DANMARKS OG GRØNLANDS GEOLOGISKE UNDERSØGELSE RAPPORT 2007/10

Datarapport: Kornstørrelsesfordeling

Laboratorie analyser for Danmarks Fiskeriundersøgelser

I. Nørgaard

DANMARKS OG GRØNLANDS GEOLOGISKE UNDERSØGELSE
MILJØMINISTERIET

GEUS

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Stationsskema Tobis "Pernille kim" togt <L151> december 2006

POS	Station	Redskab	Start UTC	Start N lat	min	sek	Start E lon	min	sek	vand dpt	m. dato
4267,27	1	Vvny	16:00	56	54	870	7	36	35	20	4.12.06
4065,02	22	Vvny	17:30	56	3	724	5	17	174	38	5.12.06
4065,02	23	Vvny	17:40	56	3	720	5	17	170	38	5.12.06
4165,01	29	Vvny	19:50	56	1	690	5	15	515	39	5.12.06
4165,01	30	Vvny	20:00	56	1	695	5	15	520	39	5.12.06
4065,04	36	Vvny	22:25	55	59	913	5	18	108	41	5.12.06
4065,04	37	Vvny	22:30	55	59	910	5	18	100	41	5.12.06
4065,03	43	Vvny	00:45	55	58	149	5	14	891	44	6.12.06
4065,03	44	Vvny	00:50	55	58	25	5	14	815	44	6.12.06
3964,03	60	Vvny	16:00	55	28	979	4	24	652	30	6.12.06
3964,03	61	Vvny	16:20	55	28	981	4	24	655	30	6.12.06
3964,01	67	Vvny	19:30	55	25	166	4	4	38	29	6.12.06
3964,01	68	Vvny	19:40	55	25	157	4	4	28	29	6.12.06
nyPOS200	74	Vvny	22:22	55	23	138	3	50	412	27	6.12.06
nyPOS200	75	Vvny	22:29	55	23	169	3	50	393	27	6.12.06
3963,04	81	Vvny	01:06	55	15	826	3	43	379	32	7.12.06
3963,04	82	Vvny	01:11	55	15	876	3	43	227	32	7.12.06
3762,02	90	Vvny	16:19	54	9	5	2	3	619	27	8.12.06
3762,02	91	Vvny	16:23	54	9	31	2	3	623	27	8.12.06
3762,02	92	Vvny	16:27	54	9	43	2	3	651	27	8.12.06
3762,02	93	Vvny	16:30	54	9	16	2	3	635	27	8.12.06
3762,02	94	Vvny	16:33	54	8	984	2	3	613	27	8.12.06
3762,02	95	VvGL	16:33	54	8	963	2	3	571	27	8.12.06
3762,02	96	VvGL	16:45	54	8	954	2	3	577	27	8.12.06
3762,02	97	VvGL	16:53	54	8	993	2	3	679	27	8.12.06
3762,02	98	VvGL	16:56	54	9	5	2	3	662	27	8.12.06
3762,02	99	VvGL	17:00	54	8	965	2	3	640	27	8.12.06
3761,08	105	Vvny	20:42	54	11	366	1	34	778	28	8.12.06
3761,08	106	Vvny	20:46	54	11	360	1	34	723	28	8.12.06
3760,05	112	Vvny	01:00	54	19	60	0	55	768	48	9.12.06
3760,05	113	Vvny	01:06	54	18	961	0	55	823	48	9.12.06
3760,04	119	Vvny	03:28	54	15	745	0	47	911	54	9.12.06
3760,04	120	Vvny	03:34	54	15	810	0	47	909	58	9.12.06
nyPOS200	131	Vvny	07:16	54	12	907	0	47	991	30	9.12.06

