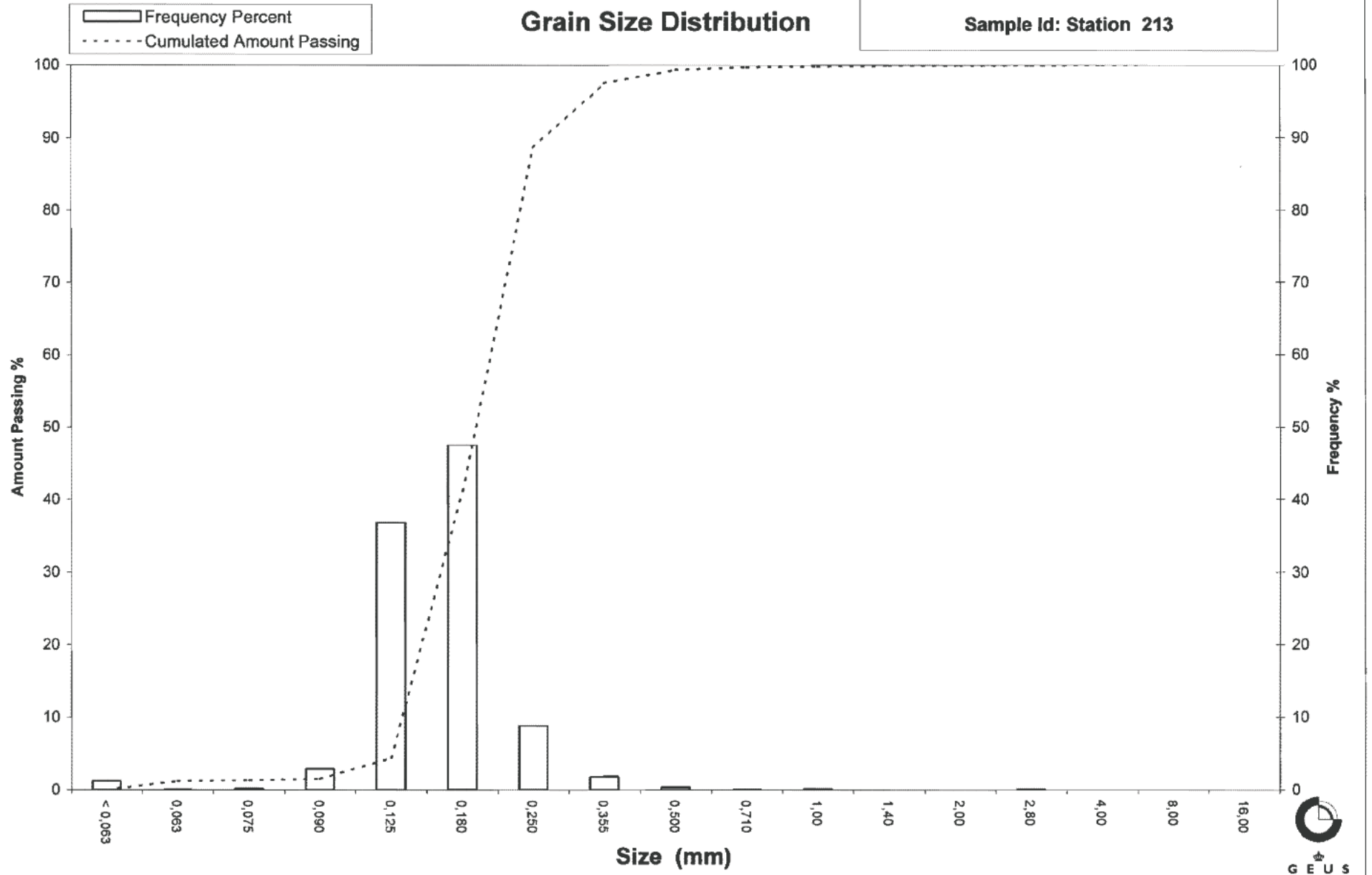
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 213



Grain Size Distribution

Geotechnical

Sample Id: Station 214
Lab. Id: 060696
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,22 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,14	0,13	99,87
2,80	-1,49	0,00	0,00	99,87
2,00	-1,00	0,03	0,03	99,84
1,40	-0,49	0,09	0,08	99,76
1,00	0,00	0,13	0,12	99,63
0,710	0,49	0,19	0,18	99,45
0,500	1,00	0,82	0,78	98,67
0,355	1,49	6,11	5,81	92,87
0,250	2,00	28,95	27,51	65,35
0,180	2,47	45,89	43,61	21,74
0,125	3,00	20,31	19,30	2,44
0,090	3,47	1,32	1,25	1,18
0,075	3,74	0,10	0,10	1,09
0,063	3,99	0,03	0,03	1,06
< 0,063	> 3,99	1,11	1,06	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,06
Sand, fine (0,063 mm - 0,200 mm):	33,14
Sand, medium (0,2 mm - 0,6 mm):	64,84
Sand, coarse (0,6 mm - 2 mm):	0,80
Gravel (> 2 mm):	0,16
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,41	1,29
16%	84%	0,32	1,64
25%	75%	0,29	1,80
40%	60%	0,24	2,05
Median 50%	50%	0,23	2,15
75%	25%	0,19	2,43
84%	16%	0,16	2,61
90%	10%	0,15	2,77
95%	5%	0,13	2,92

Moments Statistics

Mean	2,13
Sorting	0,49
Skewness	-0,05
Kurtosis	1,06
Uniformity Coefficient	1,65

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

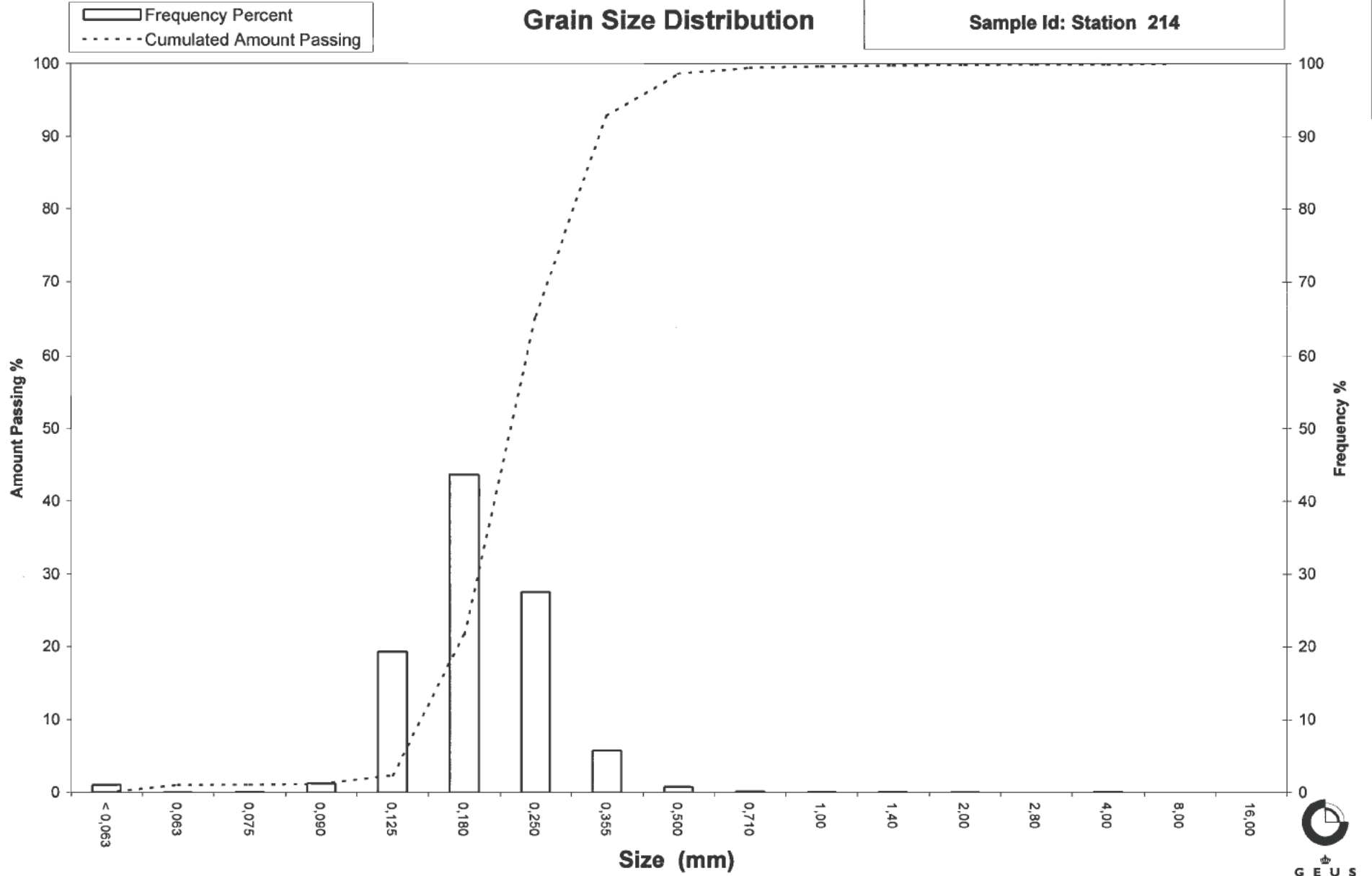
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 214



Grain Size Distribution

Geotechnical

Sample Id: Station 215
Lab. Id: 060697
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 100,5 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,14	0,14	99,86
4,00	-2,00	0,07	0,07	99,79
2,80	-1,49	0,01	0,01	99,78
2,00	-1,00	0,04	0,04	99,74
1,40	-0,49	0,15	0,15	99,59
1,00	0,00	0,09	0,09	99,50
0,710	0,49	0,27	0,27	99,23
0,500	1,00	1,21	1,20	98,03
0,355	1,49	4,51	4,49	93,54
0,250	2,00	15,20	15,12	78,42
0,180	2,47	40,94	40,74	37,68
0,125	3,00	33,41	33,24	4,44
0,090	3,47	3,04	3,02	1,41
0,075	3,74	0,20	0,20	1,21
0,063	3,99	0,10	0,10	1,11
< 0,063	> 3,99	1,12	1,11	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,11
Sand, fine (0,063 mm - 0,200 mm):	48,21
Sand, medium (0,2 mm - 0,6 mm):	49,28
Sand, coarse (0,6 mm - 2 mm):	1,14
Gravel (> 2 mm):	0,26
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,40	1,31
16%	84%	0,29	1,79
25%	75%	0,24	2,03
40%	60%	0,22	2,20
Median 50%	50%	0,20	2,31
75%	25%	0,16	2,65
84%	16%	0,14	2,79
90%	10%	0,13	2,90
95%	5%	0,13	2,99

Moments Statistics

Mean	2,30
Sorting	0,50
Skewness	-0,12
Kurtosis	1,11
Uniformity Coefficient	1,63

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

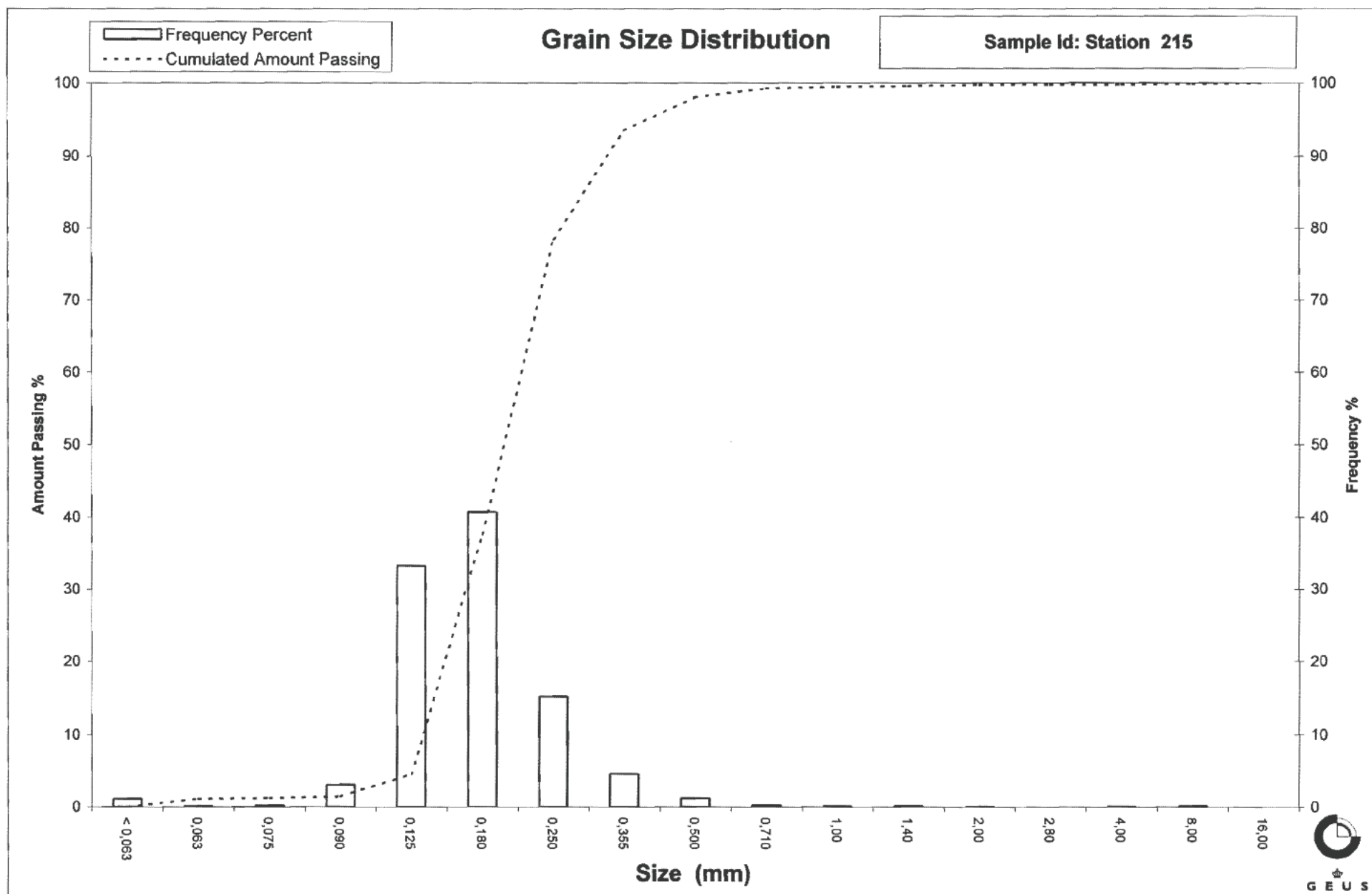
Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 217
Lab. Id: 060698
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,26 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,29	0,28	99,72
2,80	-1,49	0,00	0,00	99,72
2,00	-1,00	0,06	0,06	99,67
1,40	-0,49	0,01	0,01	99,66
1,00	0,00	0,21	0,20	99,46
0,710	0,49	0,21	0,20	99,26
0,500	1,00	0,50	0,48	98,78
0,355	1,49	1,75	1,66	97,12
0,250	2,00	10,65	10,12	87,00
0,180	2,47	41,58	39,50	47,50
0,125	3,00	44,75	42,51	4,99
0,090	3,47	4,01	3,81	1,18
0,075	3,74	0,23	0,22	0,96
0,063	3,99	0,04	0,04	0,92
< 0,063	> 3,99	0,97	0,92	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,92
Sand, fine (0,063 mm - 0,200 mm):	57,87
Sand, medium (0,2 mm - 0,6 mm):	40,22
Sand, coarse (0,6 mm - 2 mm):	0,66
Gravel (> 2 mm):	0,33
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,33	1,59
16%	84%	0,24	2,03
25%	75%	0,23	2,13
40%	60%	0,20	2,31
Median 50%	50%	0,18	2,44
75%	25%	0,15	2,73
84%	16%	0,14	2,84
90%	10%	0,13	2,93
95%	5%	0,13	3,00

Moments Statistics

Mean	2,44
Sorting	0,42
Skewness	-0,10
Kurtosis	0,97
Uniformity Coefficient	1,54

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

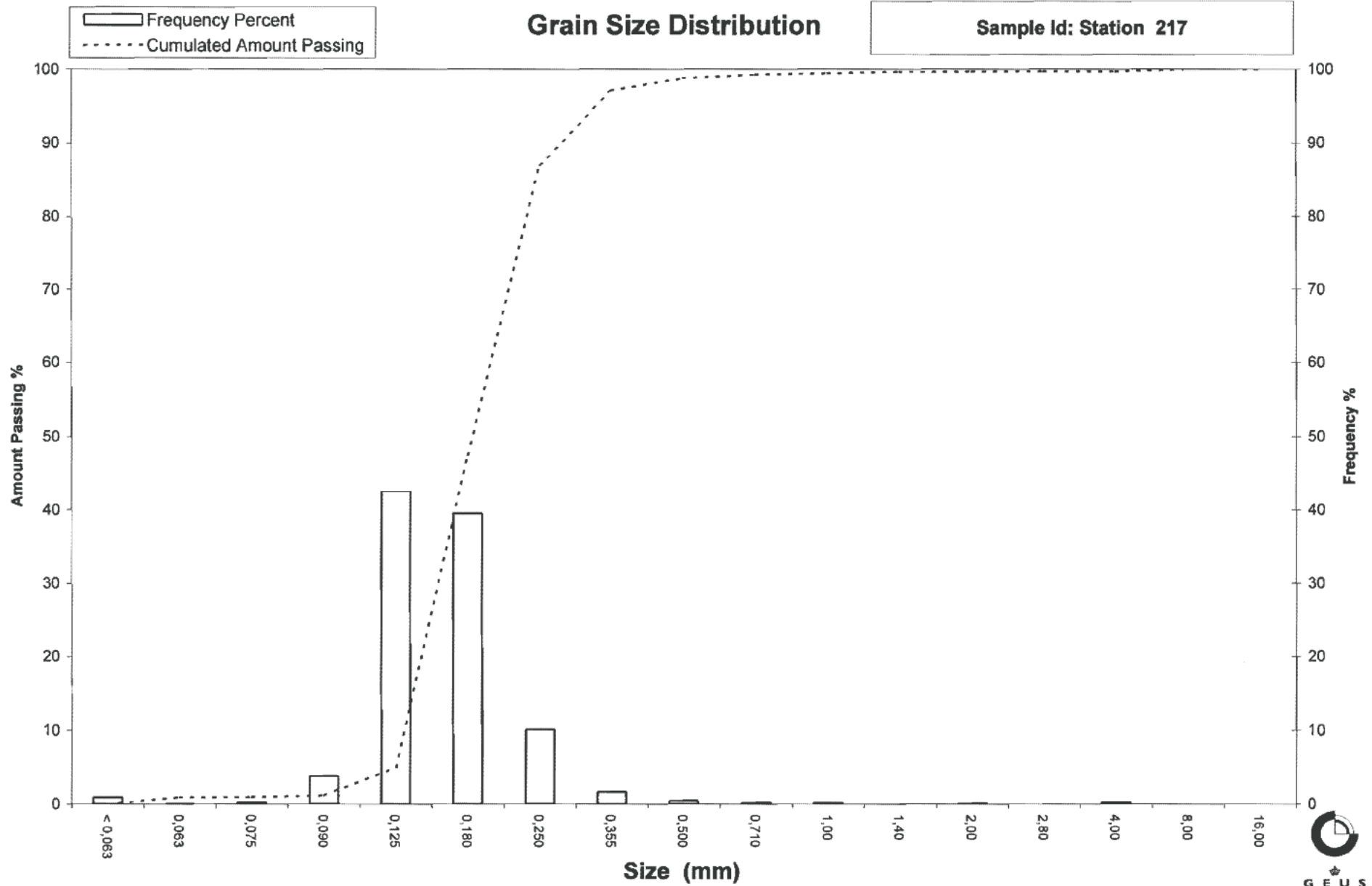
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 217



Grain Size Distribution

Geotechnical

Sample Id: Station 221
Lab. Id: 060699
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 104,87 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	3,74	3,57	96,43
4,00	-2,00	0,49	0,47	95,97
2,80	-1,49	0,12	0,11	95,85
2,00	-1,00	0,42	0,40	95,45
1,40	-0,49	0,27	0,26	95,19
1,00	0,00	0,23	0,22	94,97
0,710	0,49	0,35	0,33	94,64
0,500	1,00	1,14	1,09	93,55
0,355	1,49	3,83	3,65	89,90
0,250	2,00	11,24	10,72	79,18
0,180	2,47	32,45	30,94	48,24
0,125	3,00	44,56	42,49	5,75
0,090	3,47	4,49	4,28	1,47
0,075	3,74	0,26	0,25	1,22
0,063	3,99	0,02	0,02	1,20
< 0,063	> 3,99	1,26	1,20	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,20
Sand, fine (0,063 mm - 0,200 mm):	55,88
Sand, medium (0,2 mm - 0,6 mm):	36,99
Sand, coarse (0,6 mm - 2 mm):	1,38
Gravel (> 2 mm):	4,55
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,05	-0,07
16%	84%	0,30	1,75
25%	75%	0,24	2,06
40%	60%	0,21	2,28
Median 50%	50%	0,18	2,44
75%	25%	0,15	2,74
84%	16%	0,14	2,85
90%	10%	0,13	2,94
95%	5%	0,12	3,07

Moments Statistics

Mean	2,35
Sorting	0,75
Skewness	-0,43
Kurtosis	1,89
Uniformity Coefficient	1,58

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

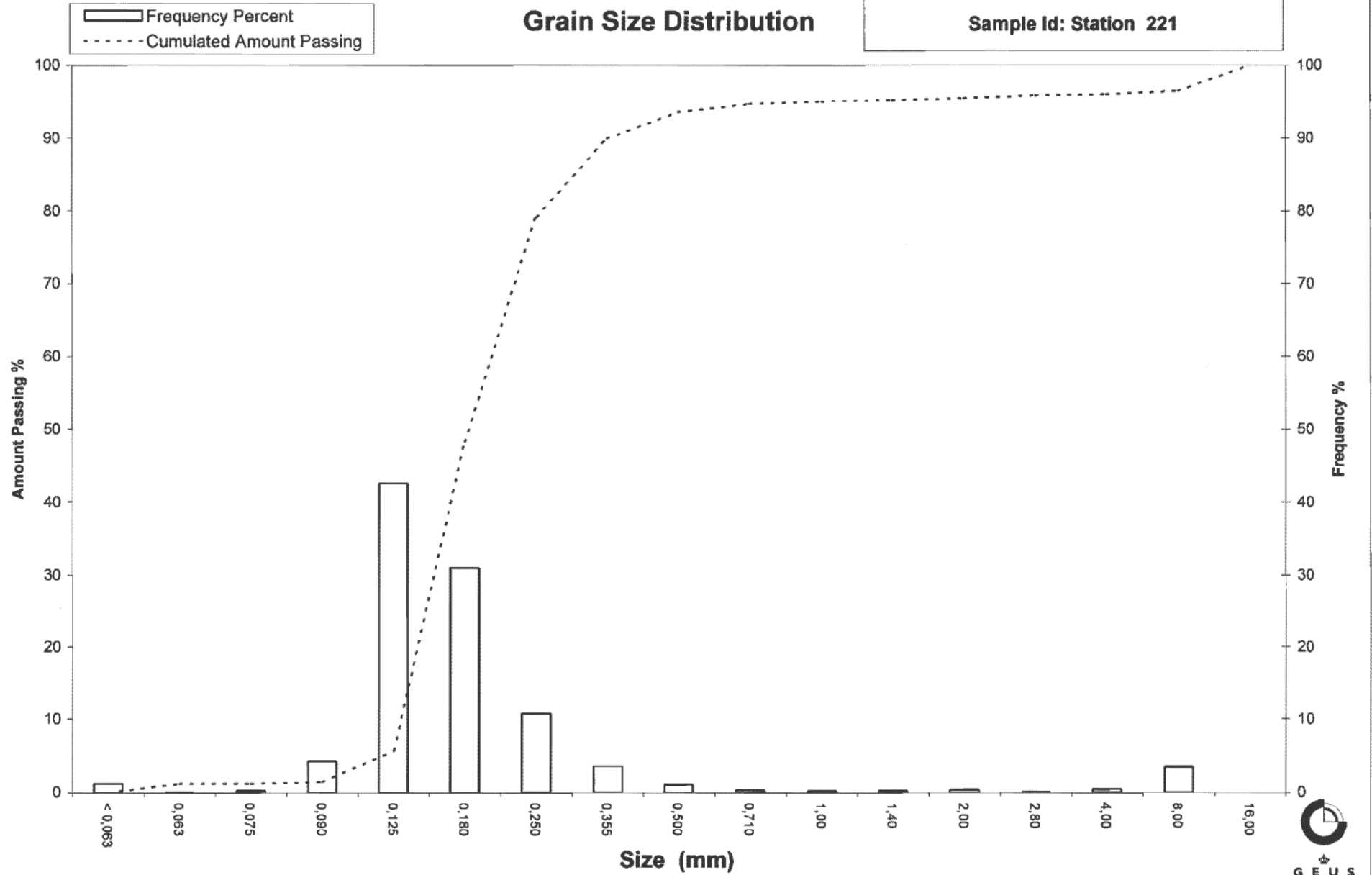
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 221



Grain Size Distribution

Geotechnical

Sample Id: Station 222
Lab. Id: 060700
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,72 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,71	0,65	99,35
4,00	-2,00	0,39	0,36	98,99
2,80	-1,49	0,19	0,17	98,81
2,00	-1,00	0,13	0,12	98,69
1,40	-0,49	0,19	0,17	98,52
1,00	0,00	0,18	0,17	98,35
0,710	0,49	0,33	0,30	98,05
0,500	1,00	1,01	0,93	97,12
0,355	1,49	3,56	3,27	93,85
0,250	2,00	10,94	10,06	83,78
0,180	2,47	34,26	31,51	52,27
0,125	3,00	49,86	45,86	6,41
0,090	3,47	5,38	4,95	1,46
0,075	3,74	0,26	0,24	1,22
0,063	3,99	0,06	0,06	1,17
< 0,063	> 3,99	1,27	1,17	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,17
Sand, fine (0,063 mm - 0,200 mm):	60,11
Sand, medium (0,2 mm - 0,6 mm):	36,29
Sand, coarse (0,6 mm - 2 mm):	1,13
Gravel (> 2 mm):	1,31
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,41	1,30
16%	84%	0,25	1,99
25%	75%	0,23	2,12
40%	60%	0,20	2,34
Median 50%	50%	0,18	2,50
75%	25%	0,15	2,76
84%	16%	0,14	2,87
90%	10%	0,13	2,95
95%	5%	0,12	3,12

Moments Statistics

Mean	2,45
Sorting	0,50
Skewness	-0,23
Kurtosis	1,15
Uniformity Coefficient	1,52

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

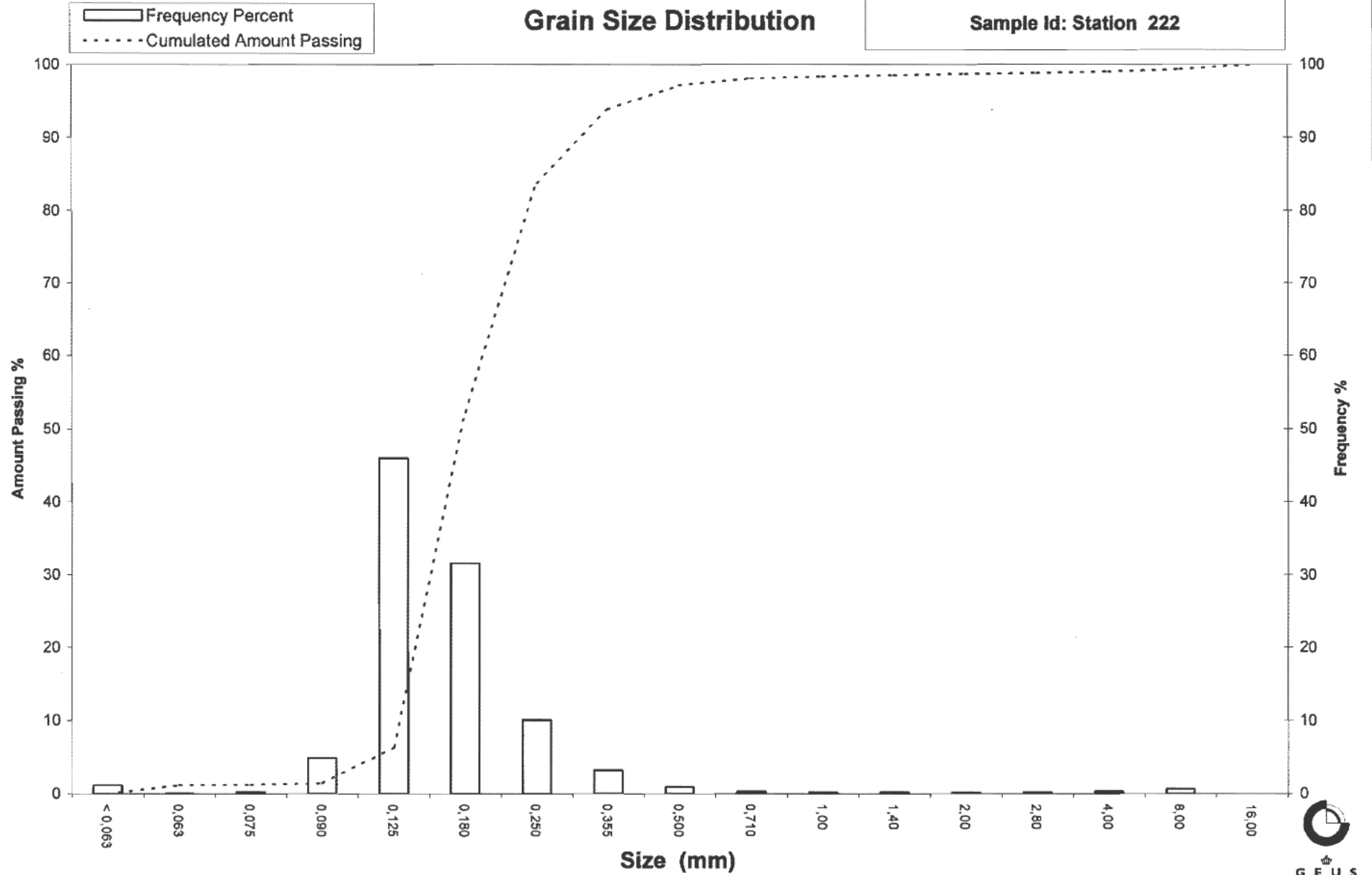
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgg-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 222



Grain Size Distribution

Geotechnical

Sample Id: Station 223
Lab. Id: 060701
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,24 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,09	0,08	99,92
2,80	-1,49	0,12	0,11	99,81
2,00	-1,00	0,27	0,25	99,56
1,40	-0,49	0,20	0,18	99,37
1,00	0,00	0,20	0,18	99,19
0,710	0,49	0,32	0,30	98,89
0,500	1,00	0,99	0,91	97,98
0,355	1,49	3,54	3,27	94,71
0,250	2,00	10,68	9,87	84,84
0,180	2,47	33,61	31,05	53,79
0,125	3,00	52,18	48,21	5,58
0,090	3,47	4,77	4,41	1,17
0,075	3,74	0,21	0,19	0,98
0,063	3,99	0,04	0,04	0,94
< 0,063	> 3,99	1,02	0,94	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,94
Sand, fine (0,063 mm - 0,200 mm):	61,72
Sand, medium (0,2 mm - 0,6 mm):	35,75
Sand, coarse (0,6 mm - 2 mm):	1,14
Gravel (> 2 mm):	0,44
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,37	1,44
16%	84%	0,25	2,01
25%	75%	0,23	2,13
40%	60%	0,19	2,37
Median 50%	50%	0,18	2,51
75%	25%	0,15	2,76
84%	16%	0,14	2,87
90%	10%	0,13	2,94
95%	5%	0,12	3,05