nyPOS200	132 Vvny	07:20	54	12	878	0	48	33	34	9.12.06
3861,14	133 Vvny	18:25	54	50	282	1	25	918	23	9.12.06
3861,14	134 Vvny	18:29	54	50	983	1	25	894	23	9.12.06
3861,14	135 Vvny	18:32	54	50	978	1	25	895	23	9.12.06
3861,14	136 Vvny	18:35	54	50	971	1	25	878	23	9.12.06
3861,14	137 Vvny	18:38	54	50	948	1	25	874	23	9.12.06
3861,14	138 VvGL	18:47	54	51	16	1	25	988	23	9.12.06
3861,14	139 VvGL	18:52	54	51	13	1	25	970	23	9.12.06
3861,14	140 VvGL	18:56	54	50	993	1	25	971	23	9.12.06
3861,14	141 VvGL	19:14	54	50	810	1	25	895	23	9.12.06
3861,14	142 VvGL	19:22	54	50	750	1	25	933	23	9.12.06
3861,19	148 Vvny	20:43	54	34	14	1	15	799	24	9.12.06
3861,19	149 Vvny	20:46	54	34	9	1	15	809	24	9.12.06
3861,23	160 Vvny	00:40	54	32	759	1	37	394	18	10.12.06
3861,23	161 Vvny	00:43	54	32	798	1	37	301	18	10.12.06
3761,03	167 Vvny	02:42	54	27	955	1	44	66	16	10.12.06
3761,03	168 Vvny	02:45	54	27	993	1	43	985	16	10.12.06
3761,04	179 Vvny	06:20	54	28	84	1	59	37	16	10.12.06
3761,04	180 Vvny	06:22	54	28	120	1	59	16	16	10.12.06
3961,29	186 Vvny	16:23	55	1	41	1	21	60	30	11.12.06
3961,29	187 Vvny	16:26	55	1	38	1	21	4	30	11.12.06
3961,28	198 Vvny	19:52	55	4	536	1	22	902	25	11.12.06
3961,28	199 Vvny	19:56	55	4	534	1	22	947	25	11.12.06
3861,32	205 Vvny	23:30	54	59	302	1	50	832	25	11.12.06
3861,32	206 Vvny	23:34	54	59	347	1	50	899	25	11.12.06
4263,02	227 Vvny	15:22	56	48	798	3	42	781	53	13.12.06
4263,02	228 Vvny	15:33	56	48	763	3	42	904	53	13.12.06
4365,08	239 Vvny	15:05	57	7	833	5	12	898	52	14.12.06
4365,08	240 Vvny	15:15	57	7	854	5	12	976	52	14.12.06
4365,08	241 Vvny	15:20	57	7	812	5	12	982	52	14.12.06
4365,08	242 Vvny	15:25	57	7	789	5	12	928	52	14.12.06
4365,08	243 Vvny	15:29	57	7	777	5	12	852	52	14.12.06
4365,04	251 Vvny	18:37	57	8	510	5	29	573	43	14.12.06
4365,04	252 Vvny	18:42	57	8	464	5	28	539	43	14.12.06
4365,01	259 Vvny	22:15	57	15	320	5	31	388	57	14.12.06
4365,01	260 Vvny	22:20	57	15	365	5	31	389	57	14.12.06

4366,06	268 Vvny	03:00	57	6	155	6	7	562	47	15.12.06
4366,06	269 Vvny	03:05	57	6	163	6	7	528	47	15.12.06

Prøvebehandling

GEUS har foretaget analyser på 72 sedimentprøver fra Tobistogt L 151 december 2006.
Ved modtagelsen af prøverne er de blevet registreret med følgende 5 kategorier:
- dato
- lokalitet
- fortløbende laboratorienummer
- rekvirent
- analysekrav

Analysemetoder

Sigteanalyse:
Totalprøven er tørret og sigtet gennem en sigtesøjle fra 32 mm ned til 0,063 mm med ½ phi intervaller, hvilket svarer til 16 sigter. Metoden er tillempet i forhold til DS 405.9 idet der er indføjet flere sigter end der beskrives i denne standard.

Resultater

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

Referencer

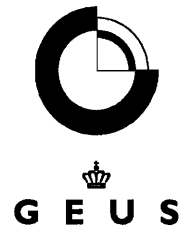
Dansk Standard DS 405.9. Kornstørrelsesfordeling bestemt ved sigteanalyse. Dansk Standardiseringsråd, Kbh. 1978.

Bilag 1

Grain Size Distribution

Geotechnical

Sample Id: Station 1
Lab. Id: 070003
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 111,09 g

Size Fractions

Sieve Analysis — Gravel / Sand

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	0,20	0,18	99,79
1,00	0,00	0,16	0,14	99,65
0,710	0,49	0,53	0,48	99,17
0,500	1,00	2,38	2,14	97,03
0,355	1,49	11,85	10,67	86,36
0,250	2,00	44,07	39,67	46,69
0,180	2,47	36,94	33,25	13,44
0,125	3,00	12,32	11,09	2,35
0,090	3,47	1,31	1,18	1,17
0,075	3,74	0,09	0,08	1,09
0,063	3,99	0,01	0,01	1,08
< 0,063	> 3,99	1,20	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):	21,86
Sand, medium	(0,2 mm - 0,6 mm):	75,11
Sand, coarse	(0,6 mm - 2 mm):	1,92
Gravel	(> 2 mm):	0,03
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,47	1,08
16%	84%	0,35	1,52
25%	75%	0,32	1,62
40%	60%	0,29	1,81
Median 50%	50%	0,26	1,95
75%	25%	0,20	2,29
84%	16%	0,19	2,43
90%	10%	0,16	2,62
95%	5%	0,14	2,86

Moments Statistics

Mean	1,97
Sorting	0,50
Skewness	0,04
Kurtosis	1,09
Uniformity Coefficient	1,75

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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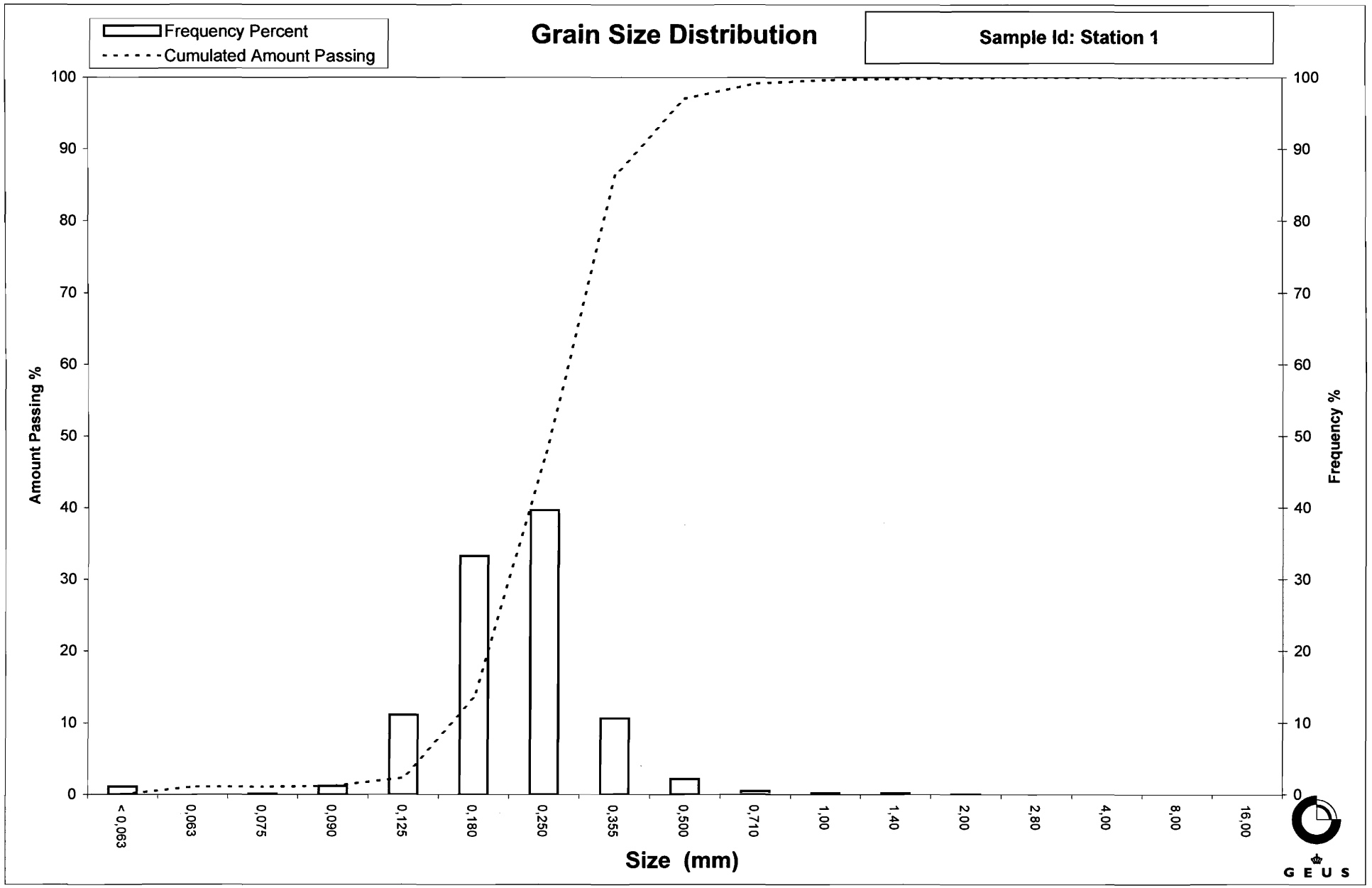
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 1
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 22
Lab. Id: 070004
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm

G E U S

Total Weight 201,02 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,21	0,10	99,90
	2,00	-1,00	0,24	0,12	99,78
Sand	1,40	-0,49	0,46	0,23	99,55
	1,00	0,00	1,44	0,72	98,83
	0,710	0,49	6,43	3,20	95,63
	0,500	1,00	36,84	18,33	77,31
	0,355	1,49	81,39	40,49	36,82
	0,250	2,00	47,82	23,79	13,03
	0,180	2,47	15,33	7,63	5,40
	0,125	3,00	7,53	3,75	1,66
	0,090	3,47	1,13	0,56	1,09
	0,075	3,74	0,09	0,04	1,05
	0,063	3,99	0,02	0,01	1,04
	< 0,063	> 3,99	2,09	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):	6,54
Sand, medium	(0,2 mm - 0,6 mm):	78,45
Sand, coarse	(0,6 mm - 2 mm):	13,74
Gravel	(> 2 mm):	0,22
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,70	0,51
16%	84%	0,58	0,79
25%	75%	0,49	1,02
40%	60%	0,44	1,19
Median 50%	50%	0,40	1,31
75%	25%	0,30	1,72
84%	16%	0,26	1,93
90%	10%	0,22	2,17
95%	5%	0,17	2,52

Moments Statistics

Mean	1,34
Sorting	0,59
Skewness	0,14
Kurtosis	1,18
Uniformity Coefficient	1,97

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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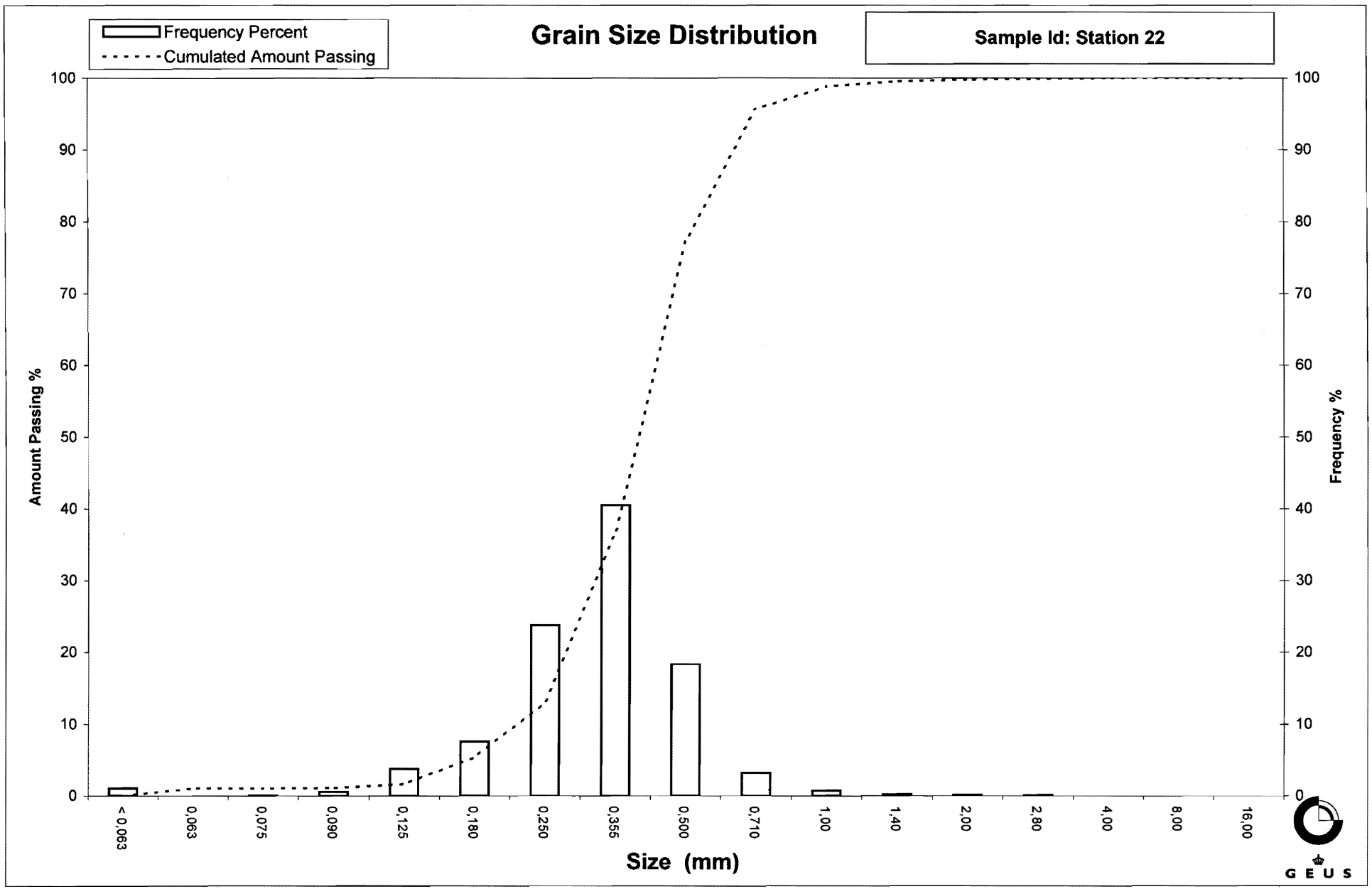