Moments Statistics

Mean	2,46
Sorting	0,46
Skewness	-0,24
Kurtosis	1,05
Uniformity Coefficient	1,49

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

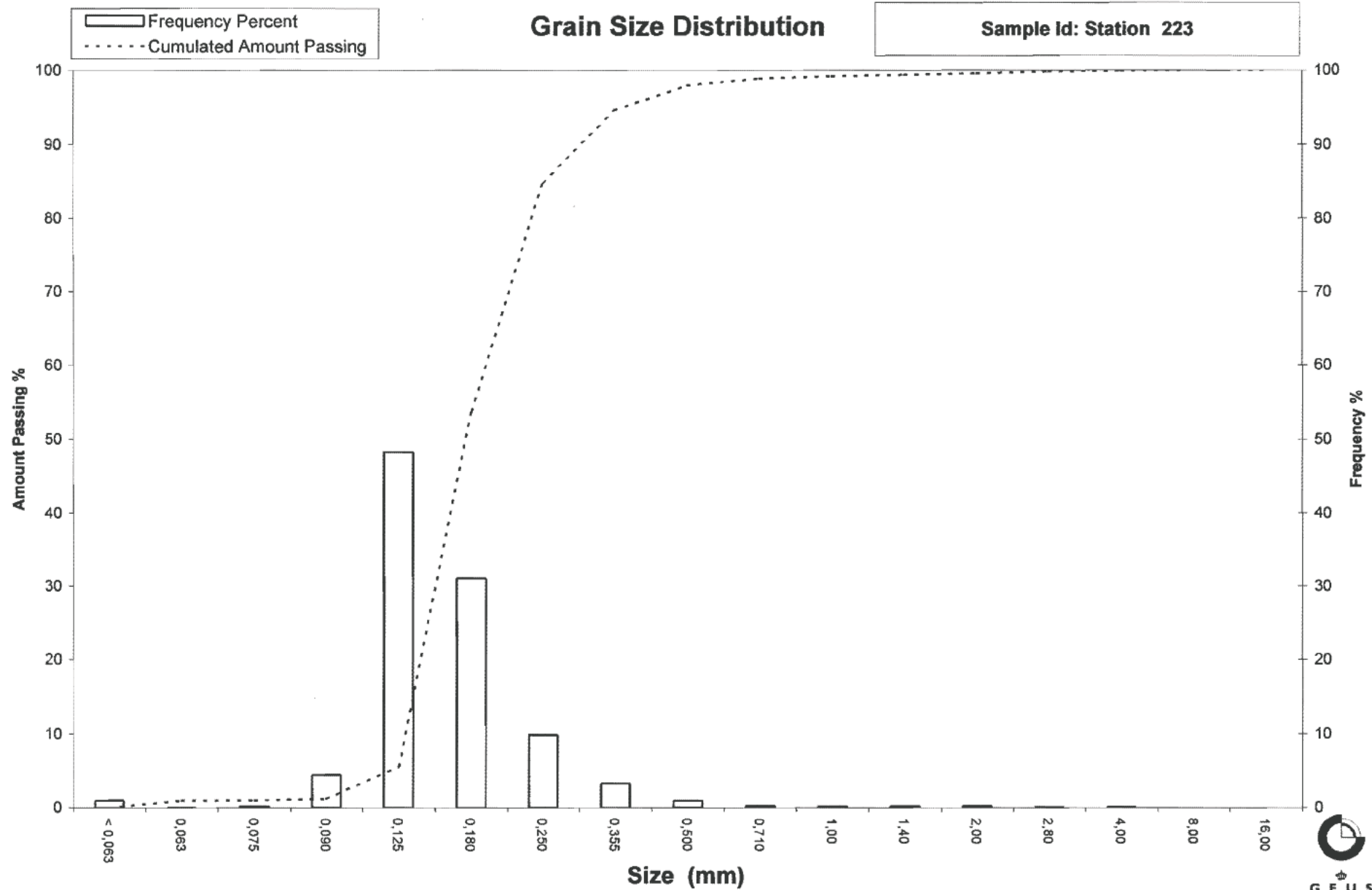
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 223



Grain Size Distribution

Geotechnical

Sample Id: Station 224
Lab. Id: 060702
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 101,47 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	2,36	2,33	97,67
4,00	-2,00	0,66	0,65	97,02
2,80	-1,49	0,22	0,22	96,81
2,00	-1,00	0,19	0,19	96,62
1,40	-0,49	0,19	0,19	96,43
1,00	0,00	0,39	0,38	96,05
0,710	0,49	0,38	0,37	95,67
0,500	1,00	0,87	0,86	94,82
0,355	1,49	3,01	2,97	91,85
0,250	2,00	9,84	9,70	82,15
0,180	2,47	31,01	30,56	51,59
0,125	3,00	46,52	45,85	5,75
0,090	3,47	5,15	5,08	0,67
0,075	3,74	0,25	0,25	0,42
0,063	3,99	0,03	0,03	0,39
< 0,063	> 3,99	0,40	0,39	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,39
Sand, fine (0,063 mm - 0,200 mm):	59,93
Sand, medium (0,2 mm - 0,6 mm):	34,90
Sand, coarse (0,6 mm - 2 mm):	1,40
Gravel (> 2 mm):	3,38
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,55	0,88
16%	84%	0,27	1,89
25%	75%	0,23	2,10
40%	60%	0,20	2,33
Median 50%	50%	0,18	2,49
75%	25%	0,15	2,76
84%	16%	0,14	2,86
90%	10%	0,13	2,94
95%	5%	0,12	3,06

Moments Statistics

Mean	2,41
Sorting	0,57
Skewness	-0,35
Kurtosis	1,36
Uniformity Coefficient	1,53

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

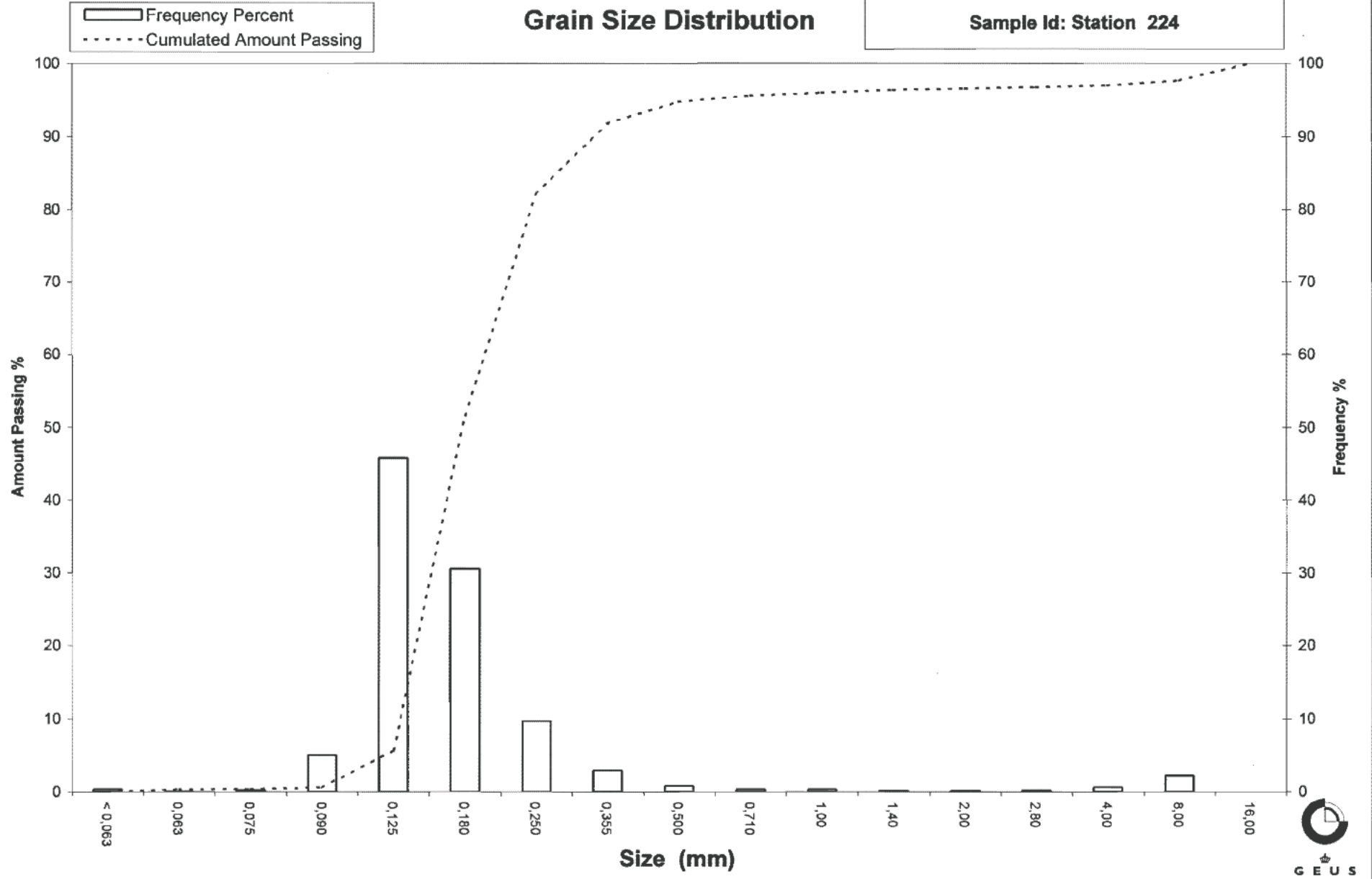
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 224



Grain Size Distribution

Geotechnical

Sample Id: Station 225
Lab. Id: 060703
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,09 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,65	0,63	99,37
4,00	-2,00	0,30	0,29	99,08
2,80	-1,49	0,43	0,42	98,66
2,00	-1,00	0,25	0,24	98,42
1,40	-0,49	0,28	0,27	98,15
1,00	0,00	0,46	0,45	97,70
0,710	0,49	0,60	0,58	97,12
0,500	1,00	1,77	1,72	95,40
0,355	1,49	5,37	5,21	90,19
0,250	2,00	11,69	11,34	78,85
0,180	2,47	31,65	30,70	48,15
0,125	3,00	43,73	42,42	5,73
0,090	3,47	4,33	4,20	1,53
0,075	3,74	0,19	0,18	1,35
0,063	3,99	0,03	0,03	1,32
< 0,063	> 3,99	1,36	1,32	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,32
Sand, fine (0,063 mm - 0,200 mm):	55,60
Sand, medium (0,2 mm - 0,6 mm):	39,30
Sand, coarse (0,6 mm - 2 mm):	2,20
Gravel (> 2 mm):	1,58
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,49	1,03
16%	84%	0,30	1,75
25%	75%	0,24	2,05
40%	60%	0,21	2,27
Median 50%	50%	0,18	2,44
75%	25%	0,15	2,74
84%	16%	0,14	2,85
90%	10%	0,13	2,94
95%	5%	0,12	3,07

Moments Statistics

Mean	2,35
Sorting	0,59
Skewness	-0,32
Kurtosis	1,22
Uniformity Coefficient	1,59

The analysis is executed according to DS 405.9
 extended by sieves to the ½ phi scale

Size Classes and Percentiles
 are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

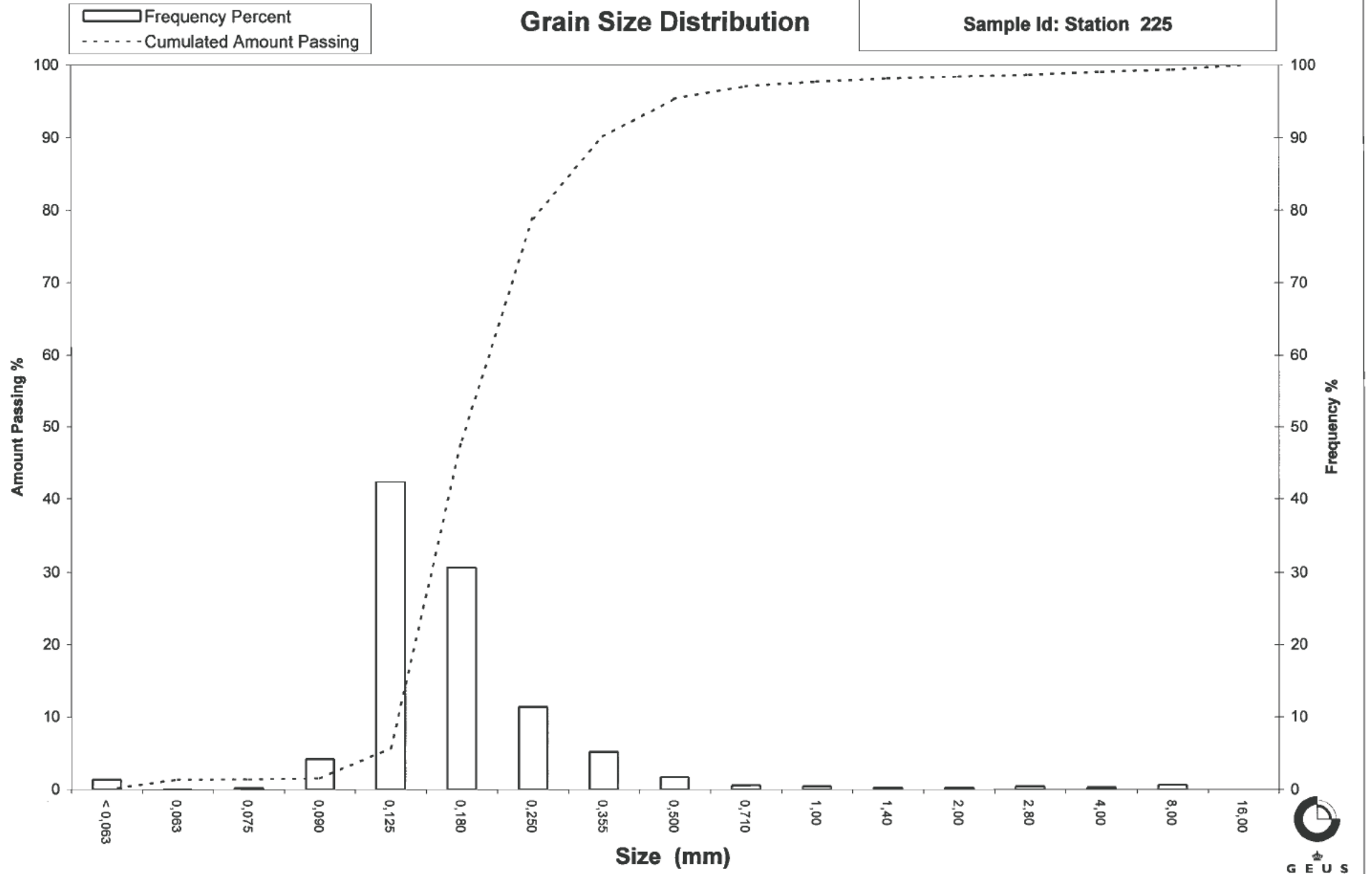
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on
 "Amount in sieve". Uniformity coefficient is based on
 "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 225



Grain Size Distribution

Geotechnical

Sample Id: Station 236
Lab. Id: 060704
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 214,22 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	10,29	4,80	95,20
4,00	-2,00	7,44	3,47	91,72
2,80	-1,49	3,23	1,51	90,22
2,00	-1,00	2,14	1,00	89,22
1,40	-0,49	1,66	0,77	88,44
1,00	0,00	1,15	0,54	87,90
0,710	0,49	1,32	0,62	87,29
0,500	1,00	2,06	0,96	86,33
0,355	1,49	5,14	2,40	83,93
0,250	2,00	19,45	9,08	74,85
0,180	2,47	62,29	29,08	45,77
0,125	3,00	84,16	39,29	6,48
0,090	3,47	11,46	5,35	1,13
0,075	3,74	0,53	0,25	0,89
0,063	3,99	0,10	0,05	0,84
< 0,063	> 3,99	1,80	0,84	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,84
Sand, fine (0,063 mm - 0,200 mm):	53,24
Sand, medium (0,2 mm - 0,6 mm):	32,71
Sand, coarse (0,6 mm - 2 mm):	2,43
Gravel (> 2 mm):	10,78
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	7,77	-2,96
16%	84%	0,36	1,48
25%	75%	0,25	1,99
40%	60%	0,21	2,22
Median 50%	50%	0,19	2,39
75%	25%	0,15	2,73
84%	16%	0,14	2,85
90%	10%	0,13	2,94
95%	5%	0,12	3,12

Moments Statistics

Mean	2,24
Sorting	1,26
Skewness	-0,55
Kurtosis	3,37
Uniformity Coefficient	1,65

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

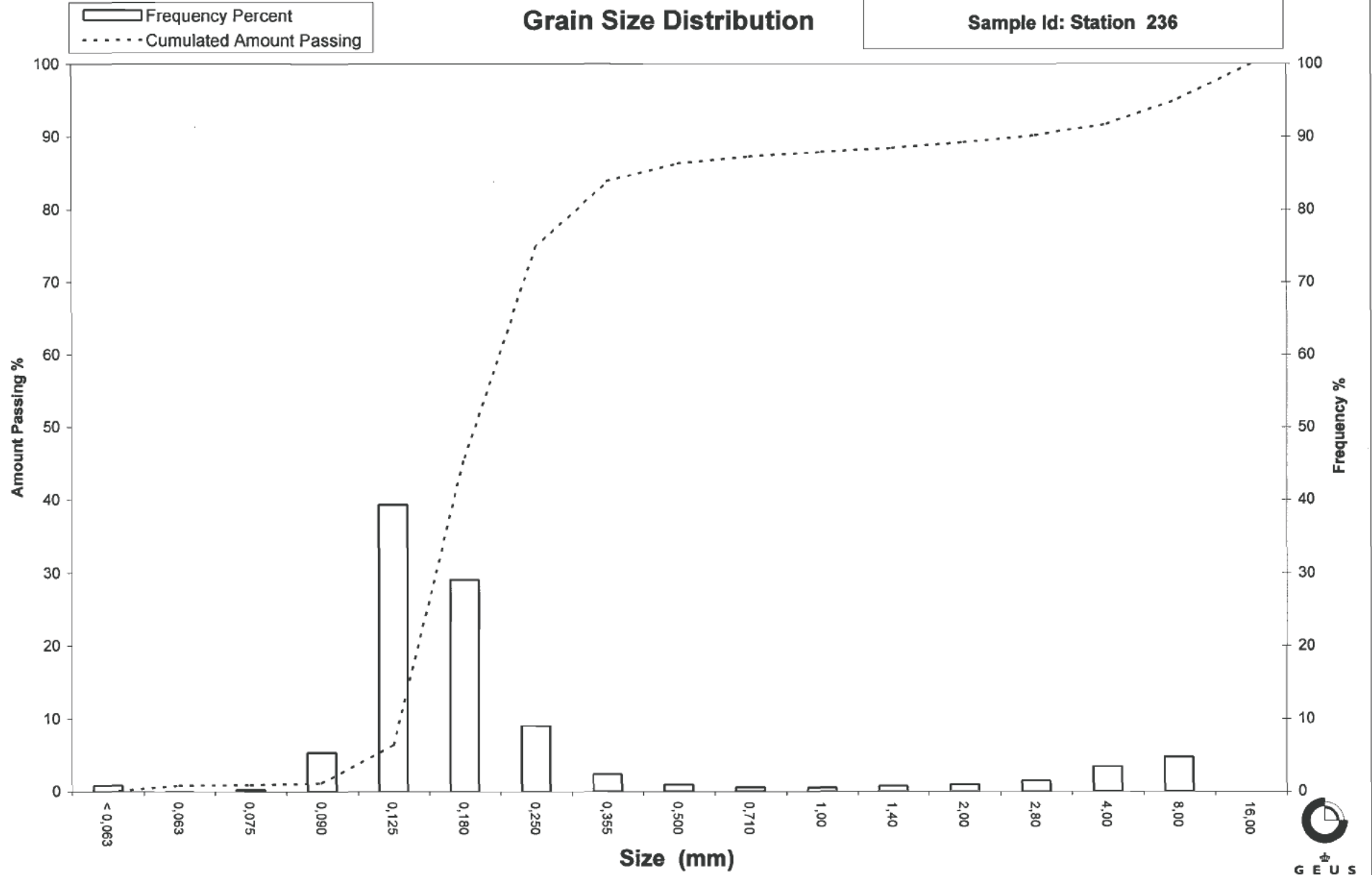
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 236



Grain Size Distribution

Geotechnical

Sample Id: Station 237
Lab. Id: 060705
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 201,16 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	8,38	4,17	95,83
4,00	-2,00	5,22	2,59	93,24
2,80	-1,49	2,52	1,25	91,99
2,00	-1,00	1,25	0,62	91,37
1,40	-0,49	1,17	0,58	90,78
1,00	0,00	1,16	0,58	90,21
0,710	0,49	1,01	0,50	89,70
0,500	1,00	1,48	0,74	88,97
0,355	1,49	4,05	2,01	86,96
0,250	2,00	14,56	7,24	79,72
0,180	2,47	60,32	29,99	49,73
0,125	3,00	84,18	41,85	7,88
0,090	3,47	13,26	6,59	1,29
0,075	3,74	0,57	0,28	1,01
0,063	3,99	0,12	0,06	0,95
< 0,063	> 3,99	1,91	0,95	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,95
Sand, fine (0,063 mm - 0,200 mm):	57,35
Sand, medium (0,2 mm - 0,6 mm):	31,02
Sand, coarse (0,6 mm - 2 mm):	2,05
Gravel (> 2 mm):	8,63
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	6,71	-2,75
16%	84%	0,31	1,68
25%	75%	0,24	2,06
40%	60%	0,20	2,29
Median 50%	50%	0,18	2,47
75%	25%	0,15	2,76
84%	16%	0,14	2,88
90%	10%	0,13	2,97
95%	5%	0,11	3,19

Moments Statistics

Mean	2,34
Sorting	1,20
Skewness	-0,54
Kurtosis	3,49
Uniformity Coefficient	1,60

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

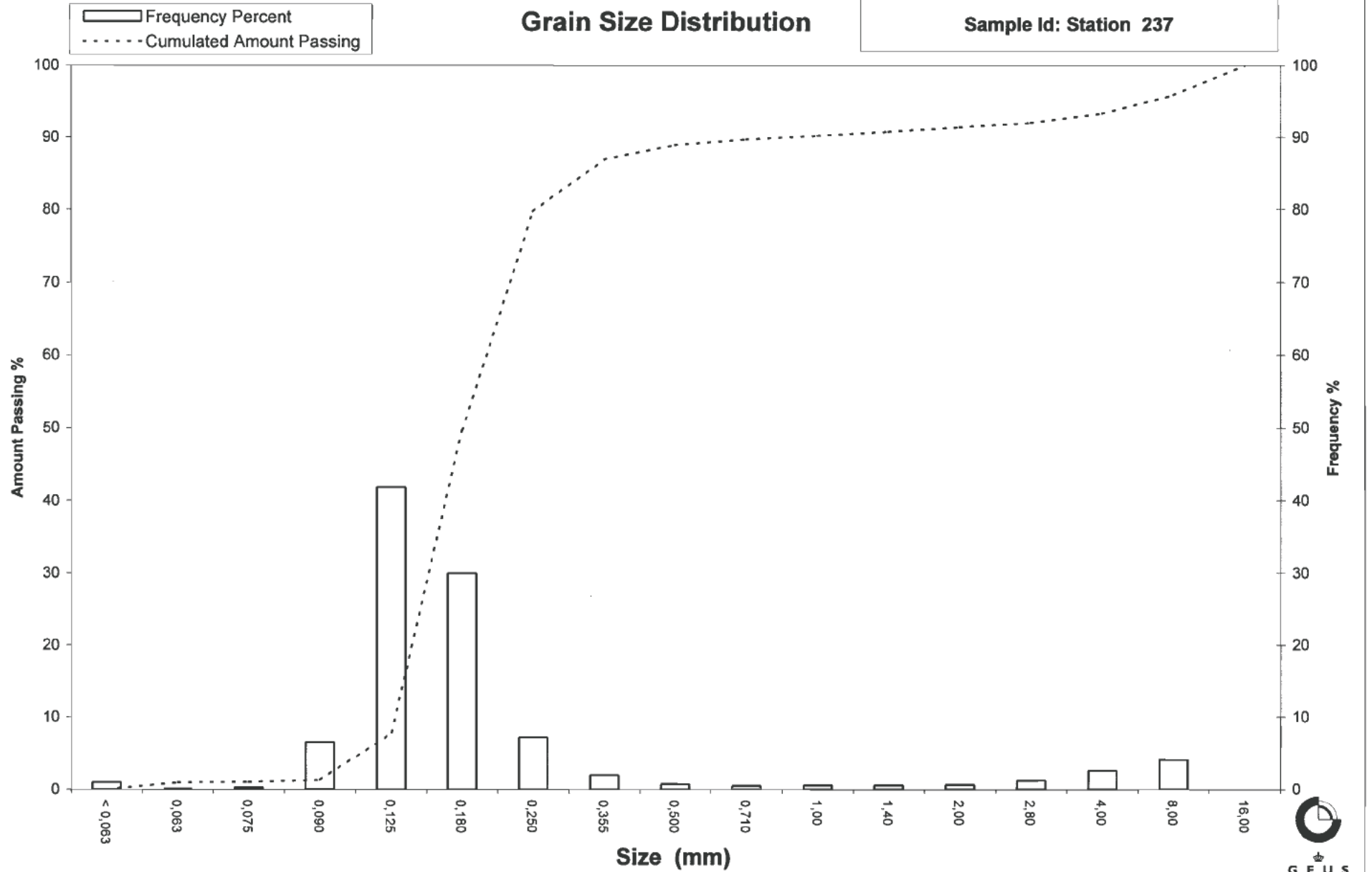
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 237



Grain Size Distribution

Geotechnical

Sample Id: Station 238
Lab. Id: 060706
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 501,65 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	passing %
16,00	-4,00	7,38	1,47	98,53
8,00	-3,00	27,29	5,44	93,09
4,00	-2,00	23,65	4,71	88,37
2,80	-1,49	8,85	1,76	86,61
2,00	-1,00	14,35	2,86	83,75
1,40	-0,49	3,37	0,67	83,08
1,00	0,00	3,37	0,67	82,41
0,710	0,49	3,52	0,70	81,70
0,500	1,00	4,84	0,97	80,74
0,355	1,49	12,48	2,49	78,25
0,250	2,00	40,89	8,15	70,10
0,180	2,47	129,22	25,76	44,34
0,125	3,00	187,94	37,47	6,88
0,090	3,47	31,82	6,34	0,53
0,075	3,74	1,22	0,24	0,29
0,063	3,99	0,29	0,06	0,23
< 0,063	> 3,99	1,17	0,23	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,23
Sand, fine (0,063 mm - 0,200 mm):	51,47
Sand, medium (0,2 mm - 0,6 mm):	29,50
Sand, coarse (0,6 mm - 2 mm):	2,55
Gravel (> 2 mm):	16,25
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	10,81	-3,43
16%	84%	2,07	-1,05
25%	75%	0,31	1,68
40%	60%	0,22	2,17
Median 50%	50%	0,20	2,36
75%	25%	0,15	2,72
84%	16%	0,14	2,85
90%	10%	0,13	2,95
95%	5%	0,11	3,12

Moments Statistics

Mean	1,39
Sorting	1,97
Skewness	-0,76
Kurtosis	2,57
Uniformity Coefficient	1,72

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

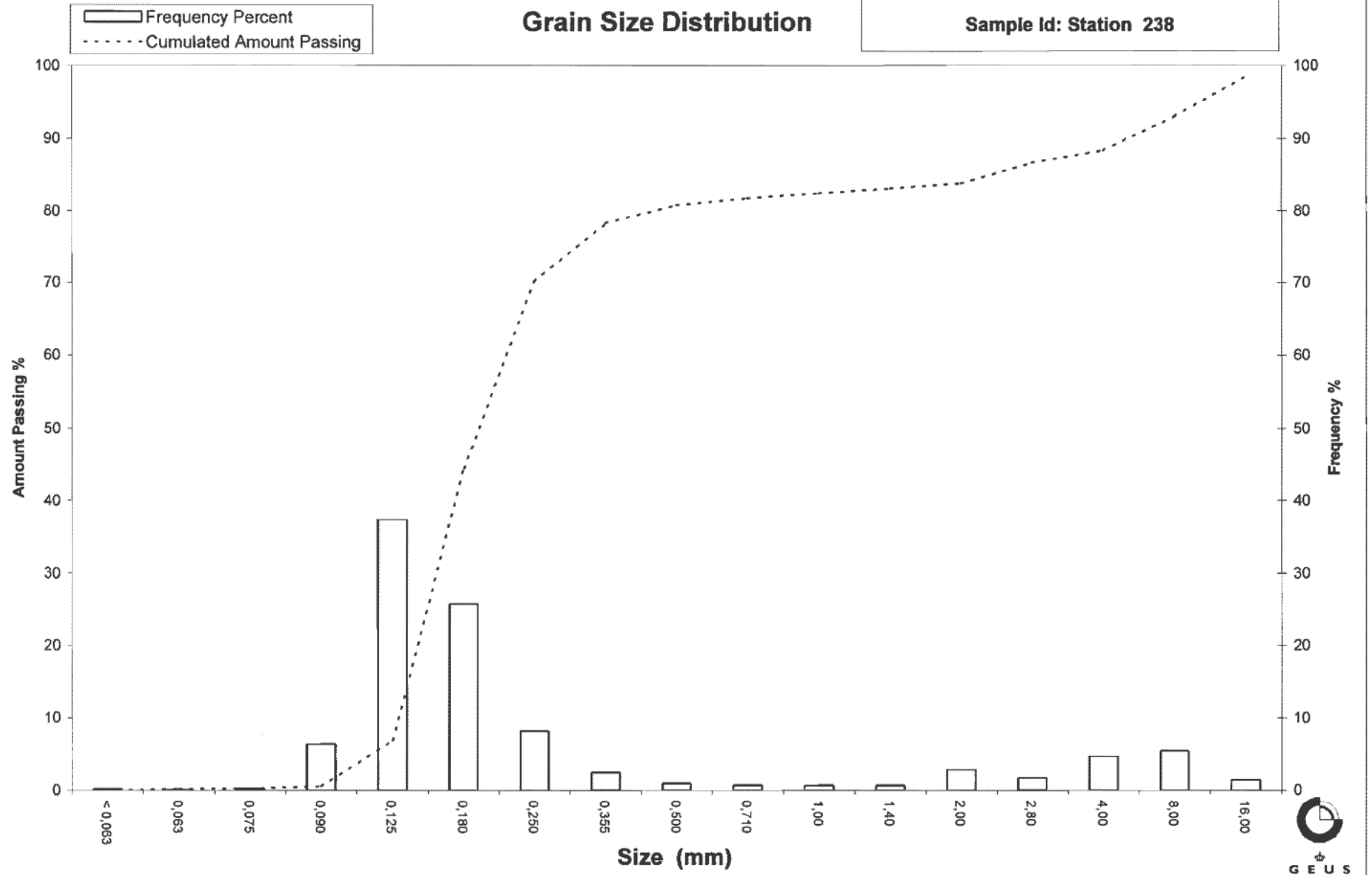
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgg-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 238