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 22
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 23
Lab. Id: 070005
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 121,77 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,25	0,21	99,79
	2,00	-1,00	0,04	0,03	99,76
Sand	1,40	-0,49	0,41	0,34	99,43
	1,00	0,00	1,26	1,03	98,39
	0,710	0,49	6,98	5,73	92,66
	0,500	1,00	28,54	23,44	69,22
	0,355	1,49	47,26	38,81	30,41
	0,250	2,00	23,51	19,31	11,10
	0,180	2,47	8,09	6,64	4,46
	0,125	3,00	3,88	3,19	1,27
	0,090	3,47	0,51	0,42	0,85
	0,075	3,74	0,05	0,04	0,81
	0,063	3,99	0,02	0,02	0,80
	< 0,063	> 3,99	0,97	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):	5,56
Sand, medium	(0,2 mm - 0,6 mm):	74,02
Sand, coarse	(0,6 mm - 2 mm):	19,38
Gravel	(> 2 mm):	0,24
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,83	0,27
16%	84%	0,63	0,66
25%	75%	0,55	0,86
40%	60%	0,47	1,10
Median 50%	50%	0,43	1,22
75%	25%	0,33	1,62
84%	16%	0,28	1,85
90%	10%	0,24	2,07
95%	5%	0,19	2,43