Grain Size Distribution

Geotechnical

Sample Id: Station 239
Lab. Id: 060707
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 209,35 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	9,53	4,55	95,45
4,00	-2,00	7,35	3,51	91,94
2,80	-1,49	2,18	1,04	90,90
2,00	-1,00	1,17	0,56	90,34
1,40	-0,49	1,21	0,58	89,76
1,00	0,00	1,02	0,49	89,27
0,710	0,49	1,02	0,49	88,78
0,500	1,00	1,78	0,85	87,93
0,355	1,49	4,59	2,19	85,74
0,250	2,00	18,31	8,75	77,00
0,180	2,47	65,28	31,18	45,81
0,125	3,00	81,70	39,03	6,79
0,090	3,47	11,45	5,47	1,32
0,075	3,74	0,54	0,26	1,06
0,063	3,99	0,10	0,05	1,01
< 0,063	> 3,99	2,12	1,01	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,01
Sand, fine (0,063 mm - 0,200 mm):	53,71
Sand, medium (0,2 mm - 0,6 mm):	33,62
Sand, coarse (0,6 mm - 2 mm):	2,00
Gravel (> 2 mm):	9,66
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	7,49	-2,90
16%	84%	0,33	1,58
25%	75%	0,25	2,03
40%	60%	0,21	2,24
Median 50%	50%	0,19	2,40
75%	25%	0,15	2,73
84%	16%	0,14	2,86
90%	10%	0,13	2,95
95%	5%	0,11	3,14

Moments Statistics

Mean	2,28
Sorting	1,23
Skewness	-0,52
Kurtosis	3,52
Uniformity Coefficient	1,64

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

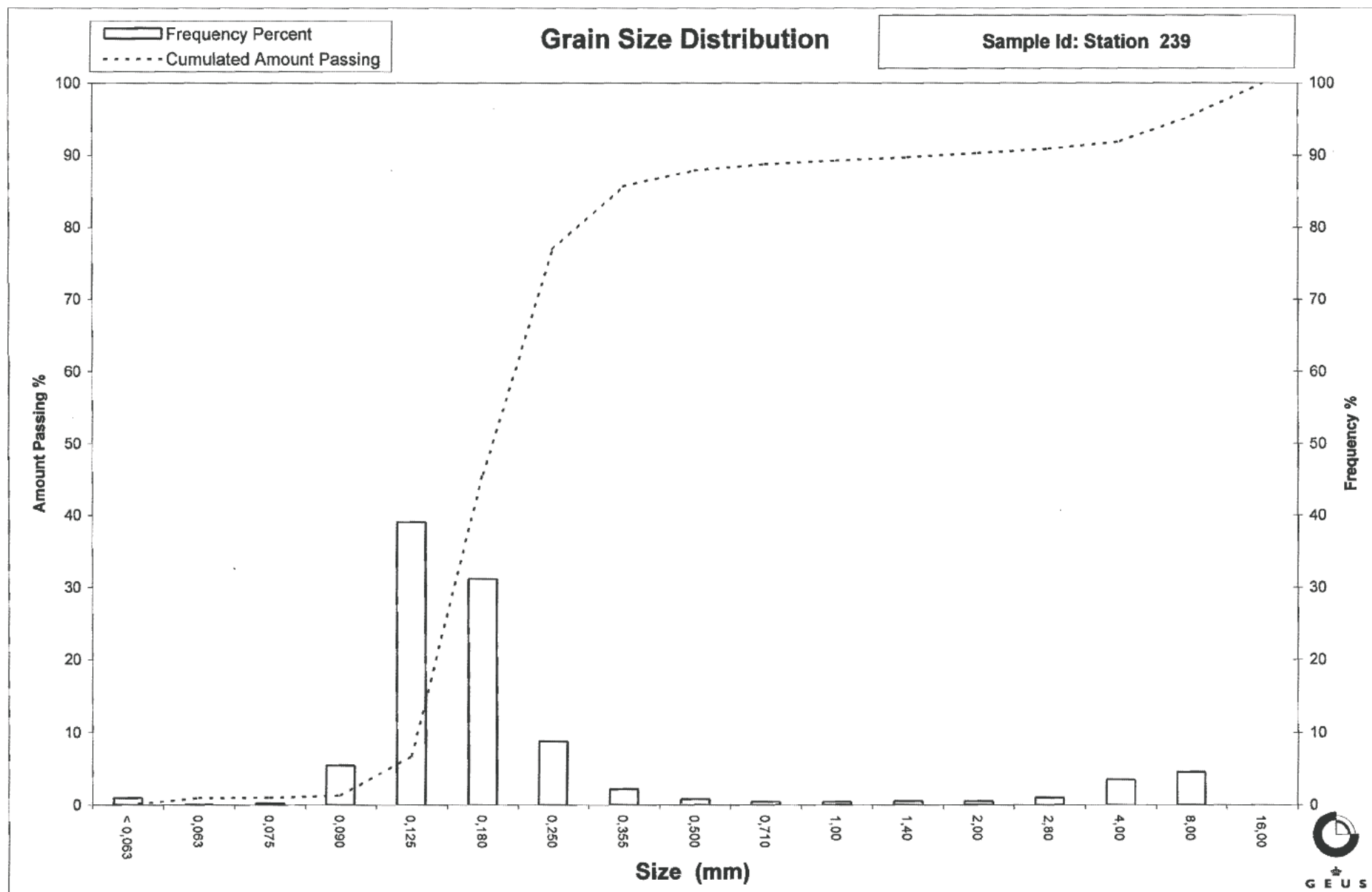
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 240
Lab. Id: 060708
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,33 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	3,60	3,32	96,68
4,00	-2,00	1,55	1,43	95,25
2,80	-1,49	0,86	0,79	94,45
2,00	-1,00	0,63	0,58	93,87
1,40	-0,49	0,55	0,51	93,36
1,00	0,00	0,88	0,81	92,55
0,710	0,49	0,73	0,67	91,88
0,500	1,00	1,11	1,02	90,85
0,355	1,49	3,12	2,88	87,97
0,250	2,00	10,52	9,71	78,26
0,180	2,47	36,11	33,33	44,93
0,125	3,00	42,45	39,19	5,74
0,090	3,47	4,80	4,43	1,31
0,075	3,74	0,17	0,16	1,15
0,063	3,99	0,02	0,02	1,14
< 0,063	> 3,99	1,23	1,14	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,14
Sand, fine (0,063 mm - 0,200 mm):	53,32
Sand, medium (0,2 mm - 0,6 mm):	36,89
Sand, coarse (0,6 mm - 2 mm):	2,53
Gravel (> 2 mm):	6,13
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	3,63	-1,86
16%	84%	0,31	1,68
25%	75%	0,24	2,04
40%	60%	0,21	2,24
Median 50%	50%	0,19	2,39
75%	25%	0,15	2,72
84%	16%	0,14	2,84
90%	10%	0,13	2,93
95%	5%	0,12	3,07

Moments Statistics

Mean	2,30
Sorting	1,04
Skewness	-0,47
Kurtosis	2,98
Uniformity Coefficient	1,62

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

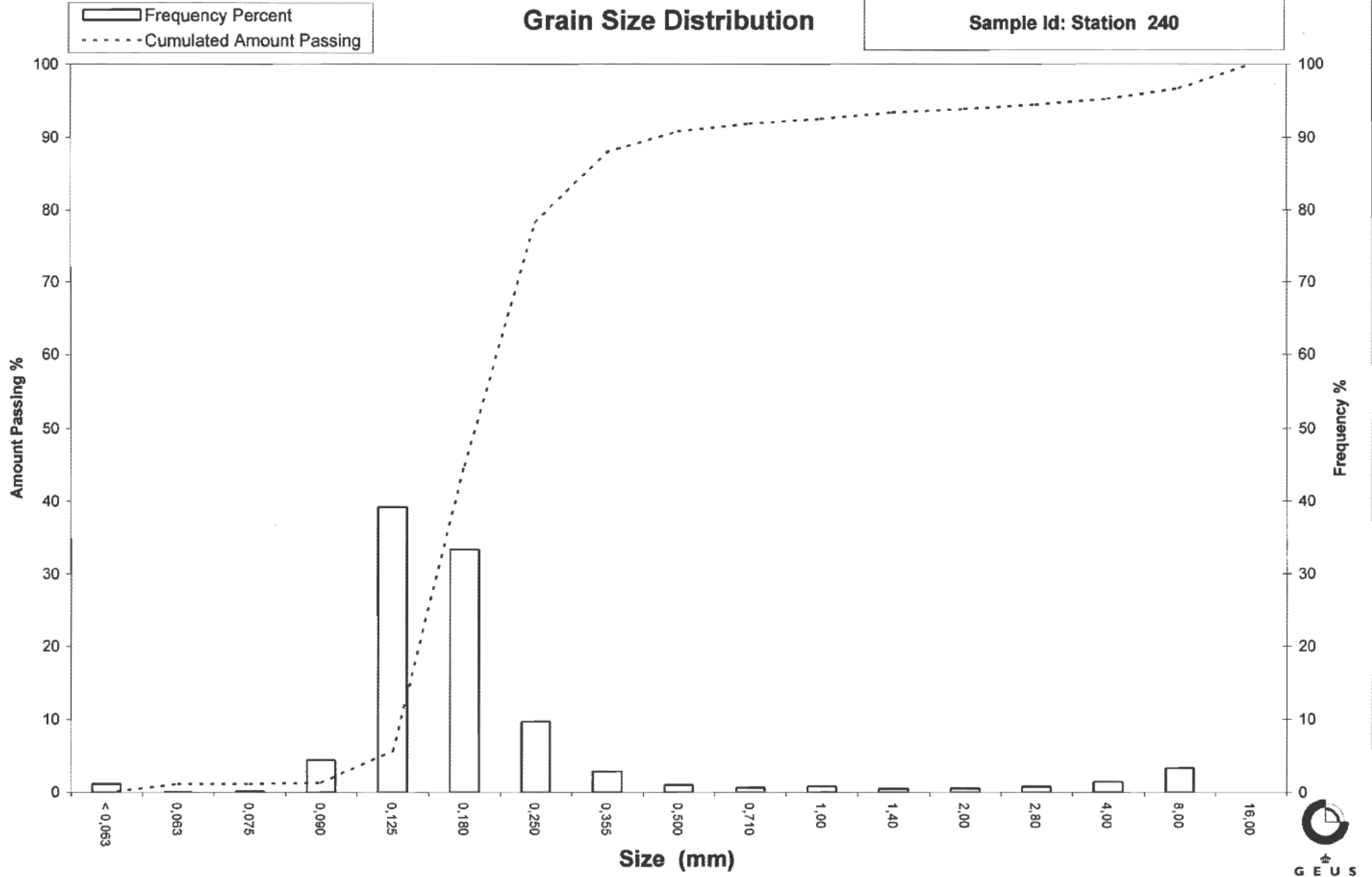
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 240



Grain Size Distribution

Geotechnical

Sample Id: Station 251
Lab. Id: 060709
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,35 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,05	0,05	99,95
1,40	-0,49	0,04	0,04	99,92
1,00	0,00	0,03	0,03	99,89
0,710	0,49	0,01	0,01	99,88
0,500	1,00	0,09	0,08	99,80
0,355	1,49	0,44	0,41	99,39
0,250	2,00	4,63	4,27	95,12
0,180	2,47	33,07	30,52	64,60
0,125	3,00	60,50	55,84	8,76
0,090	3,47	7,49	6,91	1,85
0,075	3,74	0,51	0,47	1,38
0,063	3,99	0,15	0,14	1,24
< 0,063	> 3,99	1,34	1,24	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,24
Sand, fine (0,063 mm - 0,200 mm):	72,08
Sand, medium (0,2 mm - 0,6 mm):	26,52
Sand, coarse (0,6 mm - 2 mm):	0,12
Gravel (> 2 mm):	0,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,25	2,00
16%	84%	0,22	2,16
25%	75%	0,20	2,29
40%	60%	0,18	2,51
Median 50%	50%	0,17	2,59
75%	25%	0,14	2,83
84%	16%	0,13	2,92
90%	10%	0,13	2,99
95%	5%	0,11	3,24

Moments Statistics

Mean	2,56
Sorting	0,38
Skewness	-0,05
Kurtosis	0,95
Uniformity Coefficient	1,39

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

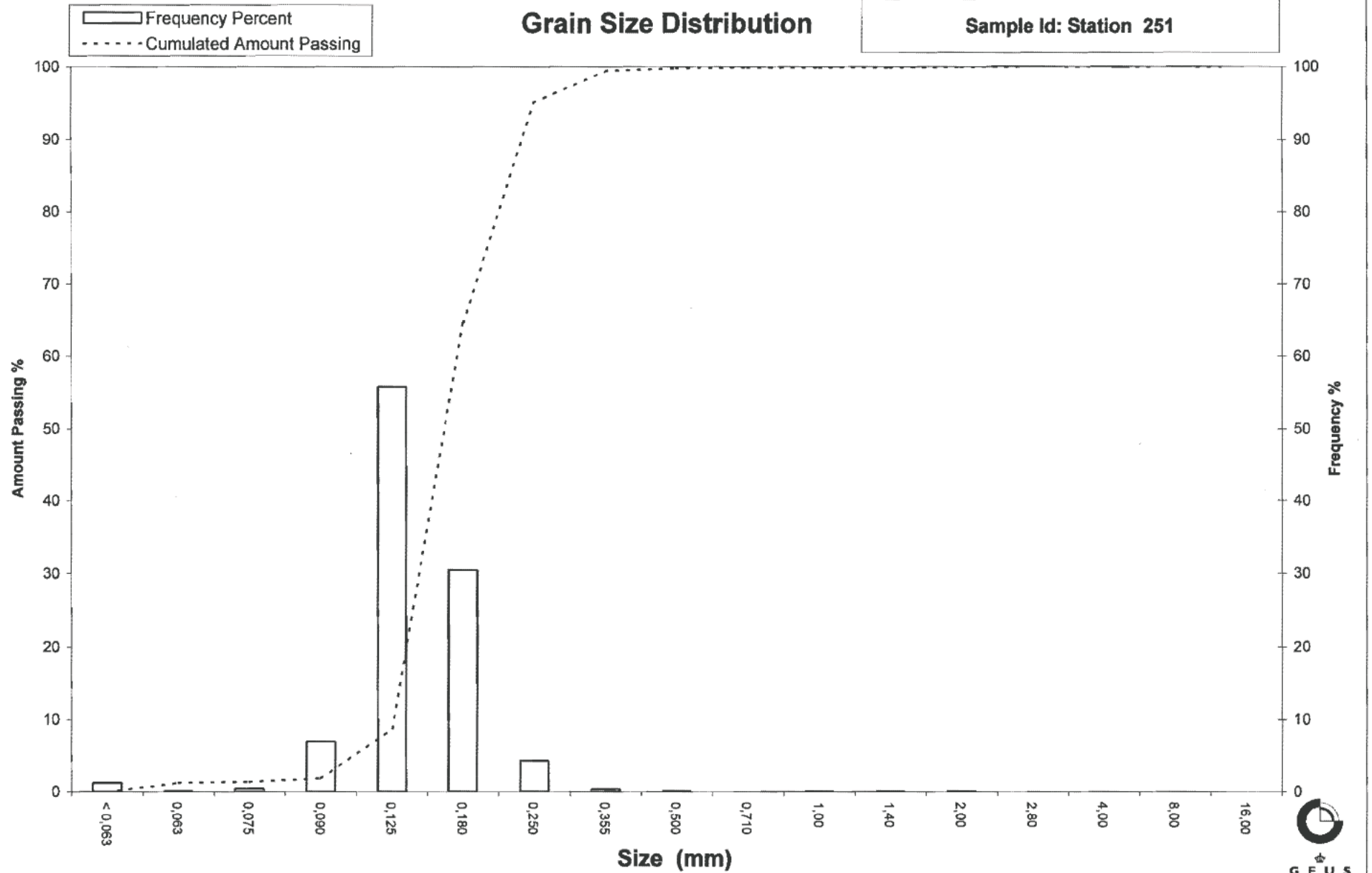
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 251



Grain Size Distribution

Geotechnical

Sample Id: Station 252
Lab. Id: 060710
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,18 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,02	99,98
2,00	-1,00	0,00	0,00	99,98
1,40	-0,49	0,03	0,03	99,95
1,00	0,00	0,02	0,02	99,93
0,710	0,49	0,03	0,03	99,91
0,500	1,00	0,05	0,05	99,86
0,355	1,49	0,28	0,26	99,60
0,250	2,00	3,99	3,76	95,84
0,180	2,47	32,00	30,14	65,70
0,125	3,00	59,92	56,43	9,27
0,090	3,47	7,94	7,48	1,79
0,075	3,74	0,51	0,48	1,31
0,063	3,99	0,12	0,11	1,20
< 0,063	> 3,99	1,27	1,20	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,20
Sand, fine (0,063 mm - 0,200 mm):	73,11
Sand, medium (0,2 mm - 0,6 mm):	25,57
Sand, coarse (0,6 mm - 2 mm):	0,10
Gravel (> 2 mm):	0,02
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,25	2,01
16%	84%	0,22	2,17
25%	75%	0,20	2,31
40%	60%	0,17	2,52
Median 50%	50%	0,16	2,60
75%	25%	0,14	2,83
84%	16%	0,13	2,93
90%	10%	0,13	2,99
95%	5%	0,11	3,25

Moments Statistics

Mean	2,57
Sorting	0,38
Skewness	-0,05
Kurtosis	0,97
Uniformity Coefficient	1,39

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

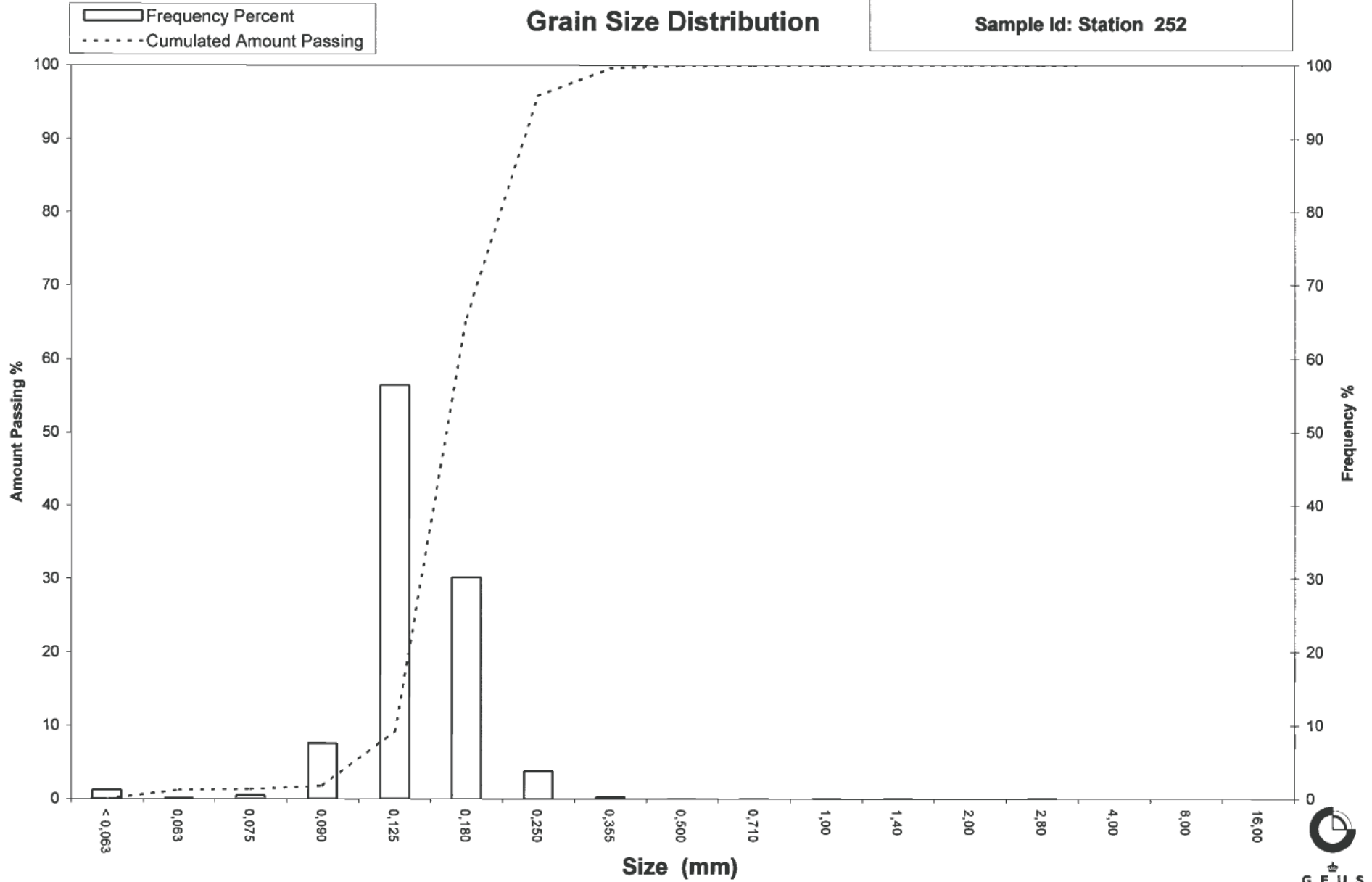
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 252



Grain Size Distribution

Geotechnical

Sample Id: Station 253
Lab. Id: 060711
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 107,48 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,02	99,98
2,00	-1,00	0,01	0,01	99,97
1,40	-0,49	0,03	0,03	99,94
1,00	0,00	0,18	0,17	99,78
0,710	0,49	0,18	0,17	99,61
0,500	1,00	0,16	0,15	99,46
0,355	1,49	0,41	0,38	99,08
0,250	2,00	3,80	3,54	95,54
0,180	2,47	31,81	29,60	65,95
0,125	3,00	61,26	57,00	8,95
0,090	3,47	8,06	7,50	1,45
0,075	3,74	0,43	0,40	1,05
0,063	3,99	0,12	0,11	0,94
< 0,063	> 3,99	1,01	0,94	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,94
Sand, fine (0,063 mm - 0,200 mm):	73,46
Sand, medium (0,2 mm - 0,6 mm):	25,13
Sand, coarse (0,6 mm - 2 mm):	0,44
Gravel (> 2 mm):	0,03
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,25	2,01
16%	84%	0,22	2,17
25%	75%	0,20	2,31
40%	60%	0,17	2,52
Median 50%	50%	0,16	2,60
75%	25%	0,14	2,83
84%	16%	0,13	2,92
90%	10%	0,13	2,99
95%	5%	0,11	3,23

Moments Statistics

Mean	2,56
Sorting	0,37
Skewness	-0,06
Kurtosis	0,96
Uniformity Coefficient	1,38

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

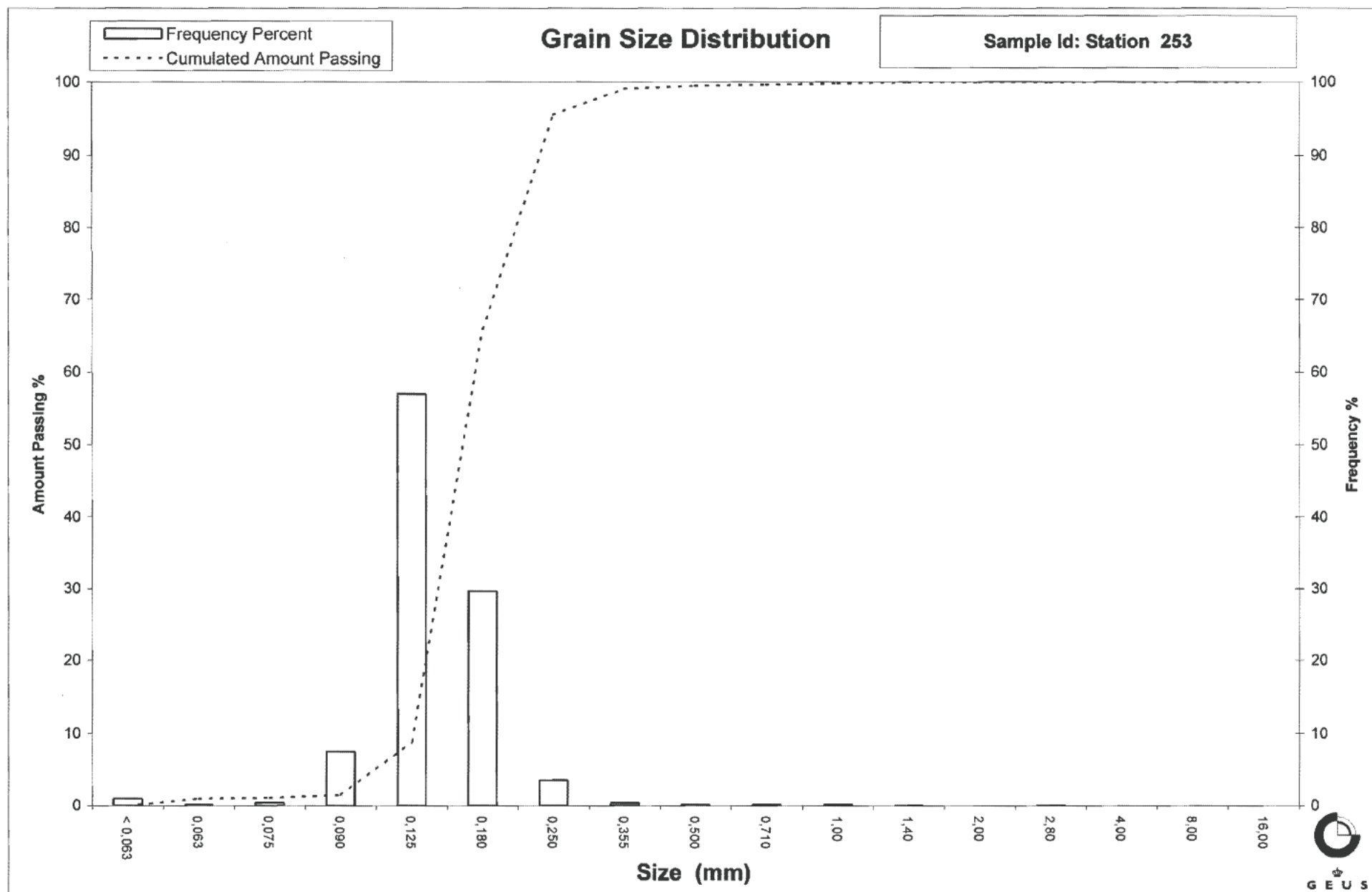
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 254
Lab. Id: 060712
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 101,77 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,09	0,09	99,91
1,00	0,00	0,07	0,07	99,84
0,710	0,49	0,04	0,04	99,80
0,500	1,00	0,06	0,06	99,74
0,355	1,49	0,25	0,25	99,50
0,250	2,00	4,01	3,94	95,56
0,180	2,47	30,50	29,97	65,59
0,125	3,00	58,30	57,29	8,30
0,090	3,47	6,93	6,81	1,49
0,075	3,74	0,42	0,41	1,08
0,063	3,99	0,09	0,09	0,99
< 0,063	> 3,99	1,01	0,99	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,99
Sand, fine (0,063 mm - 0,200 mm):	73,16
Sand, medium (0,2 mm - 0,6 mm):	25,62
Sand, coarse (0,6 mm - 2 mm):	0,23
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,25	2,01
16%	84%	0,22	2,16
25%	75%	0,20	2,31
40%	60%	0,17	2,52
Median 50%	50%	0,17	2,60
75%	25%	0,14	2,83
84%	16%	0,13	2,92
90%	10%	0,13	2,98
95%	5%	0,11	3,21

Moments Statistics

Mean	2,56
Sorting	0,37
Skewness	-0,07
Kurtosis	0,95
Uniformity Coefficient	1,38

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

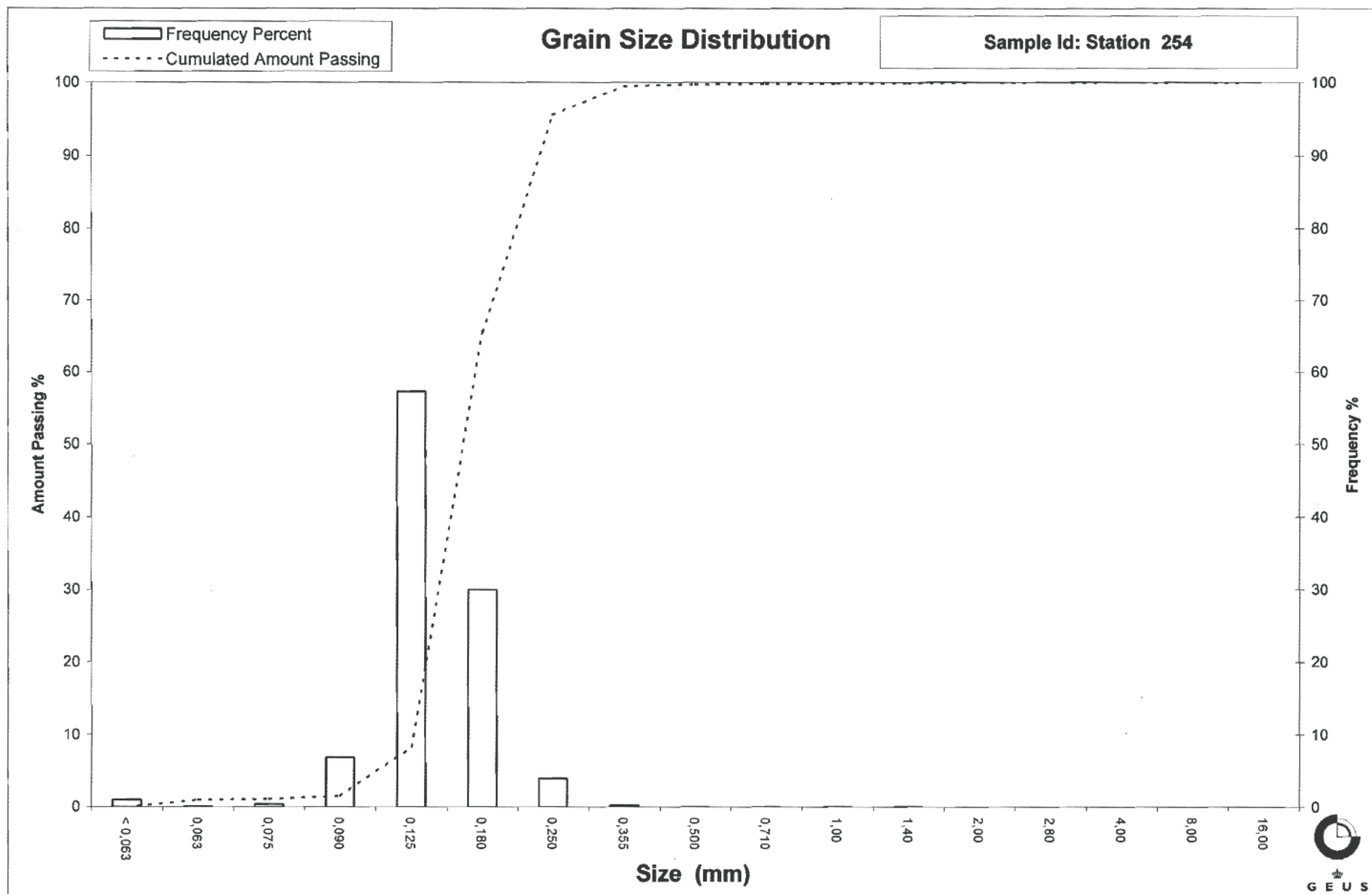
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 255
Lab. Id: 060713
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 102,58 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,18	0,18	99,82
2,80	-1,49	0,00	0,00	99,82
2,00	-1,00	0,07	0,07	99,76
1,40	-0,49	0,04	0,04	99,72
1,00	0,00	0,02	0,02	99,70
0,710	0,49	0,01	0,01	99,69
0,500	1,00	0,10	0,10	99,59
0,355	1,49	0,50	0,49	99,10
0,250	2,00	5,12	4,99	94,11
0,180	2,47	33,41	32,57	61,54
0,125	3,00	54,74	53,36	8,18
0,090	3,47	6,87	6,70	1,48
0,075	3,74	0,36	0,35	1,13
0,063	3,99	0,08	0,08	1,05
< 0,063	> 3,99	1,08	1,05	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,05
Sand, fine (0,063 mm - 0,200 mm):	69,80
Sand, medium (0,2 mm - 0,6 mm):	28,79
Sand, coarse (0,6 mm - 2 mm):	0,12
Gravel (> 2 mm):	0,24
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,27	1,90
16%	84%	0,23	2,13
25%	75%	0,21	2,26
40%	60%	0,18	2,49
Median 50%	50%	0,17	2,57
75%	25%	0,14	2,81
84%	16%	0,13	2,91
90%	10%	0,13	2,98
95%	5%	0,11	3,21

Moments Statistics

Mean	2,54
Sorting	0,39
Skewness	-0,08
Kurtosis	0,97
Uniformity Coefficient	1,41

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

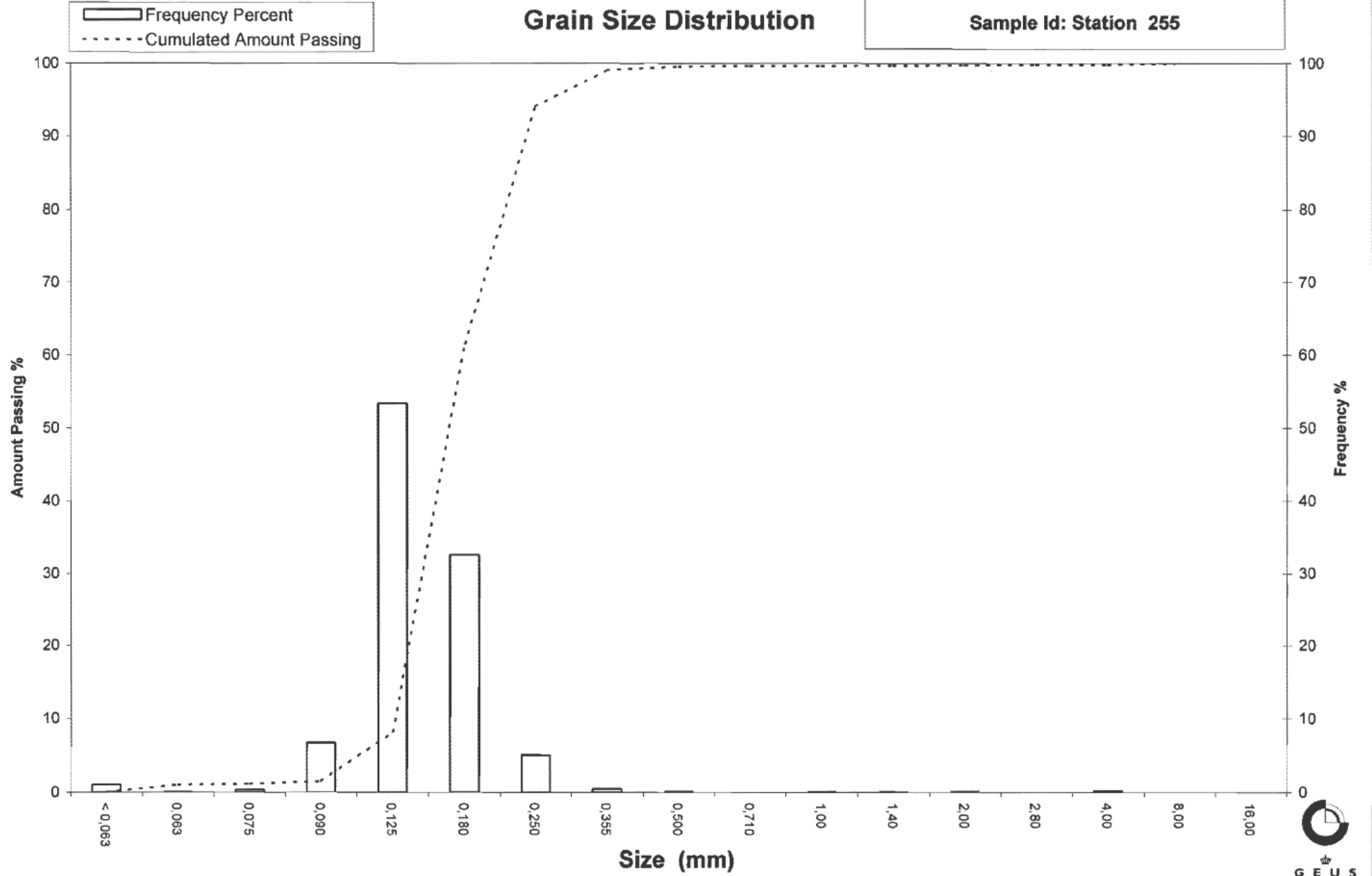
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 255



Grain Size Distribution

Geotechnical

Sample Id: Station 261
Lab. Id: 060714
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 100,62 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,08	0,08	99,92
1,00	0,00	0,03	0,03	99,89
0,710	0,49	0,02	0,02	99,87
0,500	1,00	0,09	0,09	99,78
0,355	1,49	0,32	0,32	99,46
0,250	2,00	4,70	4,67	94,79
0,180	2,47	30,99	30,80	63,99
0,125	3,00	54,69	54,35	9,64
0,090	3,47	8,09	8,04	1,60
0,075	3,74	0,46	0,46	1,14
0,063	3,99	0,12	0,12	1,02
< 0,063	> 3,99	1,03	1,02	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,02
Sand, fine (0,063 mm - 0,200 mm):	71,77
Sand, medium (0,2 mm - 0,6 mm):	27,03
Sand, coarse (0,6 mm - 2 mm):	0,18
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,25	1,97
16%	84%	0,23	2,15
25%	75%	0,21	2,29
40%	60%	0,18	2,51
Median 50%	50%	0,17	2,59
75%	25%	0,14	2,83
84%	16%	0,13	2,93
90%	10%	0,13	3,00
95%	5%	0,10	3,25

Moments Statistics

Mean	2,56
Sorting	0,39
Skewness	-0,05
Kurtosis	0,96
Uniformity Coefficient	1,40

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

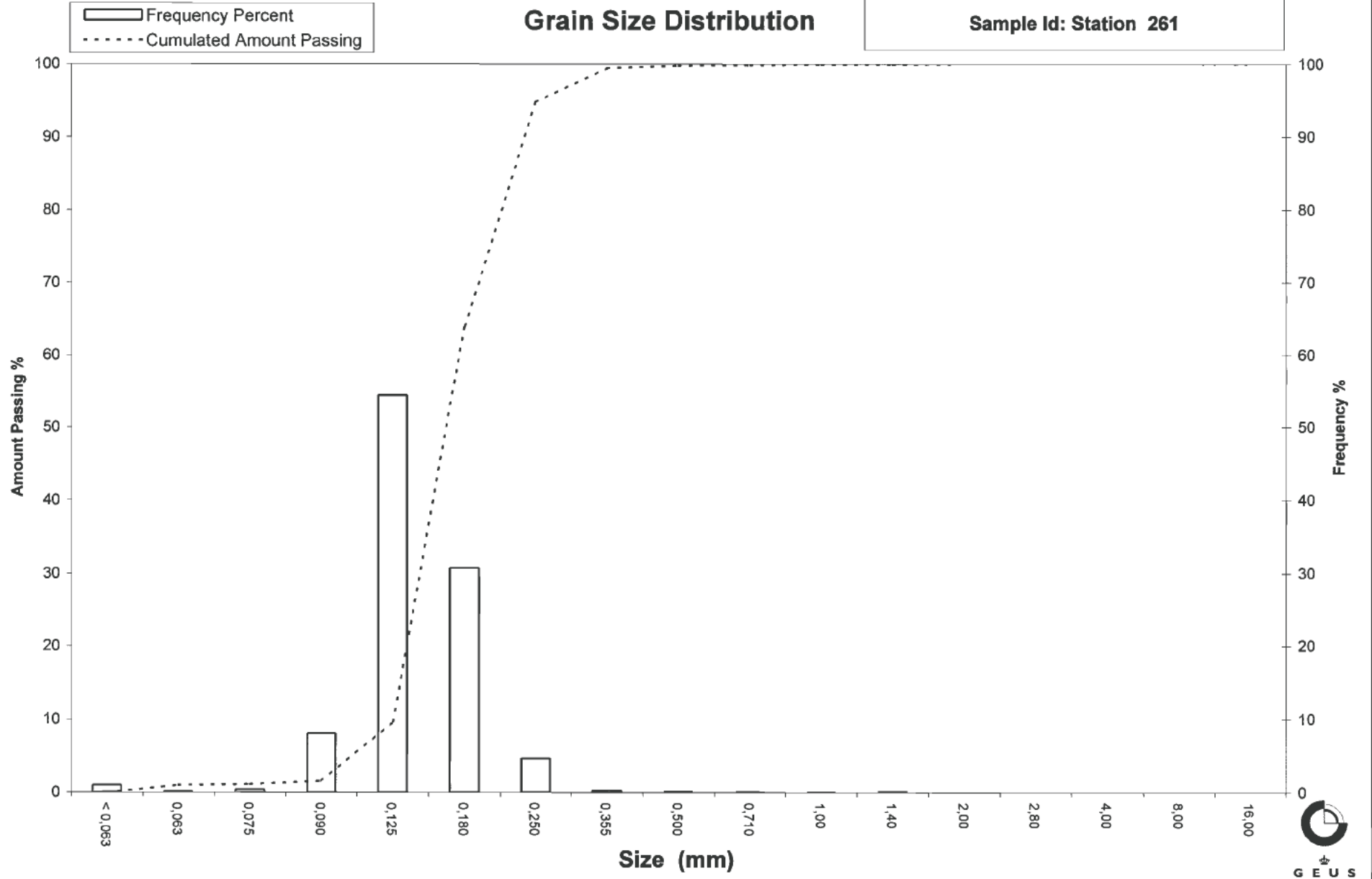
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 261



Grain Size Distribution

Geotechnical

Sample Id: Station 262
Lab. Id: 060715
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,81 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,03	0,03	99,97
1,40	-0,49	0,01	0,01	99,96
1,00	0,00	0,06	0,05	99,91
0,710	0,49	0,01	0,01	99,90
0,500	1,00	0,05	0,05	99,85
0,355	1,49	0,34	0,31	99,54
0,250	2,00	4,81	4,38	95,16
0,180	2,47	34,91	31,79	63,37
0,125	3,00	58,58	53,35	10,03
0,090	3,47	8,69	7,91	2,11
0,075	3,74	0,47	0,43	1,68
0,063	3,99	0,14	0,13	1,56
< 0,063	> 3,99	1,71	1,56	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,56
Sand, fine (0,063 mm - 0,200 mm):	70,90
Sand, medium (0,2 mm - 0,6 mm):	27,42
Sand, coarse (0,6 mm - 2 mm):	0,10
Gravel (> 2 mm):	0,03
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,25	2,00
16%	84%	0,23	2,15
25%	75%	0,21	2,28
40%	60%	0,18	2,50
Median 50%	50%	0,17	2,59
75%	25%	0,14	2,83
84%	16%	0,13	2,93
90%	10%	0,12	3,00
95%	5%	0,10	3,28

Moments Statistics

Mean	2,56
Sorting	0,39
Skewness	-0,02
Kurtosis	0,95
Uniformity Coefficient	1,41

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

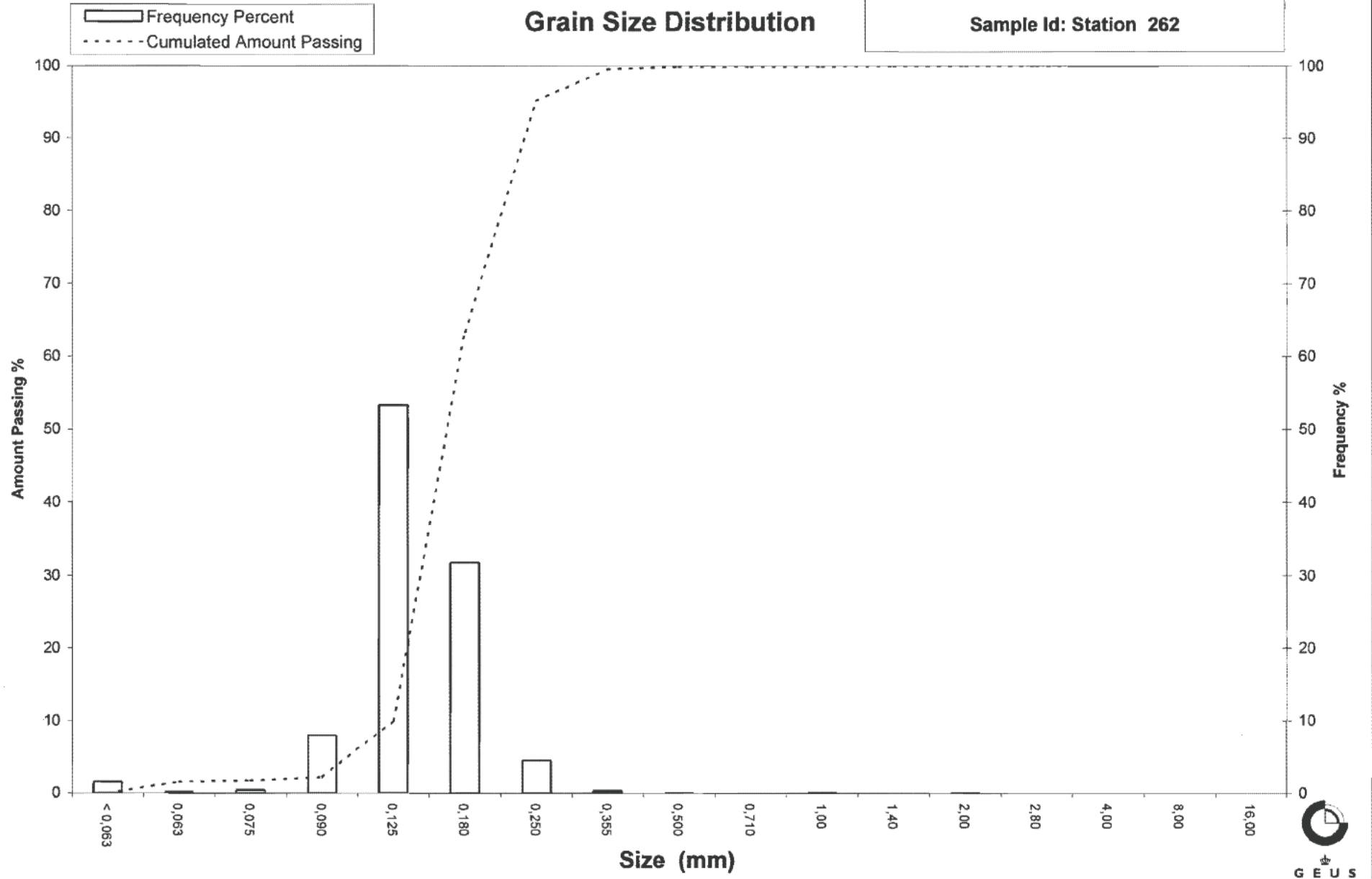
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 262



Grain Size Distribution

Geotechnical

Sample Id: Station 263
Lab. Id: 060716
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 102,26 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,05	0,05	99,95
2,80	-1,49	0,08	0,08	99,87
2,00	-1,00	0,03	0,03	99,84
1,40	-0,49	0,01	0,01	99,83
1,00	0,00	0,15	0,15	99,69
0,710	0,49	0,02	0,02	99,67
0,500	1,00	0,03	0,03	99,64
0,355	1,49	0,29	0,28	99,35
0,250	2,00	4,27	4,18	95,18
0,180	2,47	31,70	31,00	64,18
0,125	3,00	55,90	54,66	9,51
0,090	3,47	7,89	7,72	1,80
0,075	3,74	0,41	0,40	1,40
0,063	3,99	0,14	0,14	1,26
< 0,063	> 3,99	1,29	1,26	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,26
Sand, fine (0,063 mm - 0,200 mm):	71,78
Sand, medium (0,2 mm - 0,6 mm):	26,62
Sand, coarse (0,6 mm - 2 mm):	0,19
Gravel (> 2 mm):	0,16
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,25	2,00
16%	84%	0,22	2,15
25%	75%	0,20	2,29
40%	60%	0,18	2,51
Median 50%	50%	0,17	2,59
75%	25%	0,14	2,83
84%	16%	0,13	2,93
90%	10%	0,13	2,99
95%	5%	0,10	3,26

Moments Statistics

Mean	2,56
Sorting	0,38
Skewness	-0,04
Kurtosis	0,95
Uniformity Coefficient	1,40

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

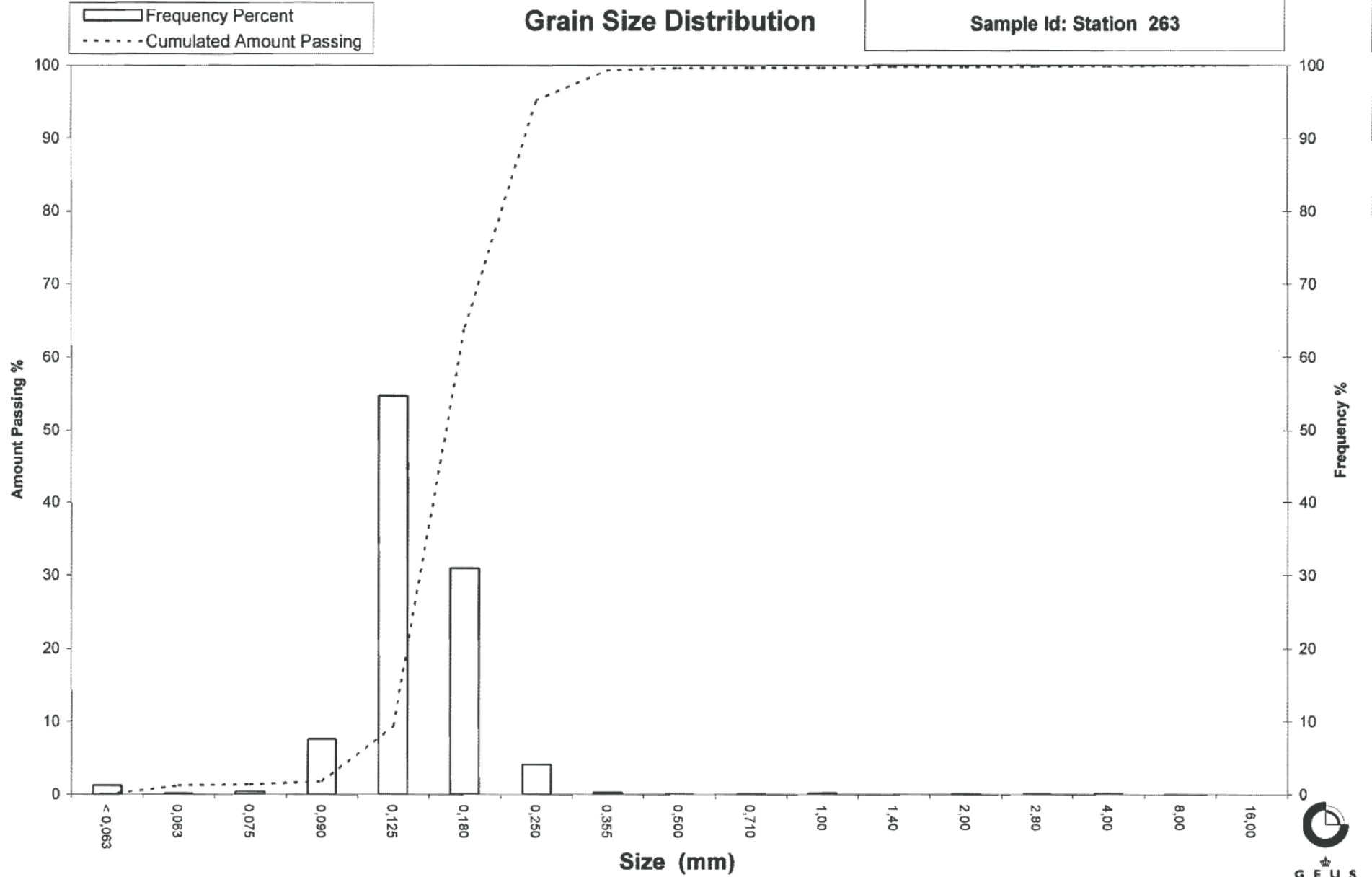
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 263



Grain Size Distribution

Geotechnical

Sample Id: Station 264
Lab. Id: 060717
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,96 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,02	0,02	99,98
1,40	-0,49	0,01	0,01	99,97
1,00	0,00	0,11	0,10	99,87
0,710	0,49	0,01	0,01	99,86
0,500	1,00	0,06	0,05	99,81
0,355	1,49	0,41	0,37	99,44
0,250	2,00	4,77	4,34	95,10
0,180	2,47	35,93	32,68	62,42
0,125	3,00	57,59	52,37	10,05
0,090	3,47	9,00	8,18	1,86
0,075	3,74	0,56	0,51	1,36
0,063	3,99	0,16	0,15	1,21
< 0,063	> 3,99	1,33	1,21	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,21
Sand, fine (0,063 mm - 0,200 mm):	70,55
Sand, medium (0,2 mm - 0,6 mm):	28,08
Sand, coarse (0,6 mm - 2 mm):	0,15
Gravel (> 2 mm):	0,02
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,25	2,00
16%	84%	0,23	2,14
25%	75%	0,21	2,27
40%	60%	0,18	2,49
Median 50%	50%	0,17	2,58
75%	25%	0,14	2,83
84%	16%	0,13	2,93
90%	10%	0,12	3,00
95%	5%	0,10	3,27

Moments Statistics

Mean	2,55
Sorting	0,39
Skewness	-0,01
Kurtosis	0,94
Uniformity Coefficient	1,42

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

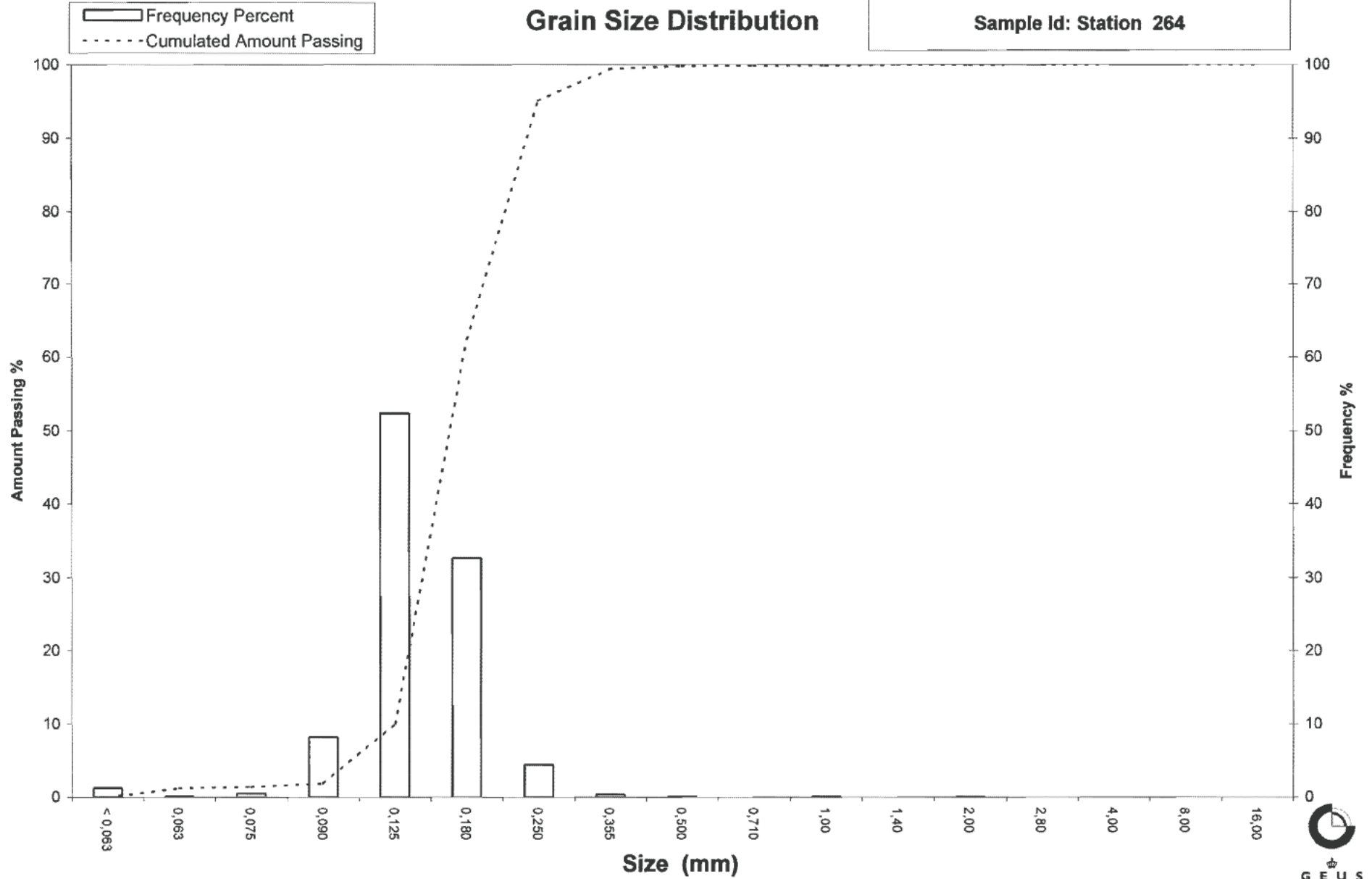
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 264



Grain Size Distribution

Geotechnical

Sample Id: Station 265
Lab. Id: 060718
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 107,47 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,05	0,05	99,95
2,80	-1,49	0,01	0,01	99,94
2,00	-1,00	0,02	0,02	99,93
1,40	-0,49	0,01	0,01	99,92
1,00	0,00	0,06	0,06	99,86
0,710	0,49	0,02	0,02	99,84
0,500	1,00	0,04	0,04	99,80
0,355	1,49	0,23	0,21	99,59
0,250	2,00	3,86	3,59	96,00
0,180	2,47	35,28	32,83	63,17
0,125	3,00	58,48	54,42	8,76
0,090	3,47	7,89	7,34	1,41
0,075	3,74	0,38	0,35	1,06
0,063	3,99	0,11	0,10	0,96
< 0,063	> 3,99	1,03	0,96	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,96
Sand, fine (0,063 mm - 0,200 mm):	71,59
Sand, medium (0,2 mm - 0,6 mm):	27,27
Sand, coarse (0,6 mm - 2 mm):	0,10
Gravel (> 2 mm):	0,07
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,25	2,01
16%	84%	0,22	2,16
25%	75%	0,21	2,28
40%	60%	0,18	2,50
Median 50%	50%	0,17	2,58
75%	25%	0,14	2,82
84%	16%	0,13	2,92
90%	10%	0,13	2,99
95%	5%	0,11	3,22

Moments Statistics

Mean	2,55
Sorting	0,37
Skewness	-0,04
Kurtosis	0,92
Uniformity Coefficient	1,40

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

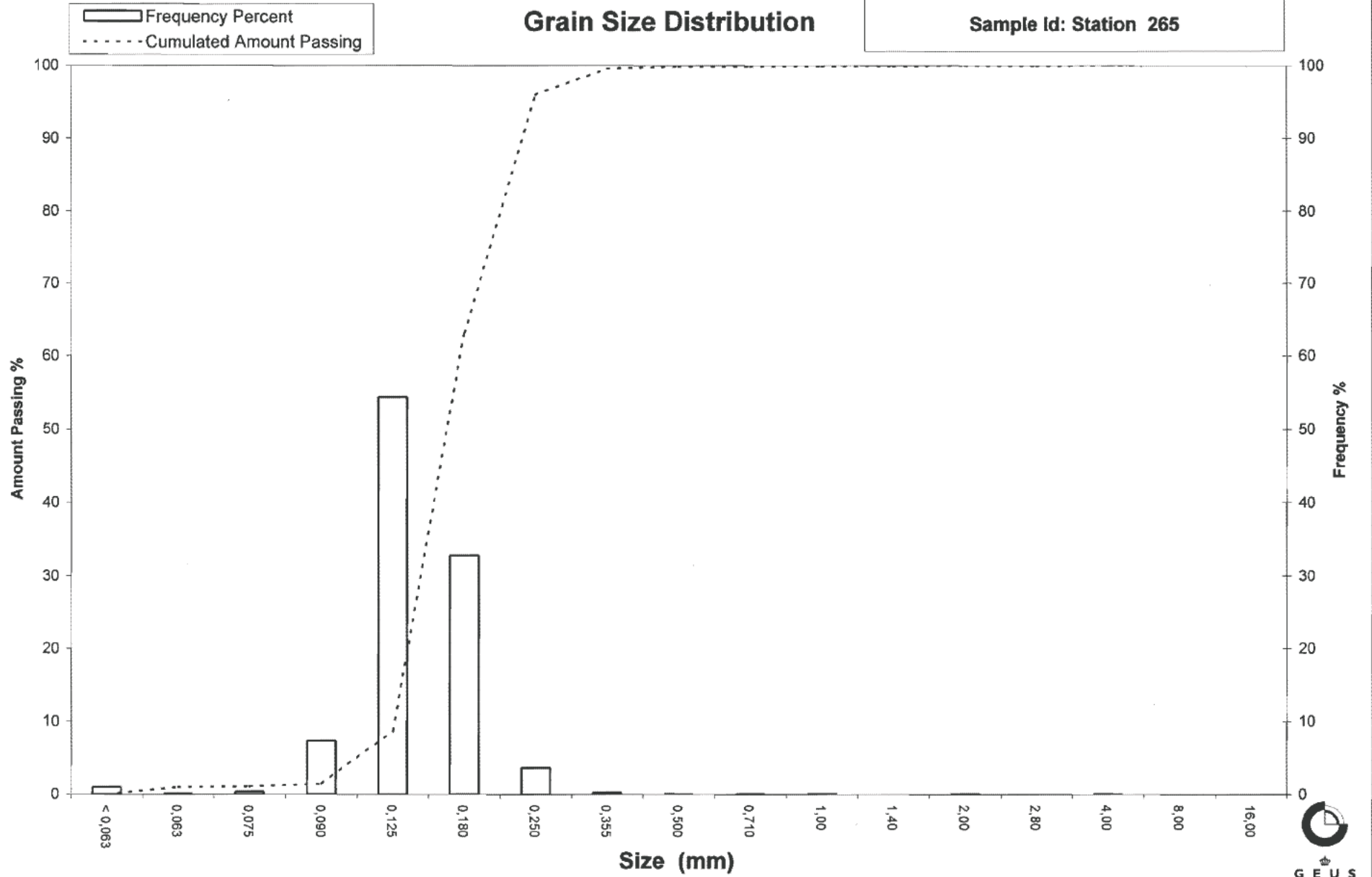
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 265



Grain Size Distribution

Geotechnical

Sample Id: Station 271
Lab. Id: 060719
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,62 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,07	0,07	99,93
2,00	-1,00	0,06	0,06	99,88
1,40	-0,49	0,12	0,11	99,76
1,00	0,00	0,06	0,06	99,71
0,710	0,49	0,19	0,18	99,53
0,500	1,00	0,61	0,58	98,95
0,355	1,49	1,84	1,74	97,21
0,250	2,00	12,03	11,39	85,82
0,180	2,47	40,83	38,66	47,16
0,125	3,00	44,68	42,30	4,86
0,090	3,47	3,74	3,54	1,32
0,075	3,74	0,21	0,20	1,12
0,063	3,99	0,05	0,05	1,07
< 0,063	> 3,99	1,13	1,07	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,07
Sand, fine (0,063 mm - 0,200 mm):	57,13
Sand, medium (0,2 mm - 0,6 mm):	41,02
Sand, coarse (0,6 mm - 2 mm):	0,65
Gravel (> 2 mm):	0,12
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,33	1,58
16%	84%	0,25	2,02
25%	75%	0,23	2,12
40%	60%	0,20	2,30
Median 50%	50%	0,19	2,43
75%	25%	0,15	2,73
84%	16%	0,14	2,84
90%	10%	0,13	2,92
95%	5%	0,13	3,00

Moments Statistics

Mean	2,43
Sorting	0,42
Skewness	-0,11
Kurtosis	0,96
Uniformity Coefficient	1,54

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

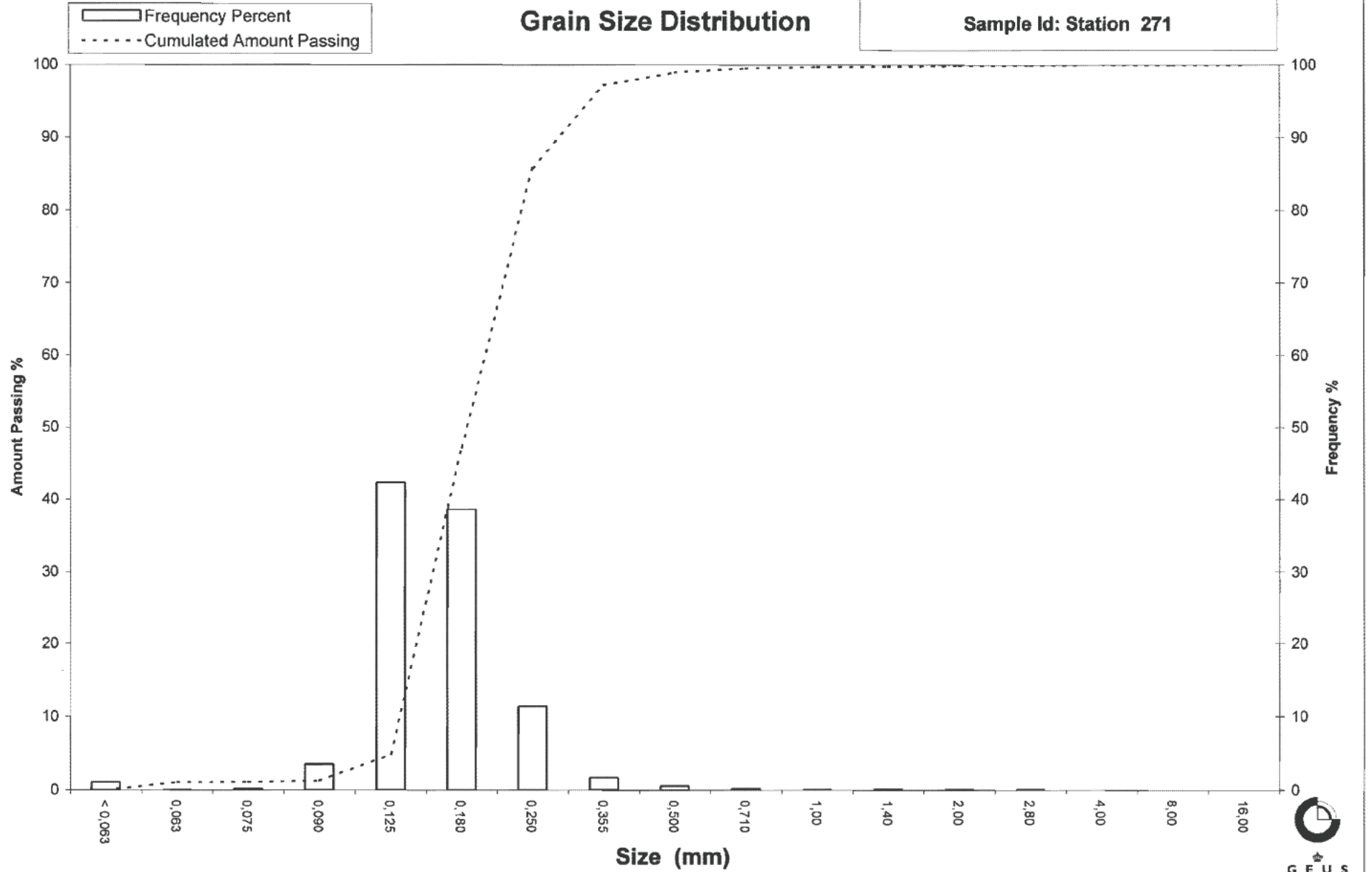
Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)
 Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)
 Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)
 Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)
 Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 271



Grain Size Distribution

Geotechnical

Sample Id: Station 272
Lab. Id: 060720
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 102,64 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,27	0,26	99,74
2,80	-1,49	0,02	0,02	99,72
2,00	-1,00	0,03	0,03	99,69
1,40	-0,49	0,01	0,01	99,68
1,00	0,00	0,06	0,06	99,62
0,710	0,49	0,19	0,19	99,43
0,500	1,00	0,67	0,65	98,78
0,355	1,49	2,11	2,06	96,73
0,250	2,00	12,80	12,47	84,26
0,180	2,47	43,64	42,52	41,74
0,125	3,00	38,27	37,29	4,45
0,090	3,47	3,18	3,10	1,35
0,075	3,74	0,17	0,17	1,19
0,063	3,99	0,06	0,06	1,13
< 0,063	> 3,99	1,16	1,13	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,13
Sand, fine (0,063 mm - 0,200 mm):	52,76
Sand, medium (0,2 mm - 0,6 mm):	45,21
Sand, coarse (0,6 mm - 2 mm):	0,60
Gravel (> 2 mm):	0,31
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,34	1,55
16%	84%	0,25	2,00
25%	75%	0,23	2,09
40%	60%	0,21	2,25
Median 50%	50%	0,19	2,37
75%	25%	0,16	2,69
84%	16%	0,14	2,82
90%	10%	0,13	2,91
95%	5%	0,13	2,99

Moments Statistics

Mean	2,40
Sorting	0,42
Skewness	-0,02
Kurtosis	0,99
Uniformity Coefficient	1,58

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

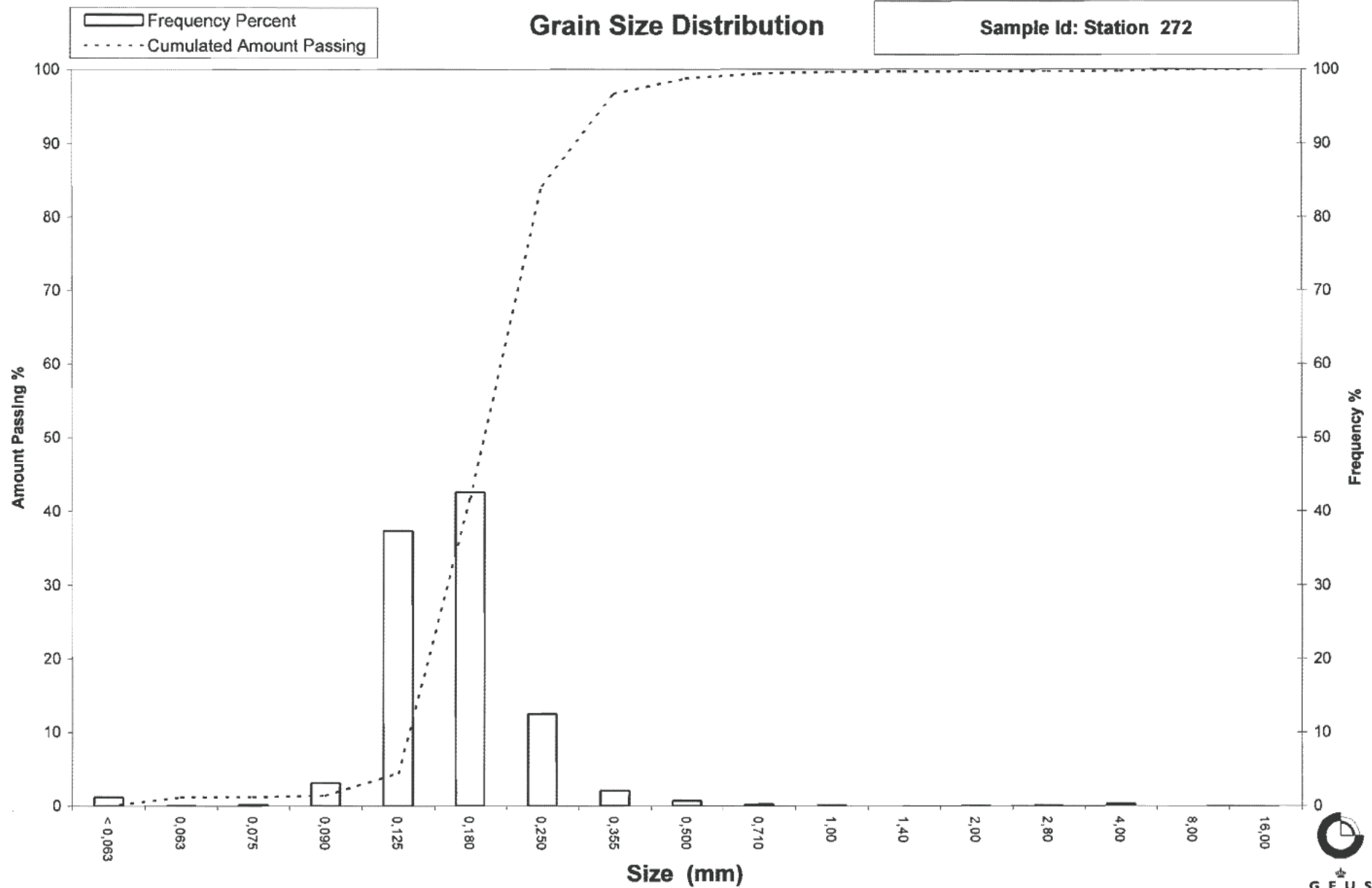
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 272



Grain Size Distribution

Geotechnical

Sample Id: Station 273
Lab. Id: 060721
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,96 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,17	0,15	99,85
2,80	-1,49	0,08	0,07	99,77
2,00	-1,00	0,02	0,02	99,75
1,40	-0,49	0,05	0,05	99,71
1,00	0,00	0,07	0,06	99,65
0,710	0,49	0,19	0,17	99,47
0,500	1,00	0,63	0,57	98,90
0,355	1,49	1,99	1,81	97,09
0,250	2,00	13,60	12,37	84,72
0,180	2,47	43,76	39,80	44,93
0,125	3,00	44,48	40,45	4,47
0,090	3,47	3,63	3,30	1,17
0,075	3,74	0,19	0,17	1,00
0,063	3,99	0,05	0,05	0,95
< 0,063	> 3,99	1,05	0,95	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,95
Sand, fine (0,063 mm - 0,200 mm):	55,34
Sand, medium (0,2 mm - 0,6 mm):	42,88
Sand, coarse (0,6 mm - 2 mm):	0,58
Gravel (> 2 mm):	0,25
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,34	1,57
16%	84%	0,25	2,01
25%	75%	0,23	2,10
40%	60%	0,21	2,28
Median 50%	50%	0,19	2,40
75%	25%	0,15	2,71
84%	16%	0,14	2,83
90%	10%	0,13	2,92
95%	5%	0,13	2,99

Moments Statistics

Mean	2,41
Sorting	0,42
Skewness	-0,07
Kurtosis	0,96
Uniformity Coefficient	1,56

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

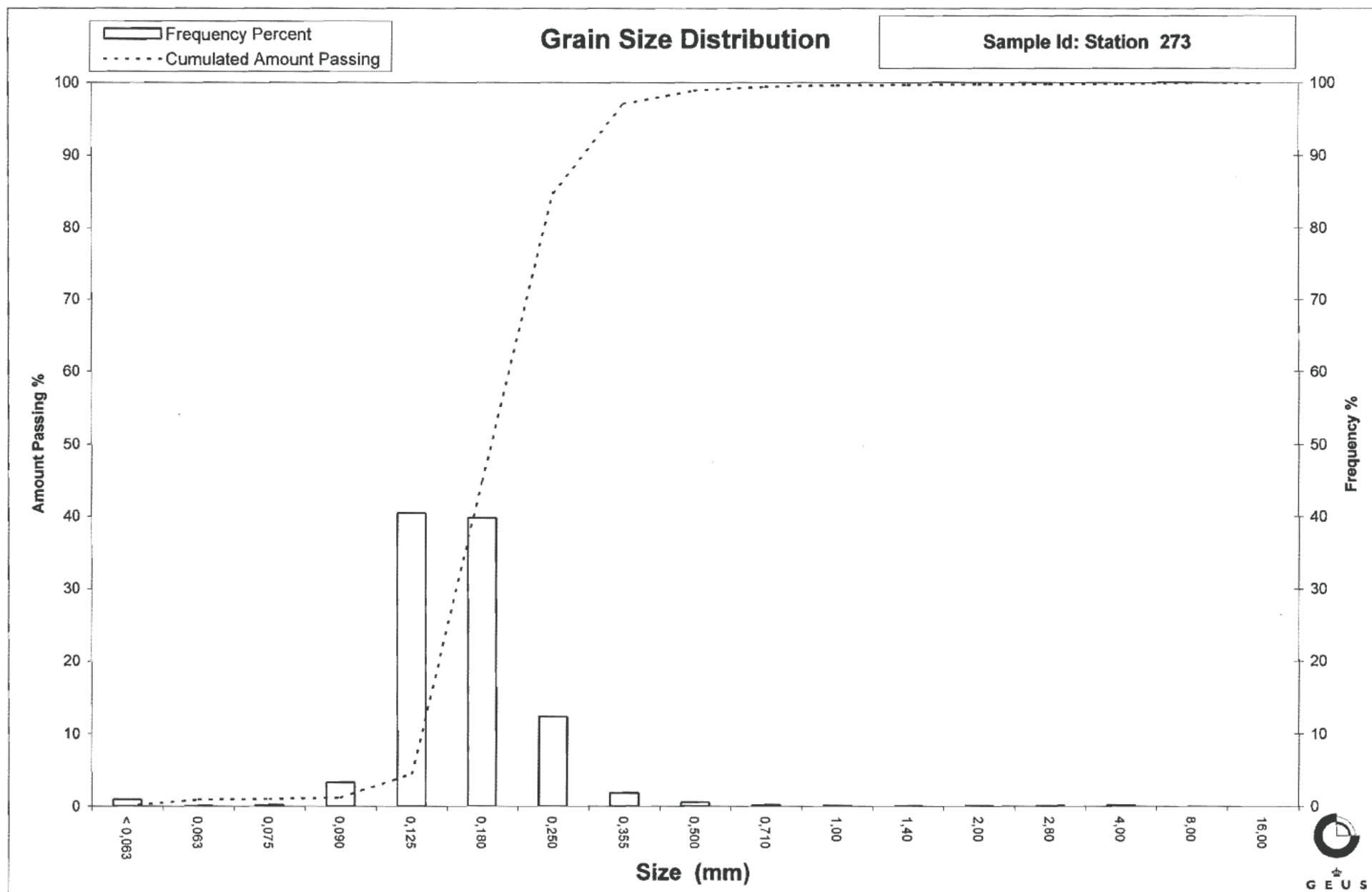
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 274
Lab. Id: 060722
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 101,22 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,07	0,07	99,93
2,00	-1,00	0,02	0,02	99,91
1,40	-0,49	0,13	0,13	99,78
1,00	0,00	0,09	0,09	99,69
0,710	0,49	0,18	0,18	99,52
0,500	1,00	0,56	0,55	98,96
0,355	1,49	1,75	1,73	97,23
0,250	2,00	11,75	11,61	85,63
0,180	2,47	40,62	40,13	45,49
0,125	3,00	41,11	40,61	4,88
0,090	3,47	3,50	3,46	1,42
0,075	3,74	0,20	0,20	1,23
0,063	3,99	0,05	0,05	1,18
< 0,063	> 3,99	1,19	1,18	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,18
Sand, fine (0,063 mm - 0,200 mm):	55,79
Sand, medium (0,2 mm - 0,6 mm):	42,27
Sand, coarse (0,6 mm - 2 mm):	0,68
Gravel (> 2 mm):	0,09
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,33	1,58
16%	84%	0,25	2,02
25%	75%	0,23	2,11
40%	60%	0,21	2,28
Median 50%	50%	0,19	2,41
75%	25%	0,15	2,72
84%	16%	0,14	2,84
90%	10%	0,13	2,92
95%	5%	0,13	3,00

Moments Statistics

Mean	2,42
Sorting	0,42
Skewness	-0,07
Kurtosis	0,96
Uniformity Coefficient	1,56

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

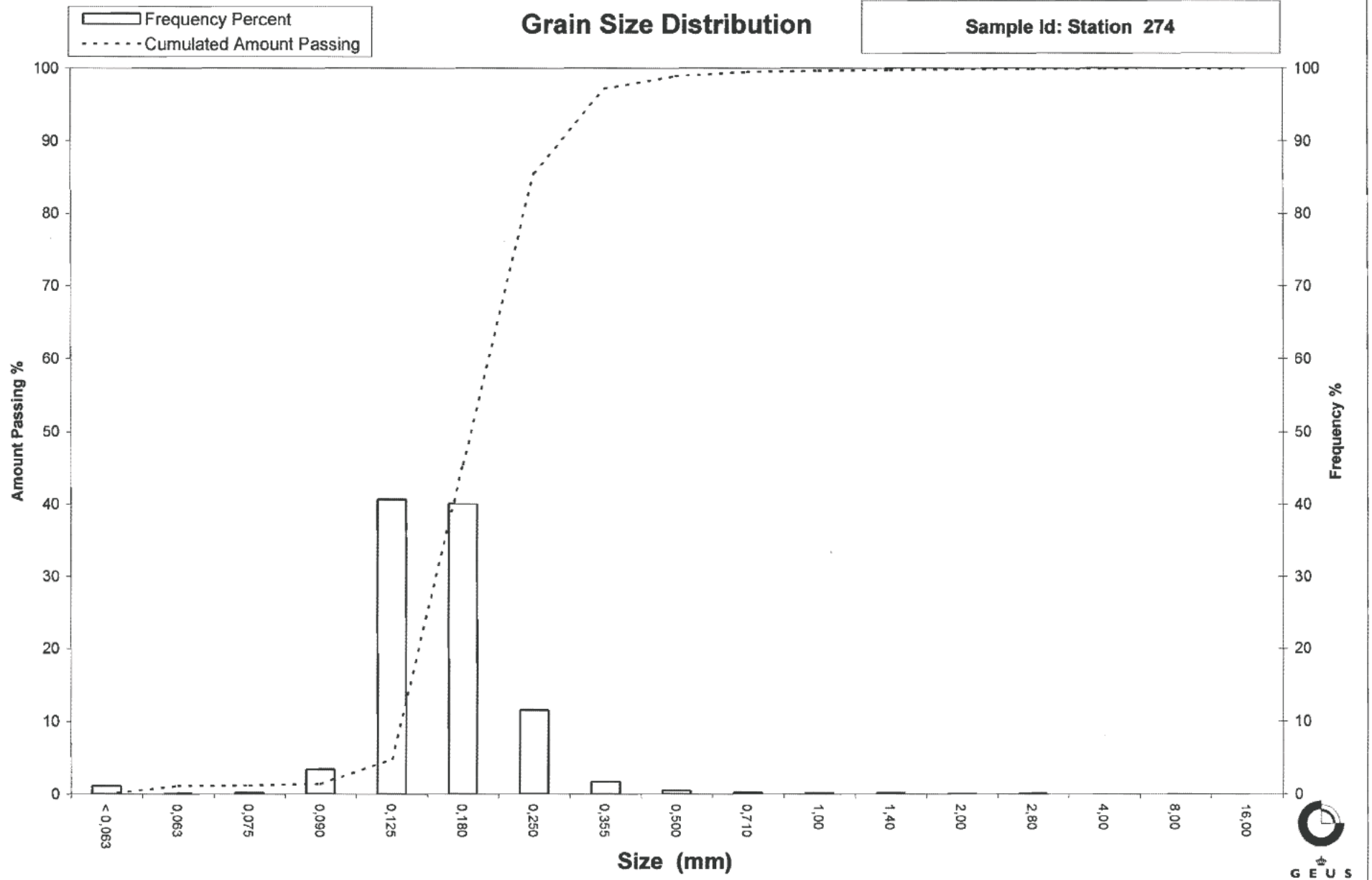
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 274



Grain Size Distribution

Geotechnical

Sample Id: Station 286
Lab. Id: 060723
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,63 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,24	0,23	99,77
2,80	-1,49	0,03	0,03	99,75
2,00	-1,00	0,07	0,07	99,68
1,40	-0,49	0,01	0,01	99,67
1,00	0,00	0,15	0,14	99,53
0,710	0,49	0,08	0,08	99,46
0,500	1,00	0,17	0,16	99,30
0,355	1,49	1,07	1,00	98,29
0,250	2,00	8,22	7,71	90,58
0,180	2,47	37,68	35,34	55,25
0,125	3,00	52,81	49,53	5,72
0,090	3,47	4,98	4,67	1,05
0,075	3,74	0,18	0,17	0,88
0,063	3,99	0,03	0,03	0,85
< 0,063	> 3,99	0,91	0,85	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,85
Sand, fine (0,063 mm - 0,200 mm):	64,49
Sand, medium (0,2 mm - 0,6 mm):	34,03
Sand, coarse (0,6 mm - 2 mm):	0,31
Gravel (> 2 mm):	0,32
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,31	1,69
16%	84%	0,24	2,08
25%	75%	0,22	2,19
40%	60%	0,19	2,40
Median 50%	50%	0,17	2,52
75%	25%	0,15	2,77
84%	16%	0,14	2,87
90%	10%	0,13	2,95
95%	5%	0,12	3,06

Moments Statistics

Mean	2,49
Sorting	0,41
Skewness	-0,16
Kurtosis	0,97
Uniformity Coefficient	1,46

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

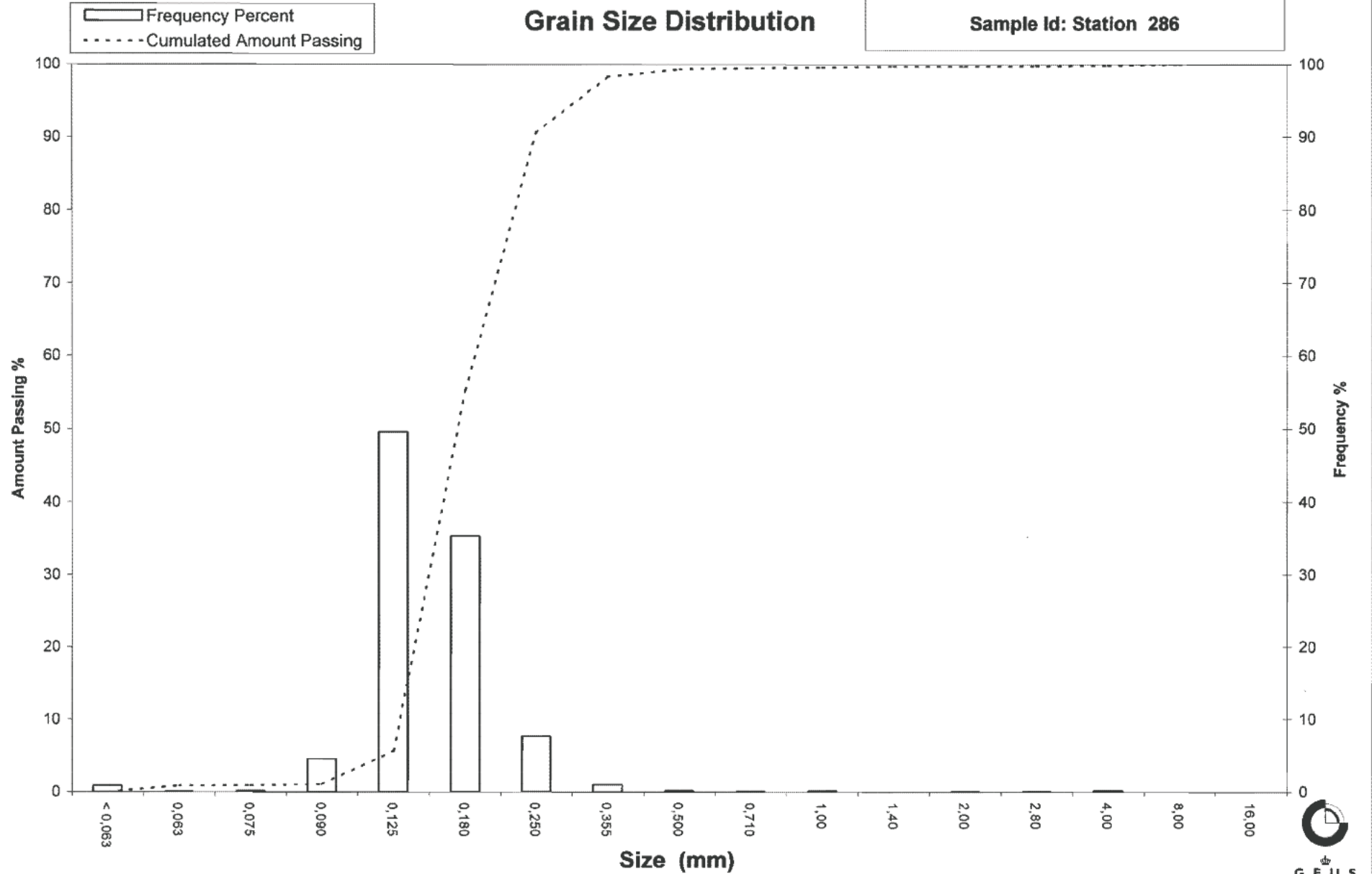
Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 286



Grain Size Distribution

Geotechnical

Sample Id: Station 287
Lab. Id: 060724
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,56 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,11	0,10	99,90
2,80	-1,49	0,03	0,03	99,87
2,00	-1,00	0,09	0,08	99,78
1,40	-0,49	0,02	0,02	99,77
1,00	0,00	0,02	0,02	99,75
0,710	0,49	0,03	0,03	99,72
0,500	1,00	0,15	0,14	99,58
0,355	1,49	1,44	1,35	98,23
0,250	2,00	11,53	10,82	87,41
0,180	2,47	38,01	35,67	51,74
0,125	3,00	47,88	44,93	6,80
0,090	3,47	5,58	5,24	1,57
0,075	3,74	0,29	0,27	1,30
0,063	3,99	0,08	0,08	1,22
< 0,063	> 3,99	1,30	1,22	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,22
Sand, fine (0,063 mm - 0,200 mm):	60,71
Sand, medium (0,2 mm - 0,6 mm):	37,72
Sand, coarse (0,6 mm - 2 mm):	0,14
Gravel (> 2 mm):	0,22
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,32	1,63
16%	84%	0,24	2,04
25%	75%	0,23	2,15
40%	60%	0,20	2,35
Median 50%	50%	0,18	2,49
75%	25%	0,15	2,76
84%	16%	0,14	2,88
90%	10%	0,13	2,96
95%	5%	0,11	3,15

Moments Statistics

Mean	2,47
Sorting	0,44
Skewness	-0,11
Kurtosis	1,01
Uniformity Coefficient	1,52

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

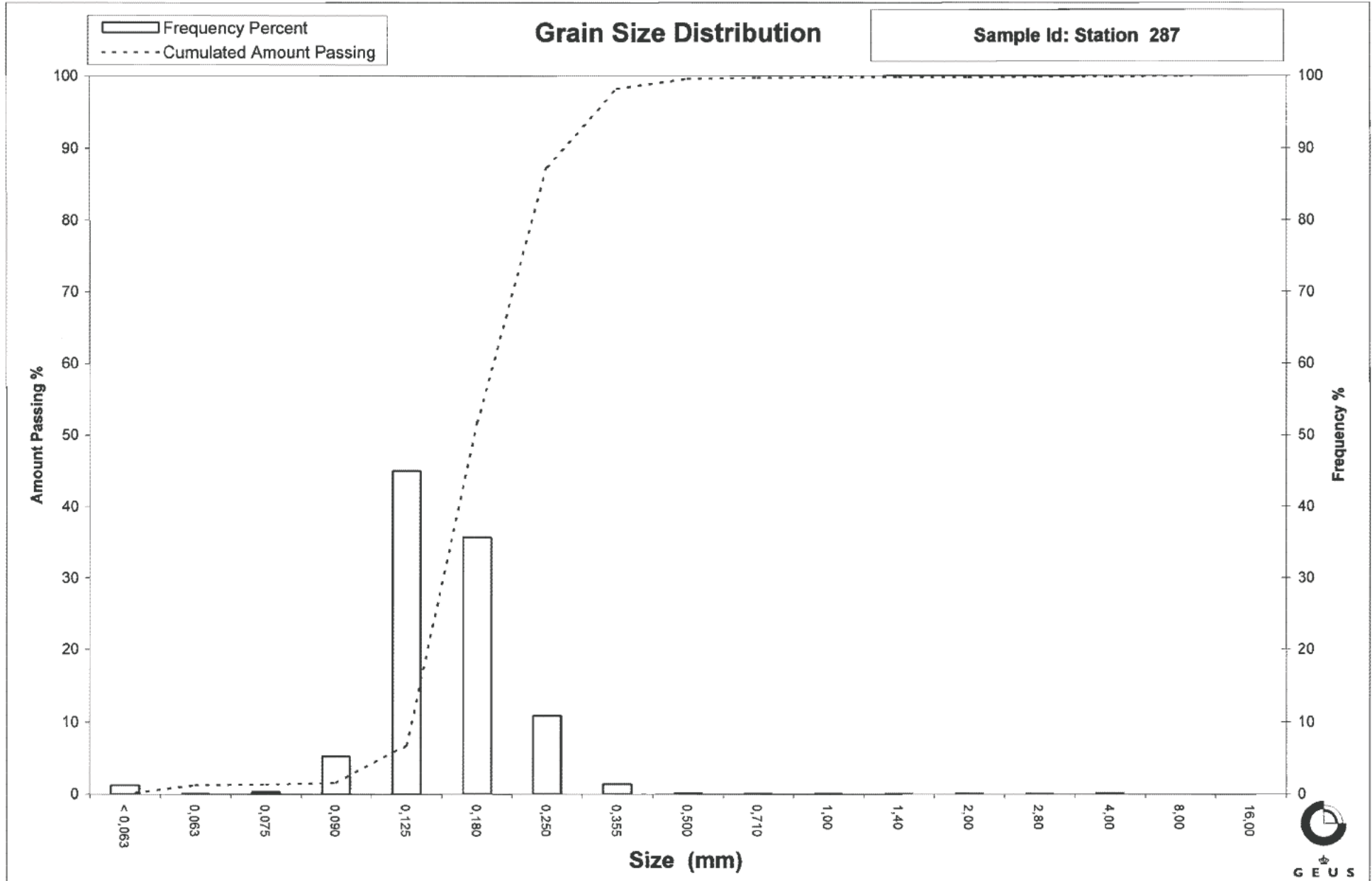
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 288
Lab. Id: 060725
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 109,66 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	passing %
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,27	0,25	99,75
2,80	-1,49	0,08	0,07	99,68
2,00	-1,00	0,03	0,03	99,65
1,40	-0,49	0,01	0,01	99,64
1,00	0,00	0,13	0,12	99,53
0,710	0,49	0,04	0,04	99,49
0,500	1,00	0,14	0,13	99,36
0,355	1,49	1,35	1,23	98,13
0,250	2,00	10,65	9,71	88,42
0,180	2,47	40,02	36,49	51,92
0,125	3,00	50,64	46,18	5,75
0,090	3,47	4,77	4,35	1,40
0,075	3,74	0,19	0,17	1,22
0,063	3,99	0,06	0,05	1,17
< 0,063	> 3,99	1,28	1,17	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,17
Sand, fine (0,063 mm - 0,200 mm):	61,18
Sand, medium (0,2 mm - 0,6 mm):	37,07
Sand, coarse (0,6 mm - 2 mm):	0,23
Gravel (> 2 mm):	0,35
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,32	1,64
16%	84%	0,24	2,05
25%	75%	0,22	2,16
40%	60%	0,20	2,35
Median 50%	50%	0,18	2,49
75%	25%	0,15	2,76
84%	16%	0,14	2,87
90%	10%	0,13	2,94
95%	5%	0,12	3,07

Moments Statistics

Mean	2,47
Sorting	0,42
Skewness	-0,14
Kurtosis	0,98
Uniformity Coefficient	1,50

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

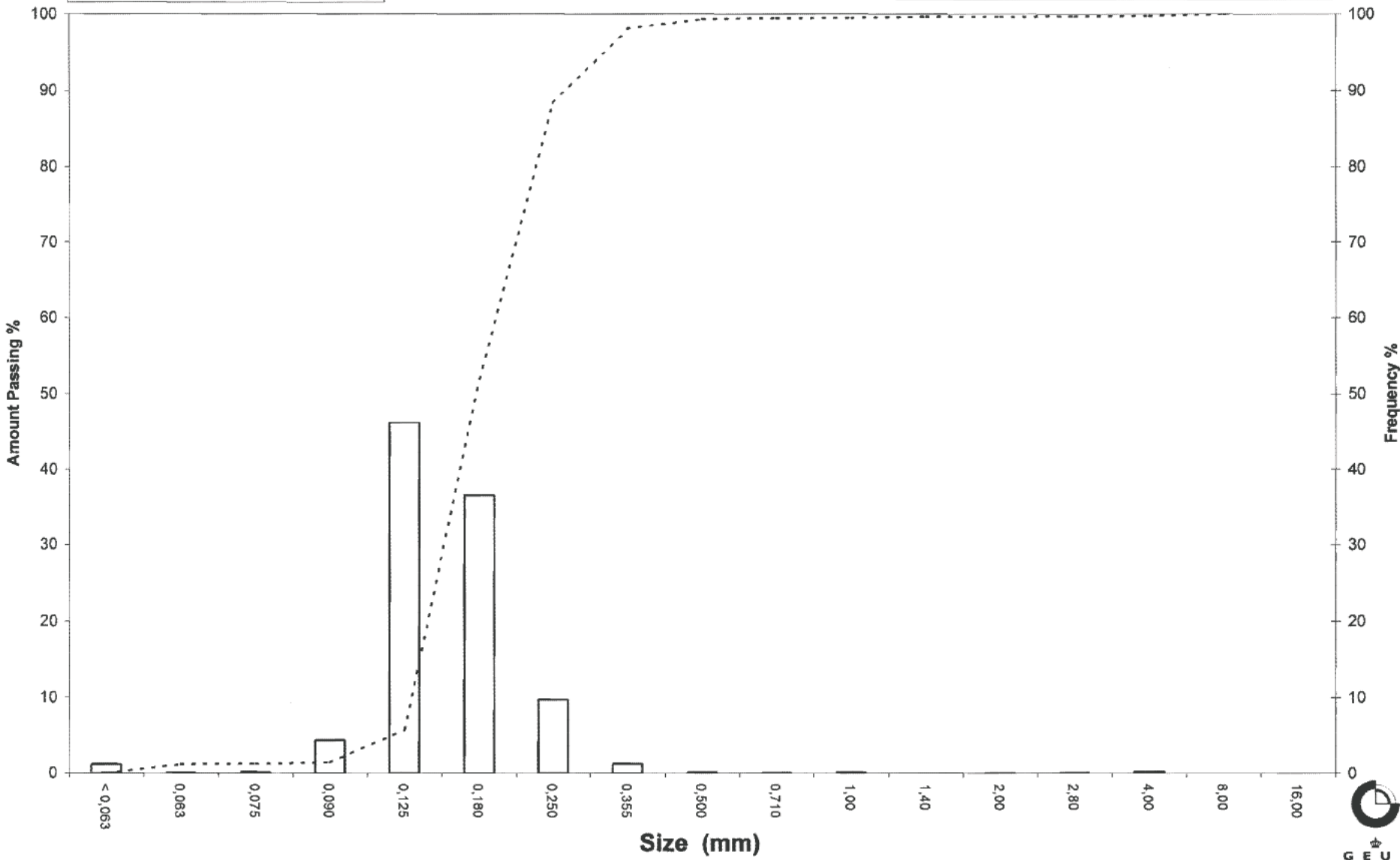
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 288

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: Station 289
Lab. Id: 060726
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 100,33 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,14	0,14	99,86
2,80	-1,49	0,01	0,01	99,85
2,00	-1,00	0,03	0,03	99,82
1,40	-0,49	0,01	0,01	99,81
1,00	0,00	0,01	0,01	99,80
0,710	0,49	0,02	0,02	99,78
0,500	1,00	0,09	0,09	99,69
0,355	1,49	0,99	0,99	98,70
0,250	2,00	10,34	10,31	88,40
0,180	2,47	37,28	37,16	51,24
0,125	3,00	45,29	45,14	6,10
0,090	3,47	4,48	4,47	1,63
0,075	3,74	0,19	0,19	1,45
0,063	3,99	0,05	0,05	1,40
< 0,063	> 3,99	1,40	1,40	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,40
Sand, fine (0,063 mm - 0,200 mm):	60,46
Sand, medium (0,2 mm - 0,6 mm):	37,88
Sand, coarse (0,6 mm - 2 mm):	0,09
Gravel (> 2 mm):	0,18
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,32	1,66
16%	84%	0,24	2,05
25%	75%	0,22	2,15
40%	60%	0,20	2,35
Median 50%	50%	0,18	2,49
75%	25%	0,15	2,76
84%	16%	0,14	2,87
90%	10%	0,13	2,95
95%	5%	0,12	3,10

Moments Statistics

Mean	2,47
Sorting	0,42
Skewness	-0,11
Kurtosis	0,98
Uniformity Coefficient	1,51

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

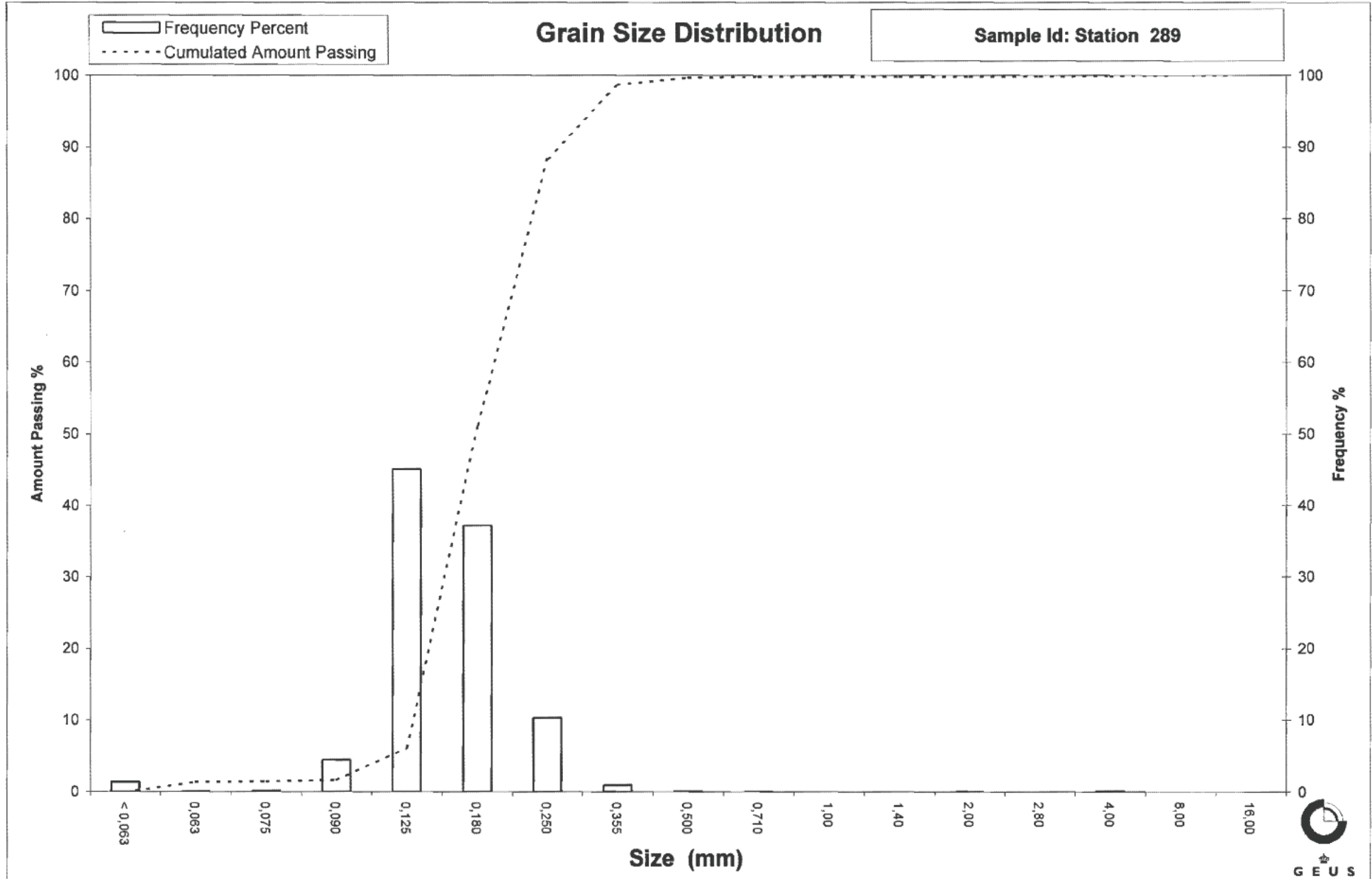
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 290
Lab. Id: 060727
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mät < 2,0 mm



Total Weight 106,06 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,05	0,05	99,95
2,00	-1,00	0,03	0,03	99,92
1,40	-0,49	0,01	0,01	99,92
1,00	0,00	0,08	0,08	99,84
0,710	0,49	0,02	0,02	99,82
0,500	1,00	0,13	0,12	99,70
0,355	1,49	1,47	1,39	98,31
0,250	2,00	11,56	10,90	87,42
0,180	2,47	40,28	37,98	49,44
0,125	3,00	46,63	43,97	5,47
0,090	3,47	4,42	4,17	1,30
0,075	3,74	0,18	0,17	1,13
0,063	3,99	0,06	0,06	1,08
< 0,063	> 3,99	1,14	1,08	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,08
Sand, fine (0,063 mm - 0,200 mm):	59,21
Sand, medium (0,2 mm - 0,6 mm):	39,47
Sand, coarse (0,6 mm - 2 mm):	0,17
Gravel (> 2 mm):	0,08
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,32	1,63
16%	84%	0,24	2,04
25%	75%	0,23	2,14
40%	60%	0,20	2,33
Median 50%	50%	0,18	2,47
75%	25%	0,15	2,74
84%	16%	0,14	2,86
90%	10%	0,13	2,94
95%	5%	0,12	3,05

Moments Statistics

Mean	2,45
Sorting	0,42
Skewness	-0,11
Kurtosis	0,96
Uniformity Coefficient	1,53

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

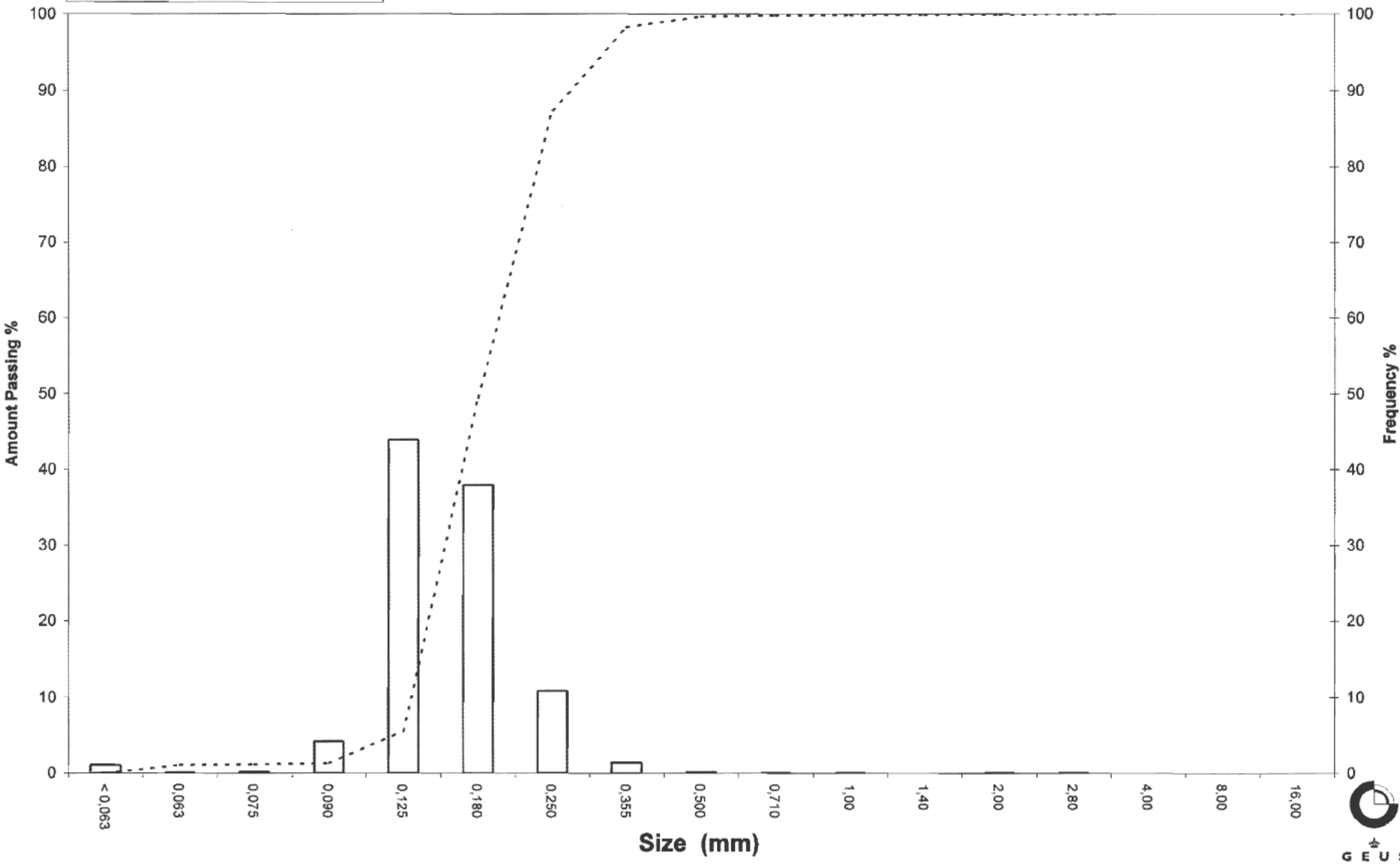
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 290

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: Station 296
Lab. Id: 060728
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,95 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,04	0,04	99,96
2,80	-1,49	0,09	0,08	99,88
2,00	-1,00	0,05	0,05	99,83
1,40	-0,49	0,04	0,04	99,80
1,00	0,00	0,04	0,04	99,76
0,710	0,49	0,05	0,05	99,72
0,500	1,00	0,13	0,12	99,60
0,355	1,49	0,65	0,60	99,00
0,250	2,00	7,81	7,17	91,83
0,180	2,47	43,24	39,69	52,14
0,125	3,00	49,82	45,73	6,42
0,090	3,47	5,50	5,05	1,37
0,075	3,74	0,31	0,28	1,08
0,063	3,99	0,09	0,08	1,00
< 0,063	> 3,99	1,09	1,00	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,00
Sand, fine (0,063 mm - 0,200 mm):	62,48
Sand, medium (0,2 mm - 0,6 mm):	36,17
Sand, coarse (0,6 mm - 2 mm):	0,18
Gravel (> 2 mm):	0,17
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,30	1,75
16%	84%	0,24	2,08
25%	75%	0,22	2,18
40%	60%	0,19	2,37
Median 50%	50%	0,18	2,49
75%	25%	0,15	2,76
84%	16%	0,14	2,87
90%	10%	0,13	2,95
95%	5%	0,12	3,12

Moments Statistics

Mean	2,48
Sorting	0,40
Skewness	-0,06
Kurtosis	0,96
Uniformity Coefficient	1,50

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

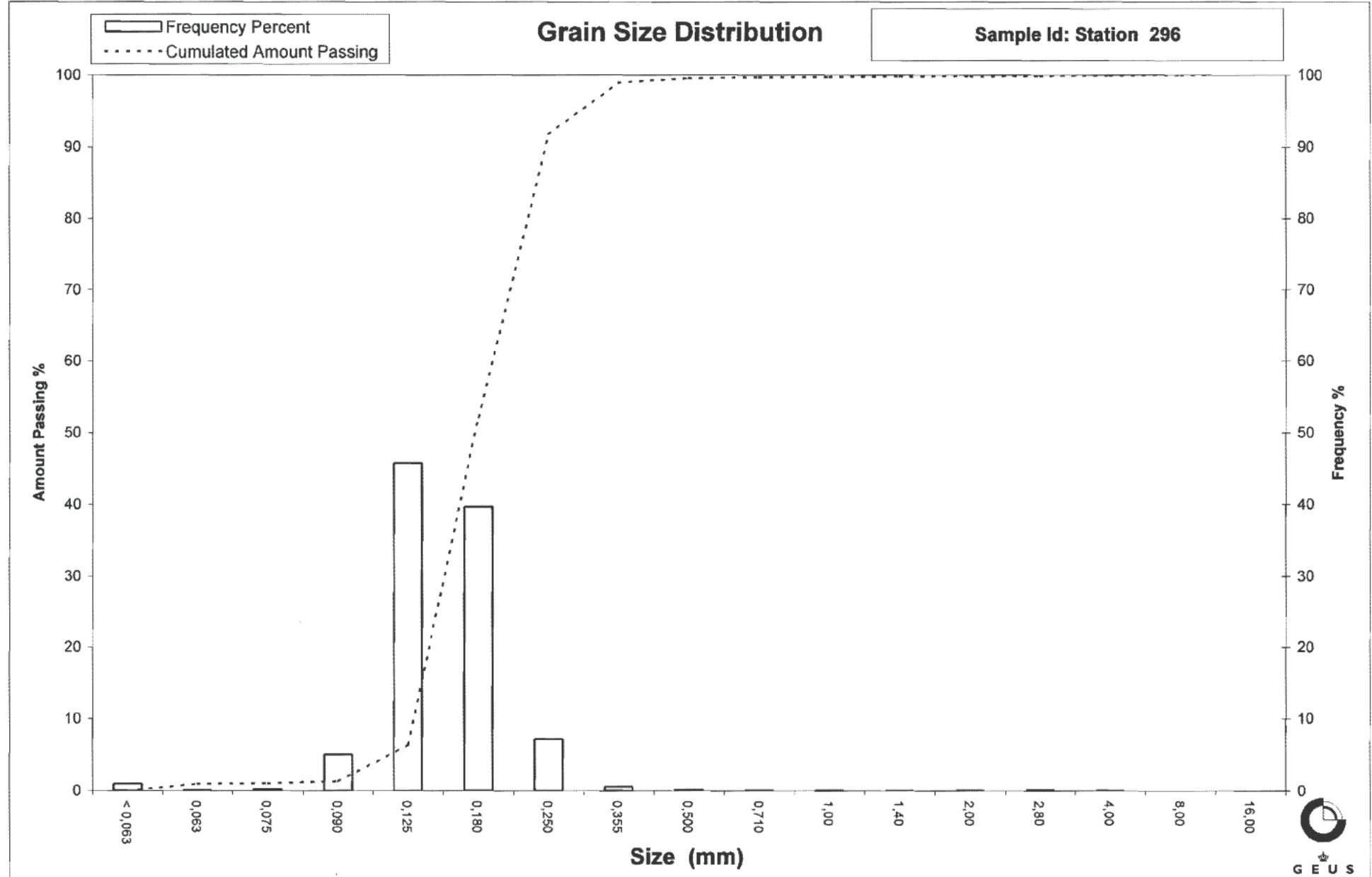
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 297
Lab. Id: 060729
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,85 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,06	0,06	99,94
2,80	-1,49	0,04	0,04	99,91
2,00	-1,00	0,04	0,04	99,87
1,40	-0,49	0,01	0,01	99,86
1,00	0,00	0,18	0,17	99,69
0,710	0,49	0,06	0,06	99,63
0,500	1,00	0,11	0,10	99,53
0,355	1,49	0,87	0,82	98,71
0,250	2,00	8,09	7,64	91,06
0,180	2,47	43,58	41,17	49,89
0,125	3,00	46,60	44,02	5,87
0,090	3,47	4,65	4,39	1,47
0,075	3,74	0,25	0,24	1,24
0,063	3,99	0,06	0,06	1,18
< 0,063	> 3,99	1,25	1,18	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,18
Sand, fine (0,063 mm - 0,200 mm):	60,47
Sand, medium (0,2 mm - 0,6 mm):	37,92
Sand, coarse (0,6 mm - 2 mm):	0,29
Gravel (> 2 mm):	0,13
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,30	1,72
16%	84%	0,24	2,07
25%	75%	0,22	2,17
40%	60%	0,20	2,34
Median 50%	50%	0,18	2,47
75%	25%	0,15	2,75
84%	16%	0,14	2,86
90%	10%	0,13	2,94
95%	5%	0,12	3,08

Moments Statistics

Mean	2,47
Sorting	0,40
Skewness	-0,06
Kurtosis	0,96
Uniformity Coefficient	1,51

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

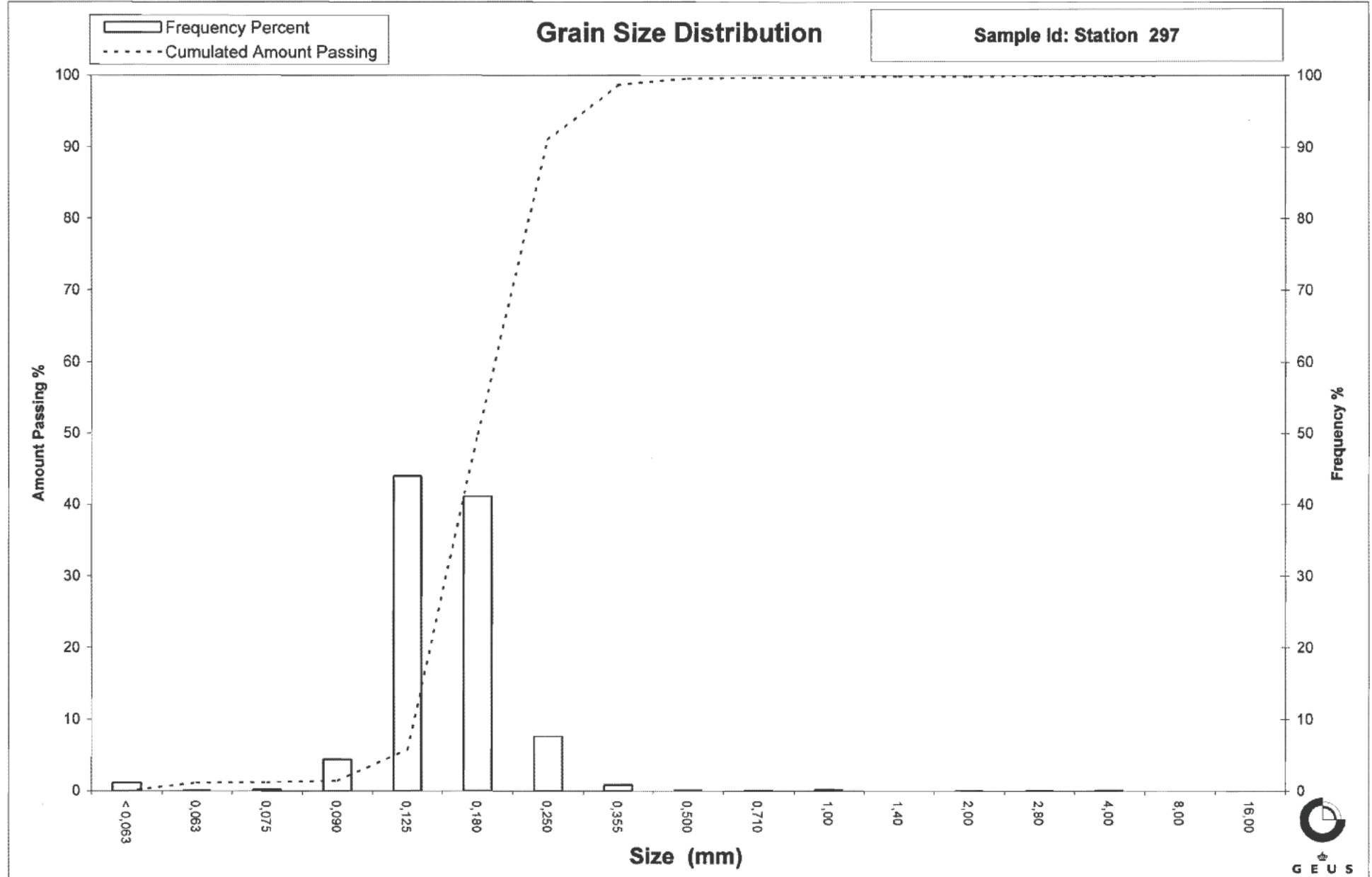
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 298
Lab. Id: 060730
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 107,79 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,15	0,14	99,86
4,00	-2,00	0,40	0,37	99,49
2,80	-1,49	0,15	0,14	99,35
2,00	-1,00	0,08	0,07	99,28
1,40	-0,49	0,11	0,10	99,17
1,00	0,00	0,06	0,06	99,12
0,710	0,49	0,05	0,05	99,07
0,500	1,00	0,20	0,19	98,89
0,355	1,49	1,10	1,02	97,87
0,250	2,00	10,06	9,33	88,53
0,180	2,47	43,37	40,24	48,30
0,125	3,00	45,97	42,65	5,65
0,090	3,47	4,71	4,37	1,28
0,075	3,74	0,27	0,25	1,03
0,063	3,99	0,08	0,07	0,96
< 0,063	> 3,99	1,03	0,96	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,96
Sand, fine (0,063 mm - 0,200 mm):	58,84
Sand, medium (0,2 mm - 0,6 mm):	39,18
Sand, coarse (0,6 mm - 2 mm):	0,30
Gravel (> 2 mm):	0,72
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,32	1,63
16%	84%	0,24	2,05
25%	75%	0,23	2,14
40%	60%	0,20	2,32
Median 50%	50%	0,18	2,45
75%	25%	0,15	2,74
84%	16%	0,14	2,85
90%	10%	0,13	2,94
95%	5%	0,12	3,06

Moments Statistics

Mean	2,45
Sorting	0,42
Skewness	-0,07
Kurtosis	0,99
Uniformity Coefficient	1,53

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

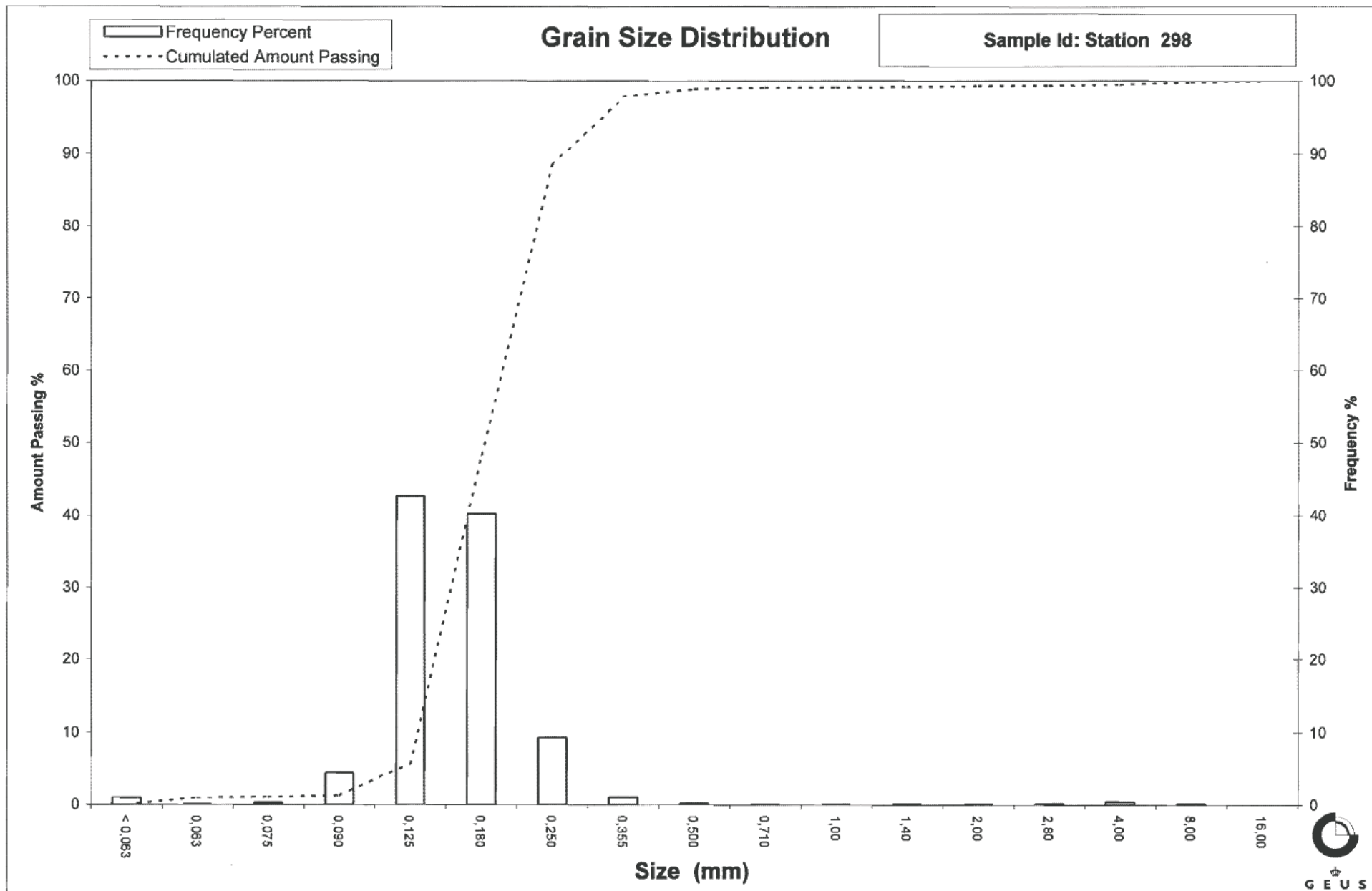
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgg-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 299
Lab. Id: 060731
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 103,82 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,05	0,05	99,95
2,00	-1,00	0,04	0,04	99,91
1,40	-0,49	0,01	0,01	99,90
1,00	0,00	0,26	0,25	99,65
0,710	0,49	0,04	0,04	99,61
0,500	1,00	0,09	0,09	99,53
0,355	1,49	0,62	0,60	98,93
0,250	2,00	6,67	6,42	92,51
0,180	2,47	43,39	41,79	50,71
0,125	3,00	46,08	44,38	6,33
0,090	3,47	4,88	4,70	1,63
0,075	3,74	0,26	0,25	1,38
0,063	3,99	0,08	0,08	1,30
< 0,063	> 3,99	1,35	1,30	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,30
Sand, fine (0,063 mm - 0,200 mm):	61,35
Sand, medium (0,2 mm - 0,6 mm):	36,92
Sand, coarse (0,6 mm - 2 mm):	0,34
Gravel (> 2 mm):	0,09
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,29	1,78
16%	84%	0,24	2,08
25%	75%	0,22	2,18
40%	60%	0,20	2,35
Median 50%	50%	0,18	2,48
75%	25%	0,15	2,75
84%	16%	0,14	2,87
90%	10%	0,13	2,95
95%	5%	0,12	3,12

Moments Statistics

Mean	2,48
Sorting	0,40
Skewness	-0,03
Kurtosis	0,95
Uniformity Coefficient	1,51

The analysis is executed according to DS 405.9
 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles
 are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

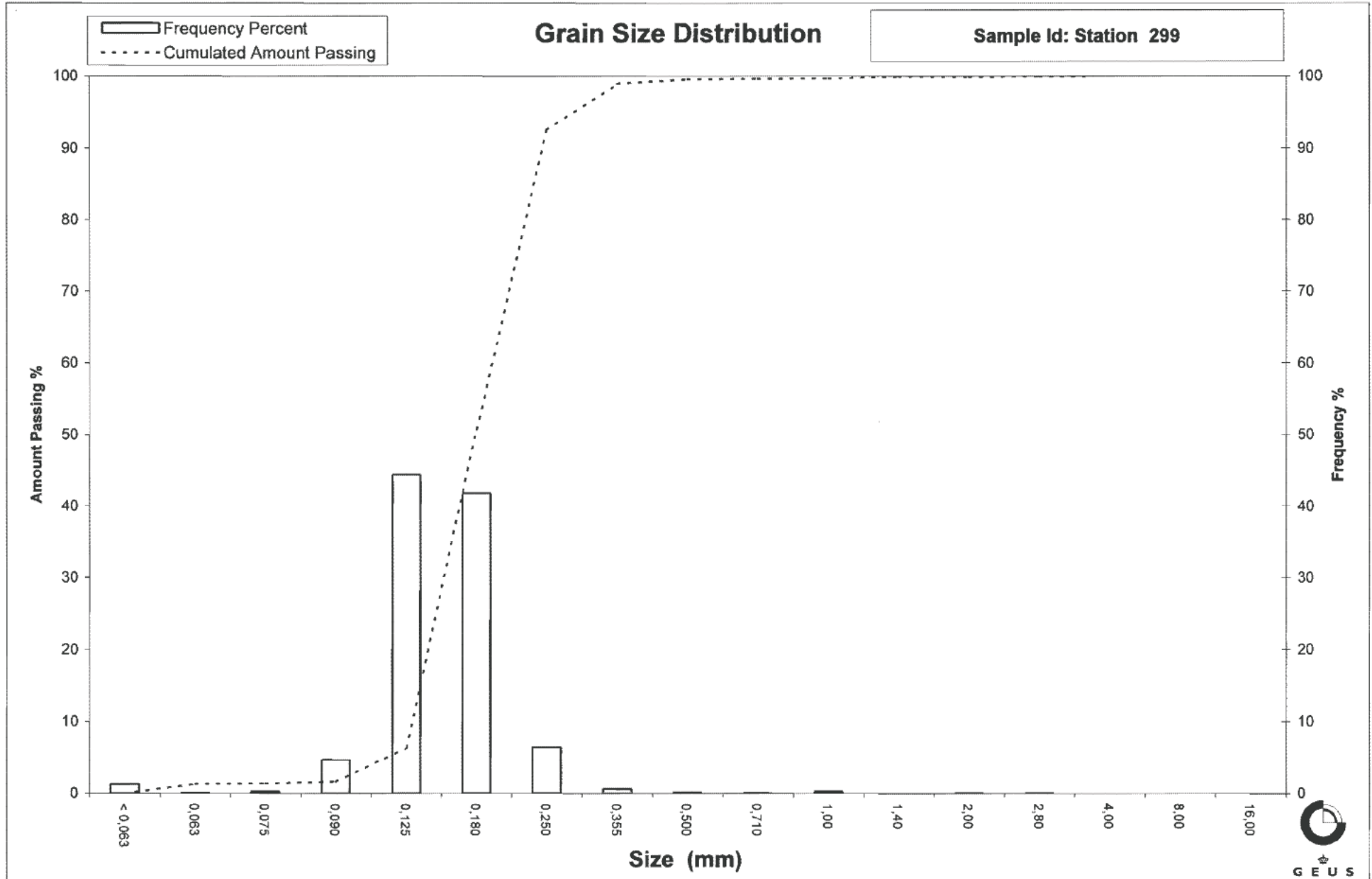
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on
 "Amount in sieve". Uniformity coefficient is based on
 "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 300
Lab. Id: 060732
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 108,33 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,22	0,20	99,80
4,00	-2,00	0,24	0,22	99,58
2,80	-1,49	0,13	0,12	99,46
2,00	-1,00	0,09	0,08	99,37
1,40	-0,49	0,09	0,08	99,29
1,00	0,00	0,07	0,06	99,22
0,710	0,49	0,05	0,05	99,18
0,500	1,00	0,15	0,14	99,04
0,355	1,49	0,92	0,85	98,19
0,250	2,00	10,27	9,48	88,71
0,180	2,47	48,74	44,99	43,72
0,125	3,00	40,97	37,82	5,90
0,090	3,47	4,48	4,14	1,76
0,075	3,74	0,24	0,22	1,54
0,063	3,99	0,06	0,06	1,49
< 0,063	> 3,99	1,61	1,49	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,49
Sand, fine (0,063 mm - 0,200 mm):	55,09
Sand, medium (0,2 mm - 0,6 mm):	42,53
Sand, coarse (0,6 mm - 2 mm):	0,27
Gravel (> 2 mm):	0,63
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,32	1,65
16%	84%	0,24	2,04
25%	75%	0,23	2,13
40%	60%	0,21	2,28
Median 50%	50%	0,19	2,40
75%	25%	0,15	2,71
84%	16%	0,14	2,84
90%	10%	0,13	2,93
95%	5%	0,12	3,09

Moments Statistics

Mean	2,43
Sorting	0,42
Skewness	0,03
Kurtosis	1,02
Uniformity Coefficient	1,57

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K

Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50

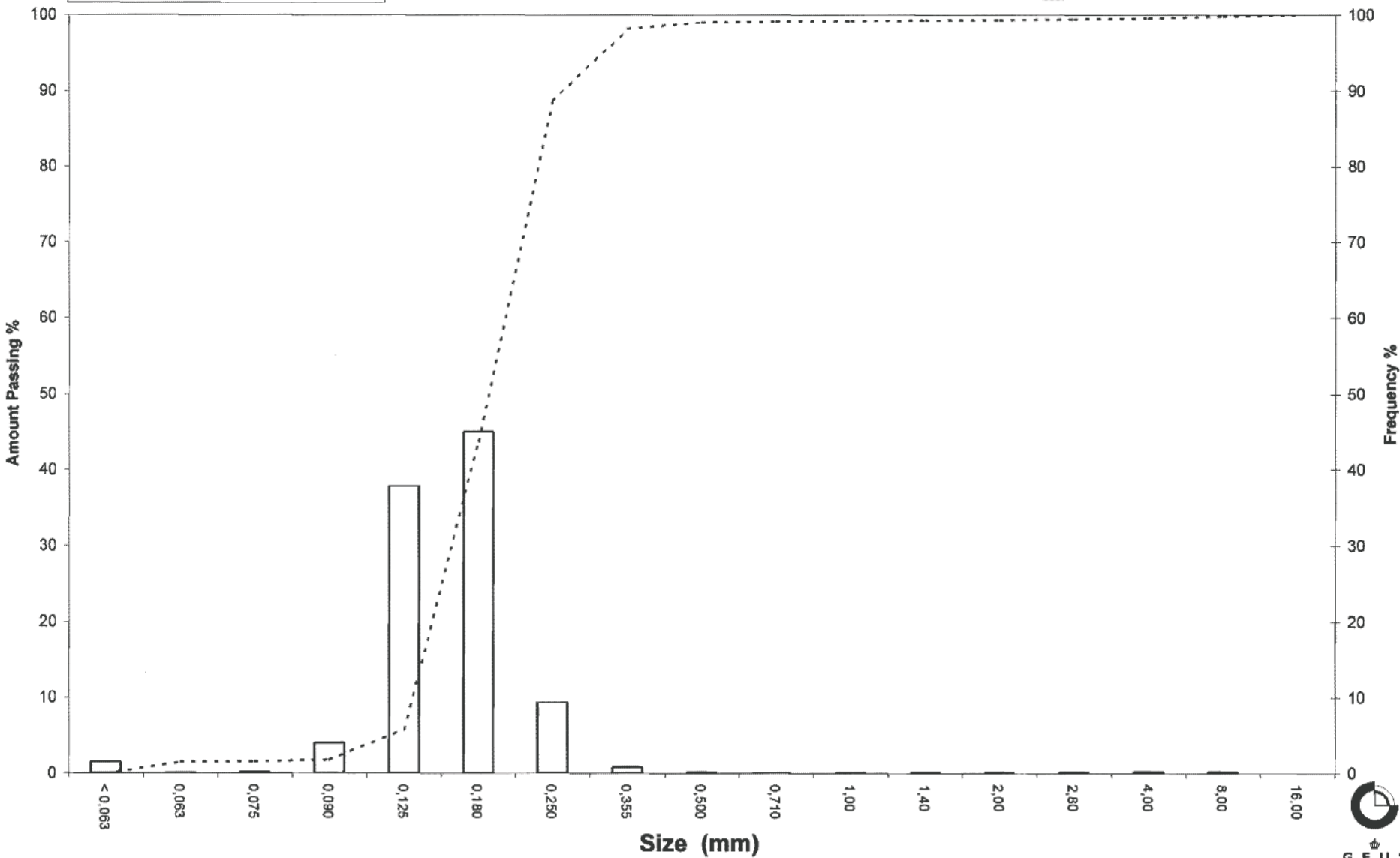
Email: GEUS@geus.dk

www.geus.dk

Grain Size Distribution

Sample Id: Station 300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: Station 306
Lab. Id: 060733
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 121,66 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,03	0,02	99,98
2,00	-1,00	0,03	0,02	99,95
1,40	-0,49	0,36	0,30	99,65
1,00	0,00	1,64	1,35	98,31
0,710	0,49	5,48	4,50	93,80
0,500	1,00	54,65	44,92	48,88
0,355	1,49	37,18	30,56	18,32
0,250	2,00	13,85	11,38	6,94
0,180	2,47	5,02	4,13	2,81
0,125	3,00	1,95	1,60	1,21
0,090	3,47	0,21	0,17	1,04
0,075	3,74	0,03	0,02	1,01
0,063	3,99	0,01	0,01	1,00
< 0,063	> 3,99	1,22	1,00	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,00
Sand, fine (0,063 mm - 0,200 mm):	2,99
Sand, medium (0,2 mm - 0,6 mm):	66,28
Sand, coarse (0,6 mm - 2 mm):	29,68
Gravel (> 2 mm):	0,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,79	0,35
16%	84%	0,66	0,59
25%	75%	0,62	0,68
40%	60%	0,55	0,86
Median 50%	50%	0,51	0,98
75%	25%	0,39	1,37
84%	16%	0,33	1,58
90%	10%	0,28	1,85
95%	5%	0,22	2,20

Moments Statistics

Mean	1,05
Sorting	0,53
Skewness	0,26
Kurtosis	1,11
Uniformity Coefficient	1,98

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

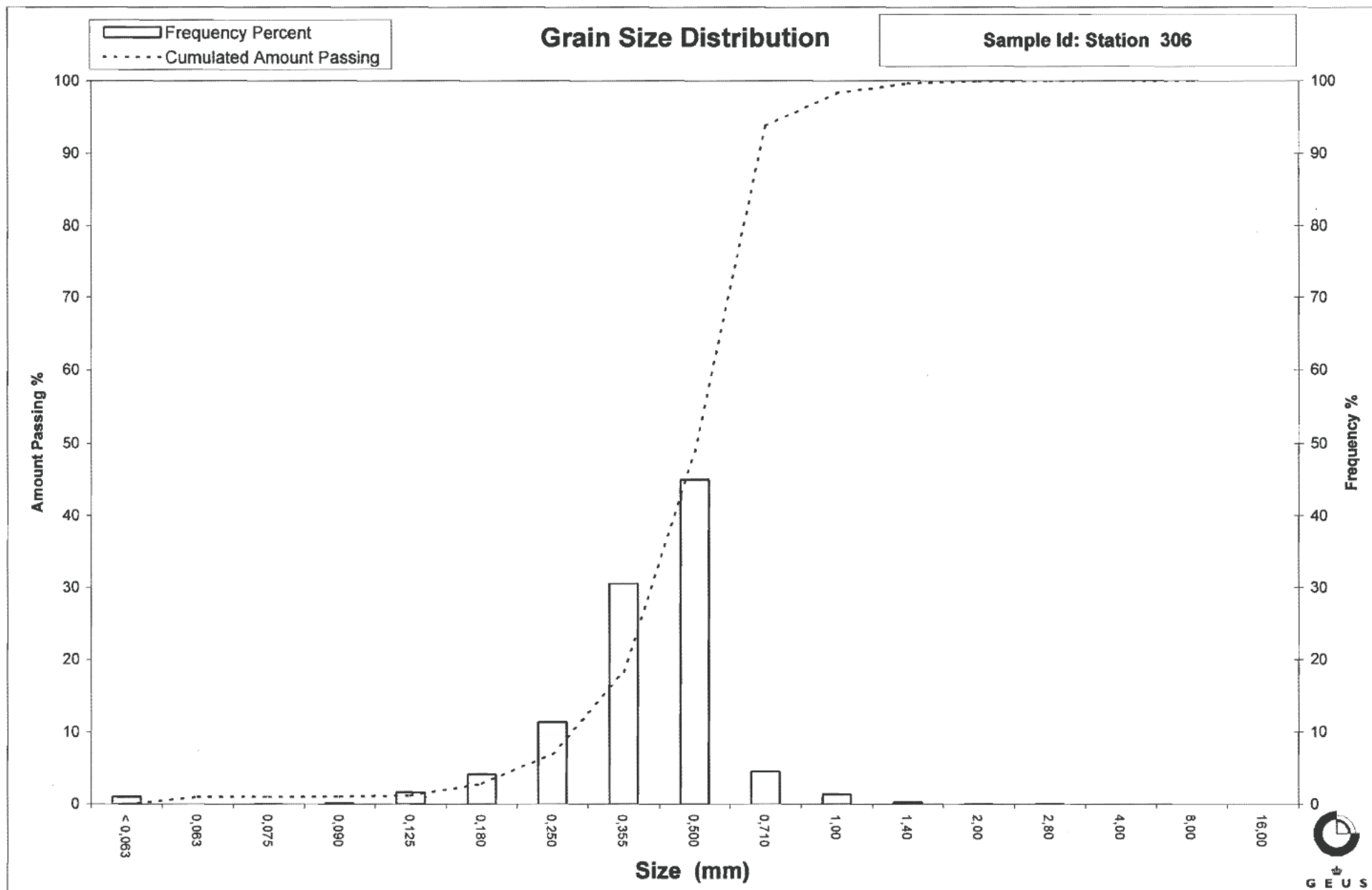
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 307
Lab. Id: 060734
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 106,19 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,03	0,03	99,97
1,40	-0,49	0,27	0,25	99,72
1,00	0,00	0,99	0,93	98,79
0,710	0,49	3,43	3,23	95,56
0,500	1,00	41,54	39,12	56,44
0,355	1,49	36,98	34,82	21,61
0,250	2,00	14,60	13,75	7,86
0,180	2,47	5,15	4,85	3,01
0,125	3,00	1,85	1,74	1,27
0,090	3,47	0,19	0,18	1,09
0,075	3,74	0,03	0,03	1,06
0,063	3,99	0,01	0,01	1,05
< 0,063	> 3,99	1,12	1,05	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,05
Sand, fine (0,063 mm - 0,200 mm):	3,34
Sand, medium (0,2 mm - 0,6 mm):	70,67
Sand, coarse (0,6 mm - 2 mm):	24,91
Gravel (> 2 mm):	0,03
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,71	0,50
16%	84%	0,65	0,63
25%	75%	0,60	0,74
40%	60%	0,52	0,95
Median 50%	50%	0,47	1,08
75%	25%	0,37	1,44
84%	16%	0,31	1,68
90%	10%	0,27	1,91
95%	5%	0,21	2,26

Moments Statistics

Mean	1,13
Sorting	0,53
Skewness	0,24
Kurtosis	1,03
Uniformity Coefficient	1,95

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

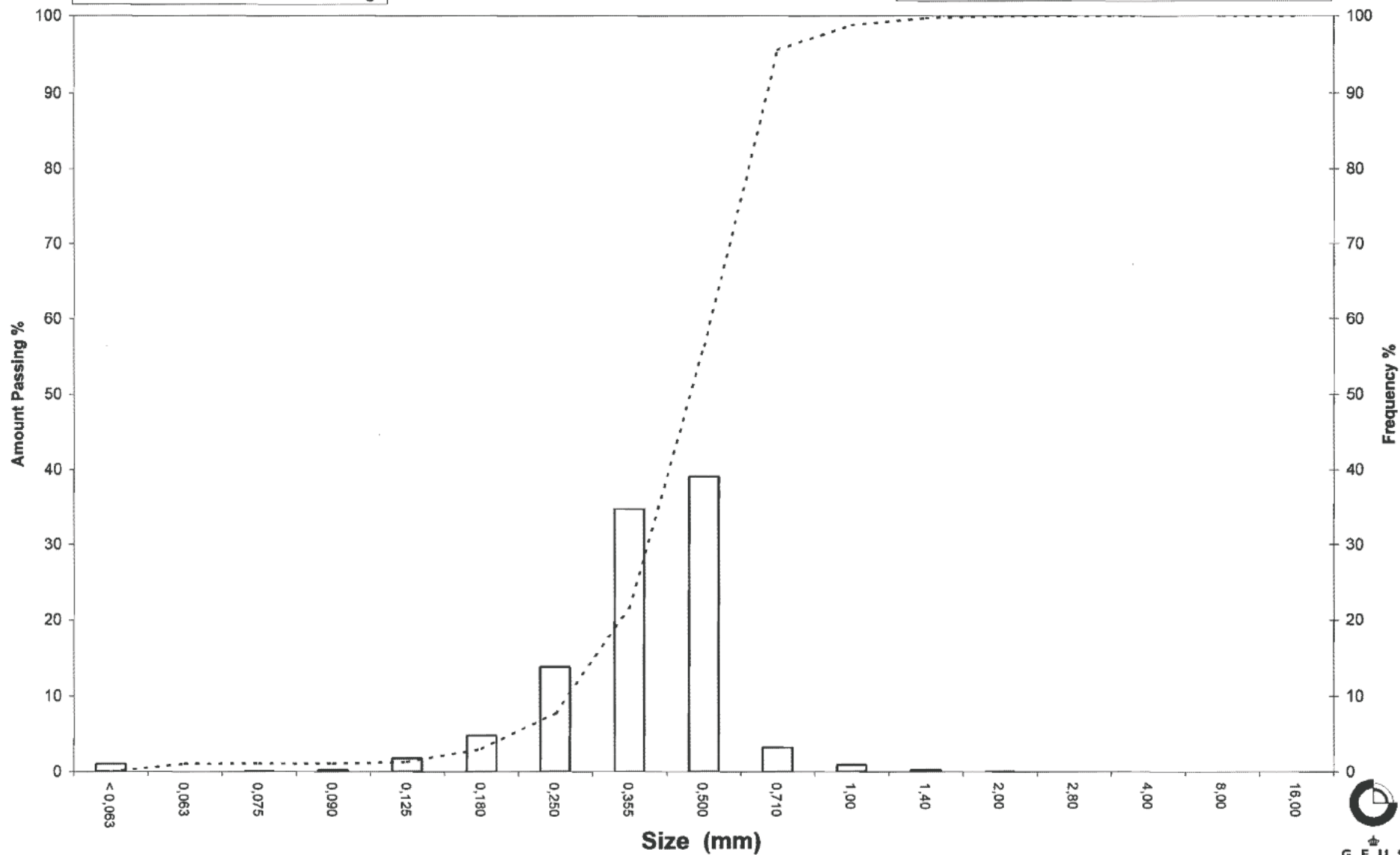
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 307

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: Station 308
Lab. Id: 060735
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 118,34 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,05	0,04	99,96
2,80	-1,49	0,00	0,00	99,96
2,00	-1,00	0,03	0,03	99,93
1,40	-0,49	0,10	0,08	99,85
1,00	0,00	0,62	0,52	99,32
0,710	0,49	3,22	2,72	96,60
0,500	1,00	41,42	35,00	61,60
0,355	1,49	43,85	37,05	24,55
0,250	2,00	17,90	15,13	9,42
0,180	2,47	7,52	6,35	3,07
0,125	3,00	2,75	2,32	0,74
0,090	3,47	0,28	0,24	0,51
0,075	3,74	0,05	0,04	0,46
0,063	3,99	0,02	0,02	0,45
< 0,063	> 3,99	0,53	0,45	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,45
Sand, fine (0,063 mm - 0,200 mm):	4,44
Sand, medium (0,2 mm - 0,6 mm):	73,39
Sand, coarse (0,6 mm - 2 mm):	21,66
Gravel (> 2 mm):	0,07
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,70	0,51
16%	84%	0,63	0,66
25%	75%	0,58	0,78
40%	60%	0,49	1,02
Median 50%	50%	0,45	1,14
75%	25%	0,36	1,49
84%	16%	0,30	1,76
90%	10%	0,25	1,98
95%	5%	0,20	2,31

Moments Statistics

Mean	1,18
Sorting	0,55
Skewness	0,22
Kurtosis	1,05
Uniformity Coefficient	1,94

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

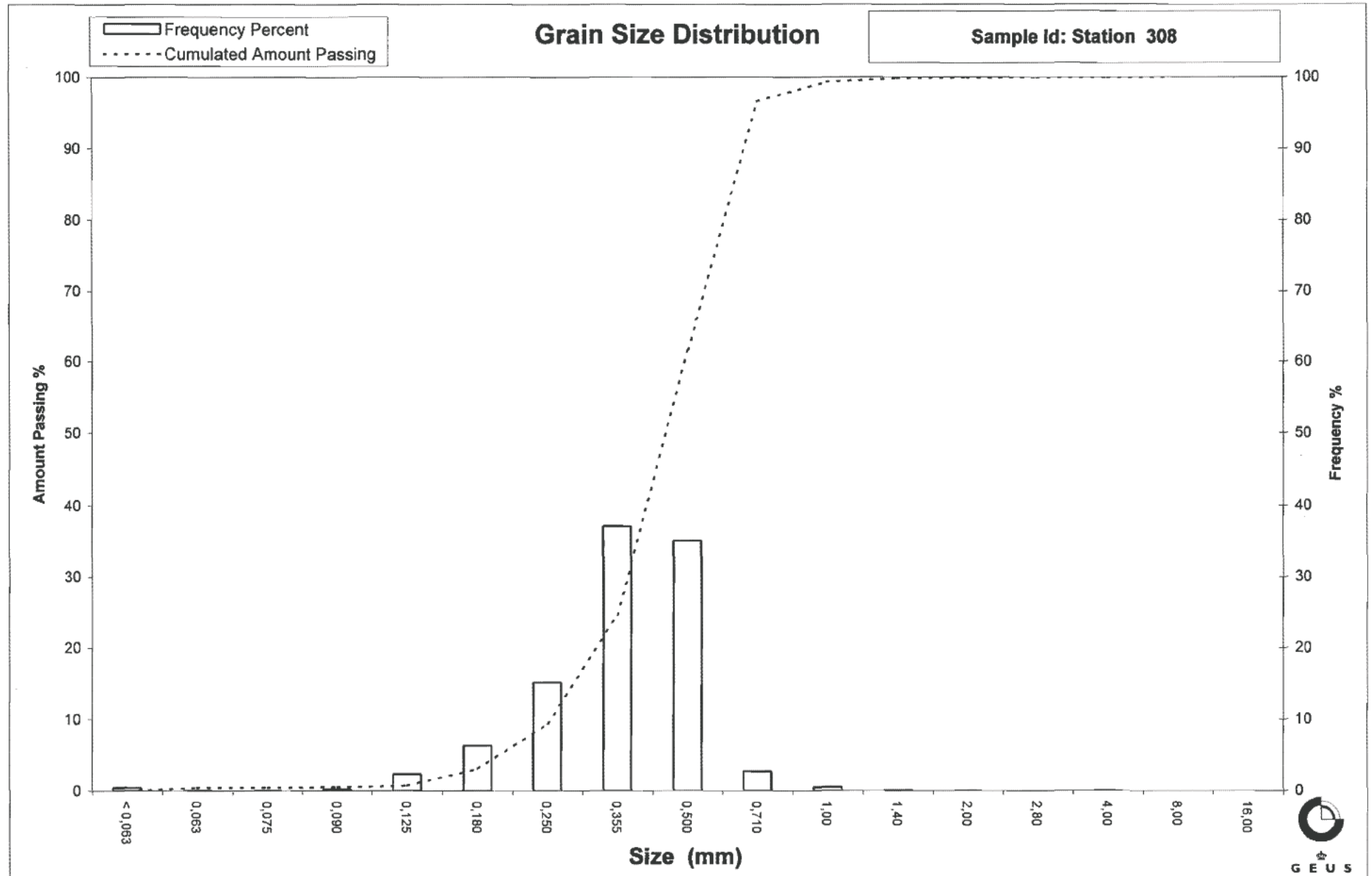
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 309
Lab. Id: 060736
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 102,96 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,02	0,02	99,98
1,40	-0,49	0,14	0,14	99,84
1,00	0,00	0,29	0,28	99,56
0,710	0,49	2,41	2,34	97,22
0,500	1,00	35,18	34,17	63,05
0,355	1,49	38,80	37,68	25,37
0,250	2,00	16,85	16,37	9,00
0,180	2,47	5,71	5,55	3,46
0,125	3,00	2,14	2,08	1,38
0,090	3,47	0,21	0,20	1,18
0,075	3,74	0,05	0,05	1,13
0,063	3,99	0,01	0,01	1,12
< 0,063	> 3,99	1,15	1,12	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,12
Sand, fine (0,063 mm - 0,200 mm):	3,93
Sand, medium (0,2 mm - 0,6 mm):	74,28
Sand, coarse (0,6 mm - 2 mm):	20,66
Gravel (> 2 mm):	0,02
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,70	0,52
16%	84%	0,63	0,67
25%	75%	0,57	0,80
40%	60%	0,49	1,03
Median 50%	50%	0,45	1,15
75%	25%	0,35	1,50
84%	16%	0,29	1,76
90%	10%	0,26	1,96
95%	5%	0,20	2,33

Moments Statistics

Mean	1,19
Sorting	0,55
Skewness	0,21
Kurtosis	1,05
Uniformity Coefficient	1,90

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

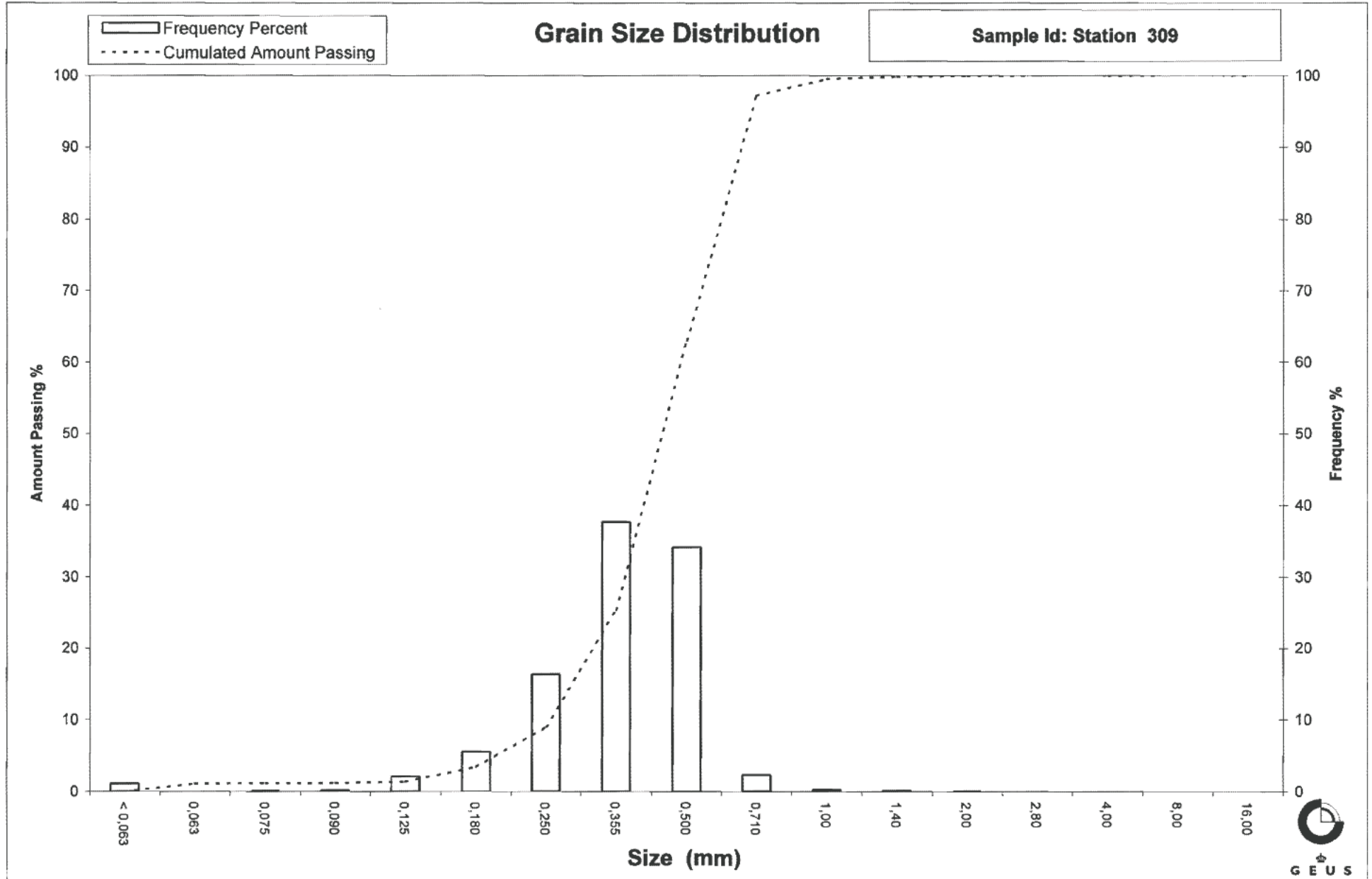
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 310
Lab. Id: 060737
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 122,1 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,03	0,02	99,98
2,00	-1,00	0,00	0,00	99,98
1,40	-0,49	0,04	0,03	99,94
1,00	0,00	0,51	0,42	99,52
0,710	0,49	2,30	1,88	97,64
0,500	1,00	36,75	30,10	67,54
0,355	1,49	48,86	40,02	27,53
0,250	2,00	21,43	17,55	9,98
0,180	2,47	8,01	6,56	3,42
0,125	3,00	2,62	2,15	1,27
0,090	3,47	0,24	0,20	1,07
0,075	3,74	0,03	0,02	1,05
0,063	3,99	0,01	0,01	1,04
< 0,063	> 3,99	1,27	1,04	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,04
Sand, fine (0,063 mm - 0,200 mm):	4,25
Sand, medium (0,2 mm - 0,6 mm):	76,59
Sand, coarse (0,6 mm - 2 mm):	18,10
Gravel (> 2 mm):	0,02
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,69	0,53
16%	84%	0,61	0,70
25%	75%	0,55	0,86
40%	60%	0,47	1,08
Median 50%	50%	0,44	1,20
75%	25%	0,34	1,56
84%	16%	0,29	1,81
90%	10%	0,25	2,00
95%	5%	0,20	2,34

Moments Statistics

Mean	1,23
Sorting	0,55
Skewness	0,19
Kurtosis	1,06
Uniformity Coefficient	1,89

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean ($\phi_{16\%} + \phi_{84\%} + \phi_{50\%}$) / 3 (Folk and Ward 1957)

Sorting ($\phi_{84\%} - \phi_{16\%}$) / 4 + ($\phi_{95\%} - \phi_{5\%}$) / 6,6 (Folk and Ward 1957)

Kurtosis ($\phi_{95\%} - \phi_{5\%}$) / (2,44 * ($\phi_{75\%} - \phi_{25\%}$)) (Folk and Ward 1957)

Skewness ($\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}$) / (2 * ($\phi_{84\%} - \phi_{16\%}$)) + ($\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}$) / (2 * ($\phi_{95\%} - \phi_{5\%}$)) (Folk and Ward 1957)

Uniformity Coefficient ($d_{60\%} / d_{10\%}$) (dgf-Bulletin 1988)

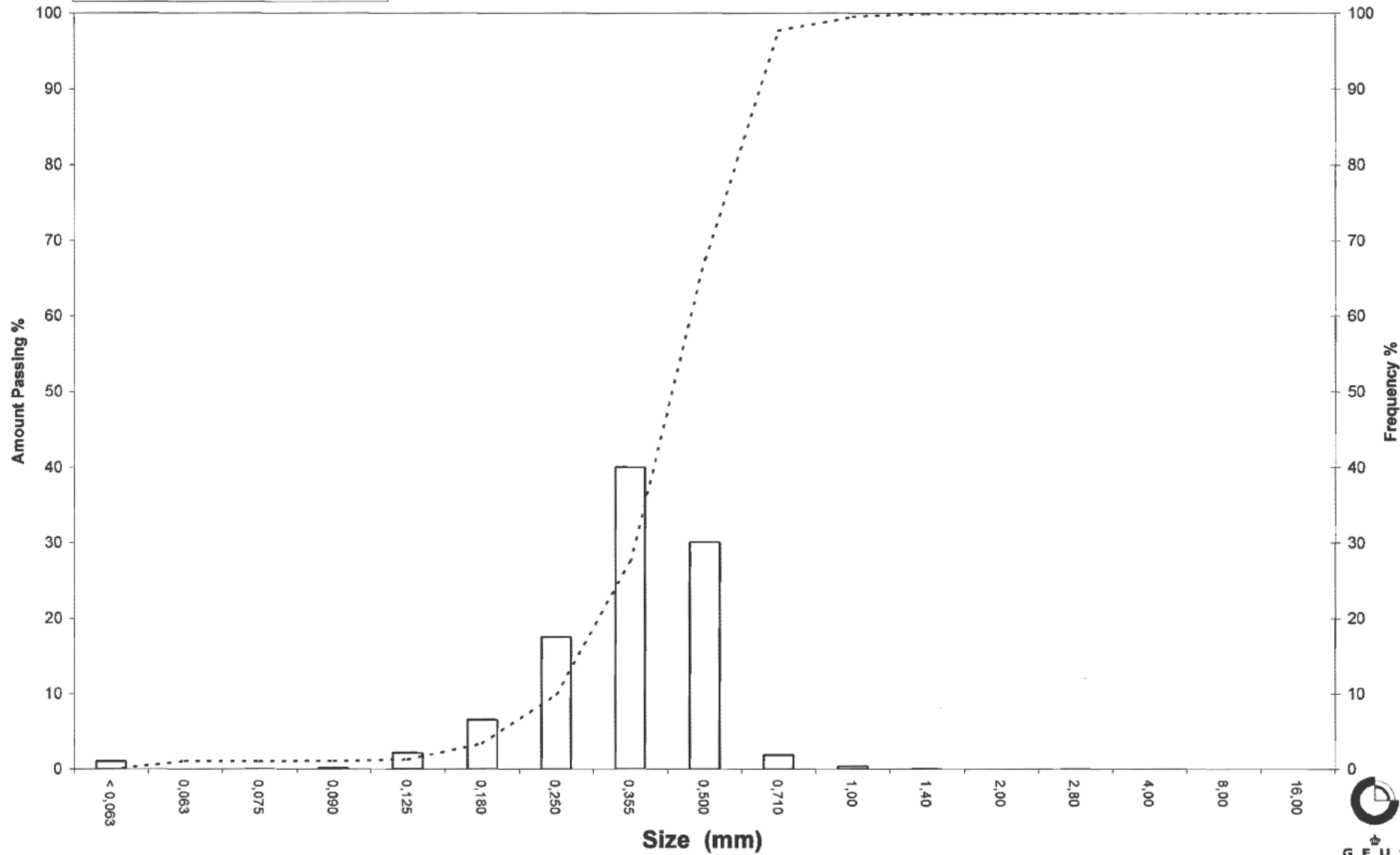
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 310

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: Station 316
Lab. Id: 060738
Submitter: DFU
Subject: Tøgt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 107,64 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,05	0,05	99,95
2,80	-1,49	0,00	0,00	99,95
2,00	-1,00	0,07	0,07	99,89
1,40	-0,49	1,05	0,98	98,91
1,00	0,00	5,47	5,08	93,83
0,710	0,49	9,04	8,40	85,43
0,500	1,00	18,22	16,93	68,51
0,355	1,49	33,31	30,95	37,56
0,250	2,00	26,46	24,58	12,98
0,180	2,47	9,94	9,23	3,74
0,125	3,00	2,72	2,53	1,22
0,090	3,47	0,29	0,27	0,95
0,075	3,74	0,05	0,05	0,90
0,063	3,99	0,02	0,02	0,88
< 0,063	> 3,99	0,95	0,88	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,88
Sand, fine (0,063 mm - 0,200 mm):	5,50
Sand, medium (0,2 mm - 0,6 mm):	70,18
Sand, coarse (0,6 mm - 2 mm):	23,32
Gravel (> 2 mm):	0,11
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,09	-0,13
16%	84%	0,69	0,53
25%	75%	0,58	0,78
40%	60%	0,46	1,12
Median 50%	50%	0,41	1,27
75%	25%	0,30	1,73
84%	16%	0,26	1,93
90%	10%	0,23	2,14
95%	5%	0,19	2,40

Moments Statistics

Mean	1,24
Sorting	0,73
Skewness	-0,09
Kurtosis	1,09
Uniformity Coefficient	2,02

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

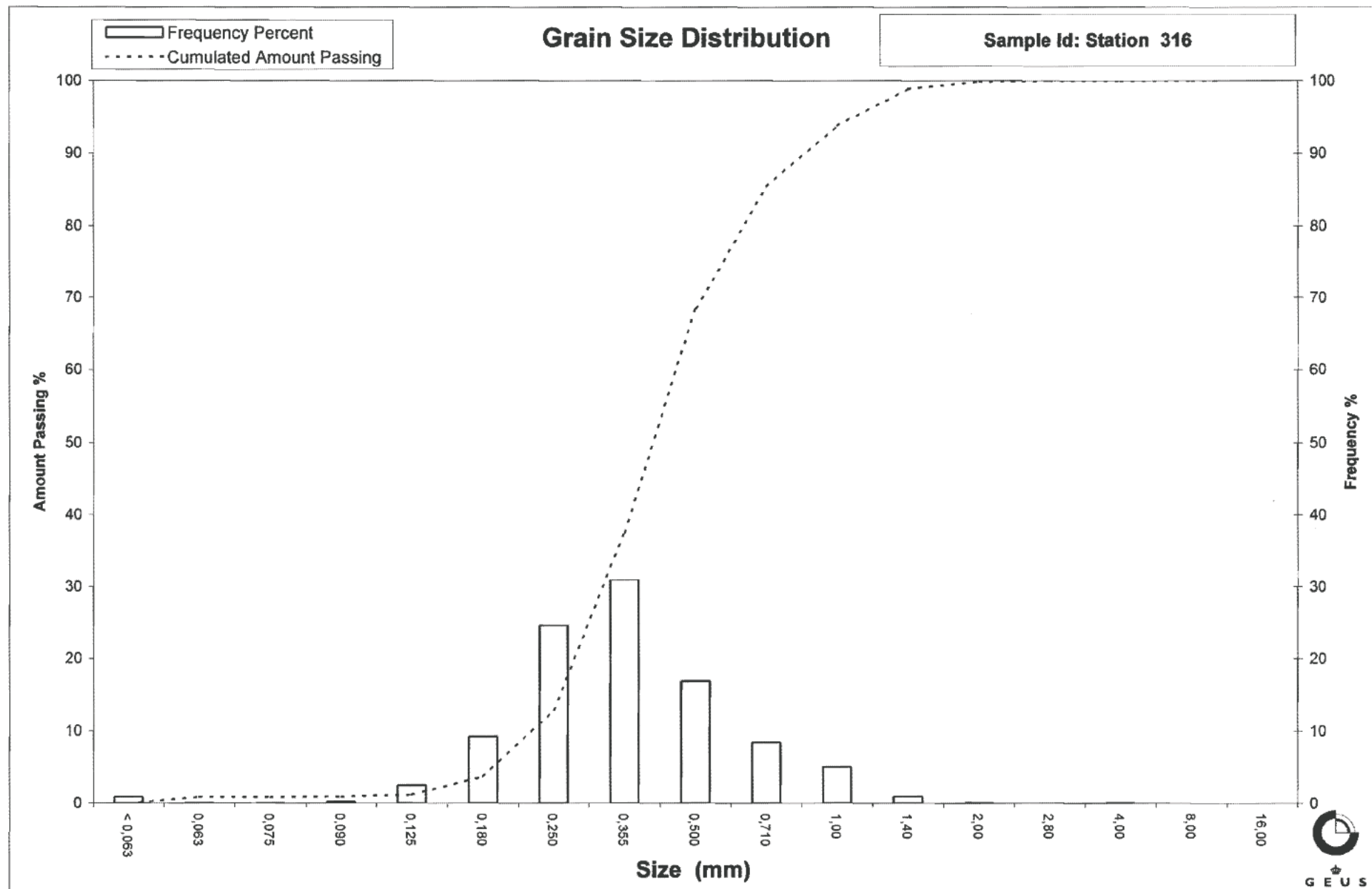
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 317
Lab. Id: 060739
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 205,92 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
				%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,01	99,99
2,00	-1,00	0,11	0,05	99,94
1,40	-0,49	3,03	1,47	98,47
1,00	0,00	18,14	8,81	89,66
0,710	0,49	29,53	14,34	75,32
0,500	1,00	42,10	20,44	54,87
0,355	1,49	56,00	27,20	27,68
0,250	2,00	38,70	18,79	8,88
0,180	2,47	11,64	5,65	3,23
0,125	3,00	3,79	1,84	1,39
0,090	3,47	0,51	0,25	1,14
0,075	3,74	0,10	0,05	1,09
0,063	3,99	0,03	0,01	1,08
< 0,063	> 3,99	2,22	1,08	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,08
Sand, fine (0,063 mm - 0,200 mm):	3,77
Sand, medium (0,2 mm - 0,6 mm):	59,76
Sand, coarse (0,6 mm - 2 mm):	35,33
Gravel (> 2 mm):	0,06
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,24	-0,31
16%	84%	0,89	0,18
25%	75%	0,71	0,50
40%	60%	0,55	0,86
Median 50%	50%	0,47	1,08
75%	25%	0,34	1,56
84%	16%	0,29	1,79
90%	10%	0,26	1,96
95%	5%	0,20	2,31

Moments Statistics

Mean	1,01
Sorting	0,80
Skewness	-0,09
Kurtosis	1,02
Uniformity Coefficient	2,16

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

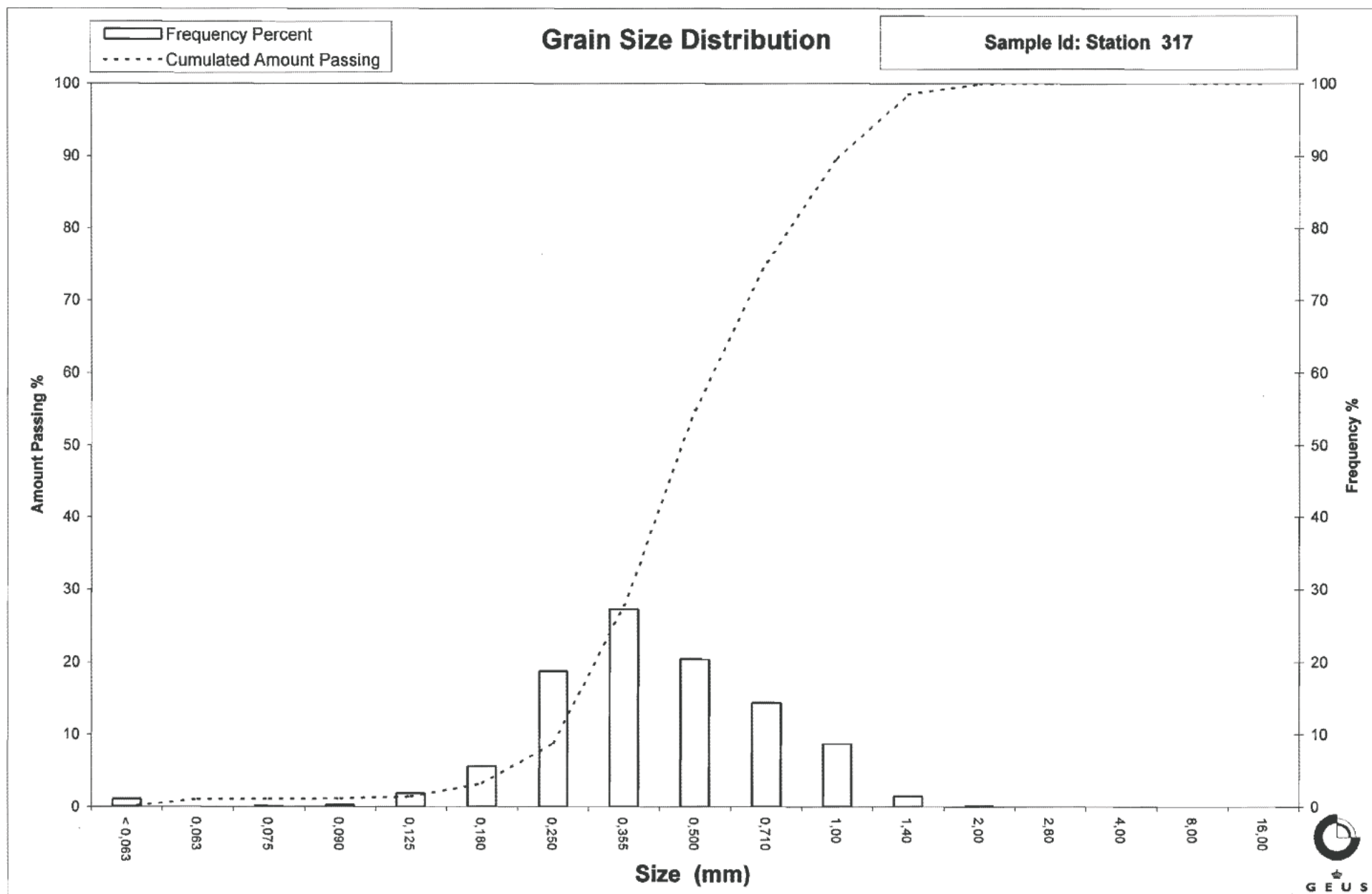
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 318
Lab. Id: 060740
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 124,22 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,12	0,10	99,90
2,80	-1,49	0,02	0,02	99,89
2,00	-1,00	0,01	0,01	99,88
1,40	-0,49	1,59	1,28	98,60
1,00	0,00	9,73	7,83	90,77
0,710	0,49	18,19	14,64	76,12
0,500	1,00	26,46	21,30	54,82
0,355	1,49	34,34	27,64	27,18
0,250	2,00	24,02	19,34	7,84
0,180	2,47	6,50	5,23	2,61
0,125	3,00	2,19	1,76	0,85
0,090	3,47	0,34	0,27	0,57
0,075	3,74	0,10	0,08	0,49
0,063	3,99	0,05	0,04	0,45
< 0,063	> 3,99	0,56	0,45	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,45
Sand, fine (0,063 mm - 0,200 mm):	3,65
Sand, medium (0,2 mm - 0,6 mm):	60,86
Sand, coarse (0,6 mm - 2 mm):	34,91
Gravel (> 2 mm):	0,12
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,22	-0,28
16%	84%	0,87	0,21
25%	75%	0,70	0,52
40%	60%	0,55	0,86
Median 50%	50%	0,47	1,07
75%	25%	0,34	1,54
84%	16%	0,29	1,76
90%	10%	0,26	1,93
95%	5%	0,21	2,24

Moments Statistics

Mean	1,02
Sorting	0,77
Skewness	-0,10
Kurtosis	1,01
Uniformity Coefficient	2,11

The analysis is executed according to DS 405.9 extended by sieves to the ½ phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

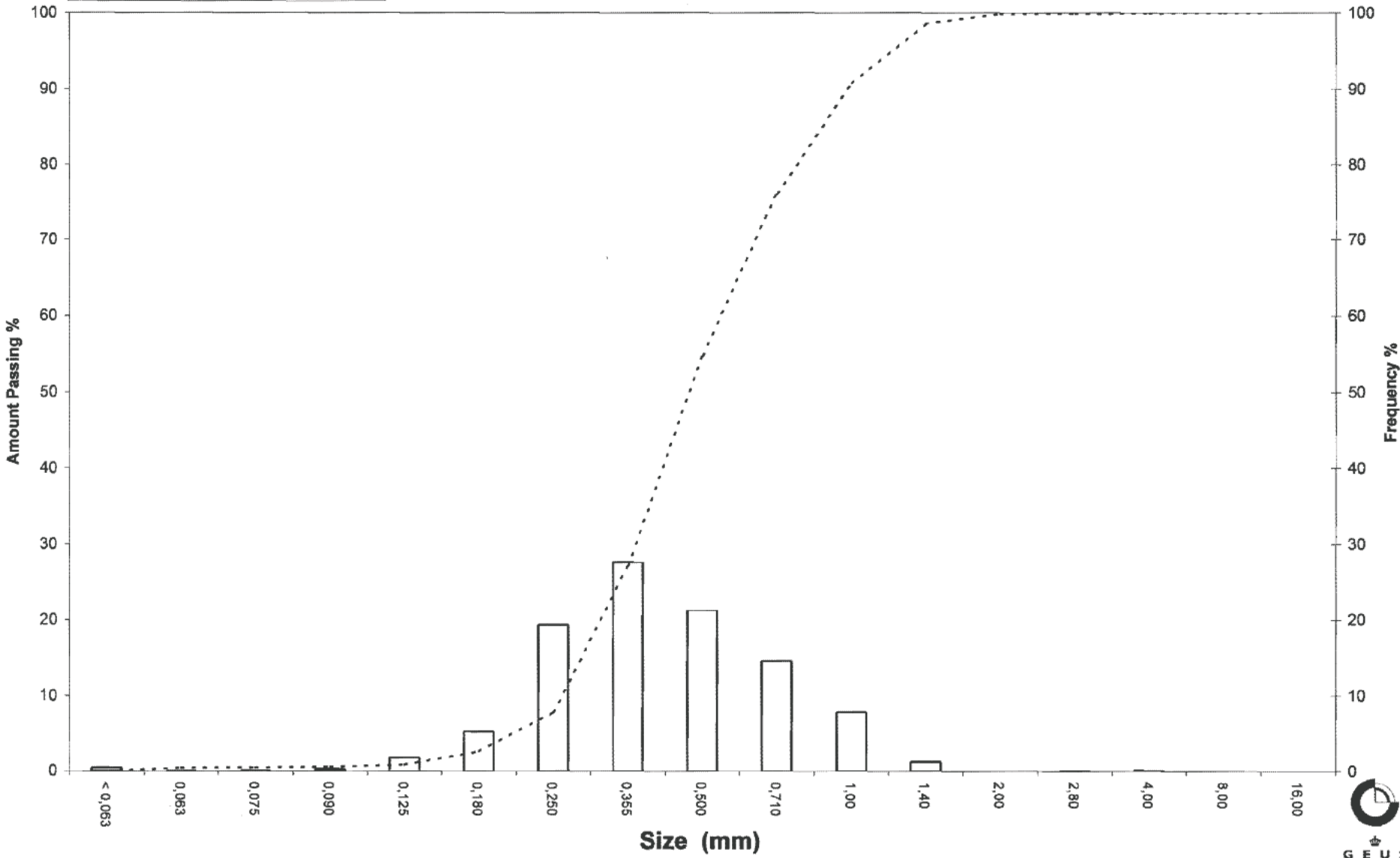
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk

Grain Size Distribution

Sample Id: Station 318

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: Station 319
Lab. Id: 060741
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 2,0 mm



Total Weight 105,01 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,04	0,04	99,96
1,40	-0,49	0,32	0,30	99,66
1,00	0,00	4,04	3,85	95,81
0,710	0,49	9,81	9,34	86,47
0,500	1,00	24,15	23,00	63,47
0,355	1,49	34,50	32,85	30,62
0,250	2,00	22,29	21,23	9,39
0,180	2,47	7,03	6,69	2,69
0,125	3,00	1,73	1,65	1,05
0,090	3,47	0,18	0,17	0,88
0,075	3,74	0,02	0,02	0,86
0,063	3,99	0,01	0,01	0,85
< 0,063	> 3,99	0,89	0,85	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,85
Sand, fine (0,063 mm - 0,200 mm):	3,76
Sand, medium (0,2 mm - 0,6 mm):	69,81
Sand, coarse (0,6 mm - 2 mm):	25,54
Gravel (> 2 mm):	0,04
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,97	0,04
16%	84%	0,69	0,54
25%	75%	0,61	0,72
40%	60%	0,48	1,04
Median 50%	50%	0,44	1,18
75%	25%	0,33	1,61
84%	16%	0,28	1,82
90%	10%	0,25	1,98
95%	5%	0,20	2,29

Moments Statistics

Mean	1,18
Sorting	0,66
Skewness	-0,01
Kurtosis	1,04
Uniformity Coefficient	1,92

The analysis is executed according to DS 405.9
 extended by sieves to the ½ phi scale

Size Classes and Percentiles
 are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

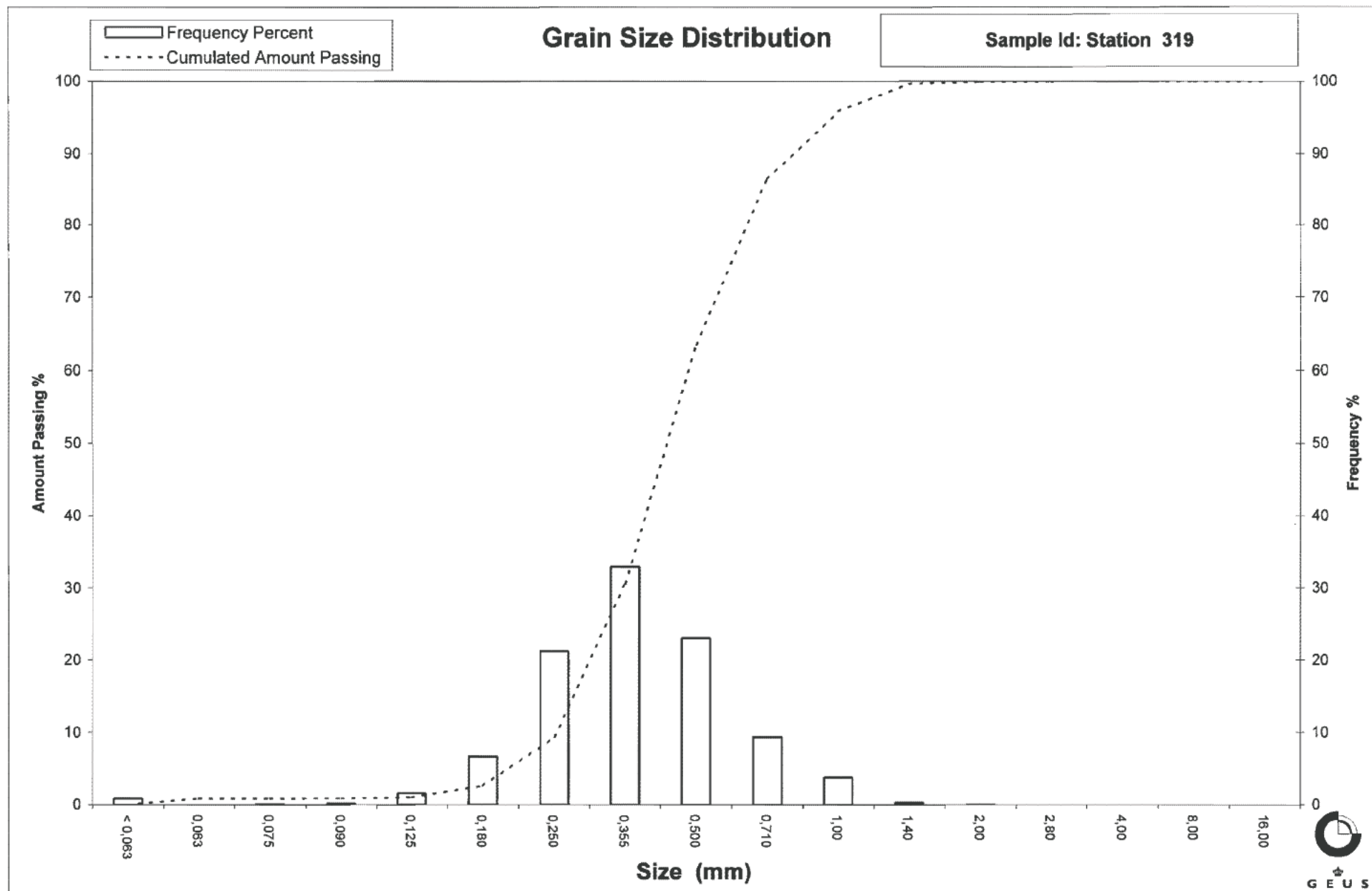
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on
 "Amount in sieve". Uniformity coefficient is based on
 "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K
 Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50
 Email: GEUS@geus.dk
 www.geus.dk



Grain Size Distribution

Geotechnical

Sample Id: Station 320
Lab. Id: 060742
Submitter: DFU
Subject: Togt E349 05
Date: april/maj 2006
Executed: I.Nørgaard M.R. Pedersen
Remarks: For mat < 8,0 mm



Total Weight 208,82 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,12	0,06	99,94
4,00	-2,00	0,03	0,01	99,93
2,80	-1,49	0,00	0,00	99,93
2,00	-1,00	0,04	0,02	99,91
1,40	-0,49	0,78	0,37	99,54
1,00	0,00	10,01	4,79	94,74
0,710	0,49	22,83	10,93	83,81
0,500	1,00	49,39	23,65	60,16
0,355	1,49	63,70	30,50	29,65
0,250	2,00	42,80	20,50	9,16
0,180	2,47	14,08	6,74	2,41
0,125	3,00	2,80	1,34	1,07
0,090	3,47	0,26	0,12	0,95
0,075	3,74	0,04	0,02	0,93
0,063	3,99	0,01	0,00	0,92
< 0,063	> 3,99	1,93	0,92	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,92
Sand, fine (0,063 mm - 0,200 mm):	3,42
Sand, medium (0,2 mm - 0,6 mm):	67,08
Sand, coarse (0,6 mm - 2 mm):	28,49
Gravel (> 2 mm):	0,09
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,02	-0,03
16%	84%	0,72	0,48
25%	75%	0,63	0,66
40%	60%	0,50	1,00
Median 50%	50%	0,45	1,15
75%	25%	0,33	1,59
84%	16%	0,29	1,81
90%	10%	0,25	1,98
95%	5%	0,21	2,27

Moments Statistics

Mean	1,15
Sorting	0,68
Skewness	-0,01
Kurtosis	1,01
Uniformity Coefficient	1,96

The analysis is executed according to DS 405.9 extended by sieves to the 1/2 phi scale

Size Classes and Percentiles are found by linear interpolation

Formulas

Mean $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

Sorting $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$ (Folk and Ward 1957)

Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

Uniformity Coefficient $(d_{60\%} / d_{10\%})$ (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

Øster voldgade 10, DK-1350 Copenhagen K

Tel.: +45 38 14 20 00 Telefax: +45 38 14 20 50

Email: GEUS@geus.dk

www.geus.dk

Grain Size Distribution

Sample Id: Station 320

Frequency Percent
Cumulated Amount Passing