Moments Statistics

Mean	1,25
Sorting	0,63
Skewness	0,09
Kurtosis	1,16
Uniformity Coefficient	1,95

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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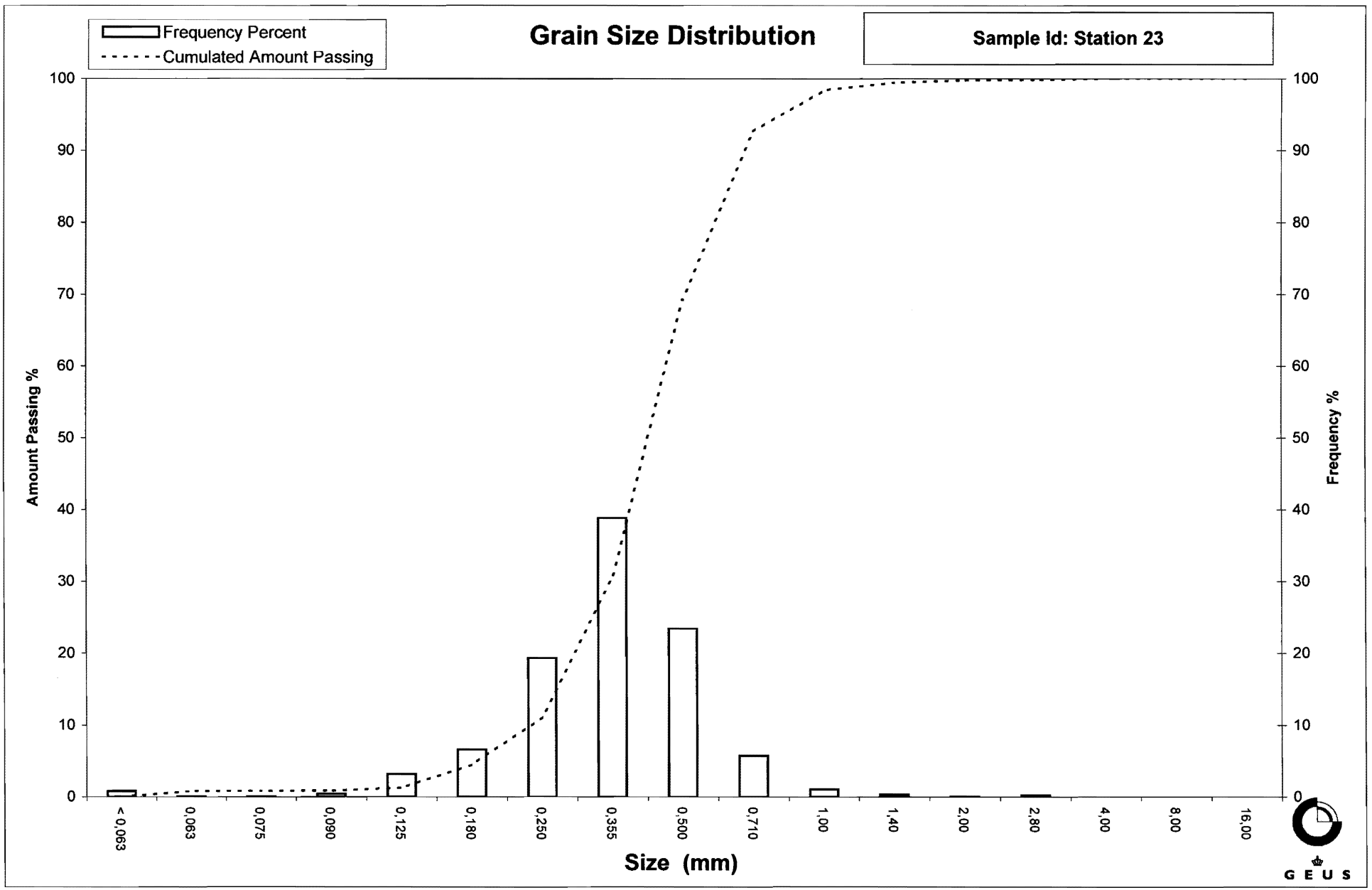
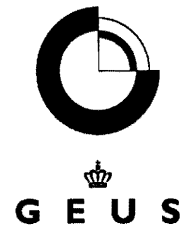

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 23
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 29
Lab. Id: 070006
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 188,55 g

Size Fractions

Sieve Analysis

	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	0,32	0,17	99,83
	2,80	-1,49	0,07	0,04	99,79
	2,00	-1,00	0,29	0,15	99,64
Sand	1,40	-0,49	0,70	0,37	99,27
	1,00	0,00	1,31	0,69	98,57
	0,710	0,49	6,71	3,56	95,01
	0,500	1,00	34,61	18,36	76,66
	0,355	1,49	59,18	31,39	45,27
	0,250	2,00	46,95	24,90	20,37
	0,180	2,47	30,54	16,20	4,17
	0,125	3,00	5,74	3,04	1,13
	0,090	3,47	0,24	0,13	1,00
	0,075	3,74	0,05	0,03	0,98
	0,063	3,99	0,02	0,01	0,97
	< 0,063	> 3,99	1,82	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):	7,84
Sand, medium	(0,2 mm - 0,6 mm):	76,60
Sand, coarse	(0,6 mm - 2 mm):	14,24
Gravel	(> 2 mm):	0,36
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,71	0,49
16%	84%	0,58	0,78
25%	75%	0,49	1,02
40%	60%	0,42	1,24
Median 50%	50%	0,38	1,41
75%	25%	0,27	1,89
84%	16%	0,23	2,11
90%	10%	0,21	2,29
95%	5%	0,18	2,45

Moments Statistics

Mean	1,43
Sorting	0,63
Skewness	0,06
Kurtosis	0,92
Uniformity Coefficient	2,06

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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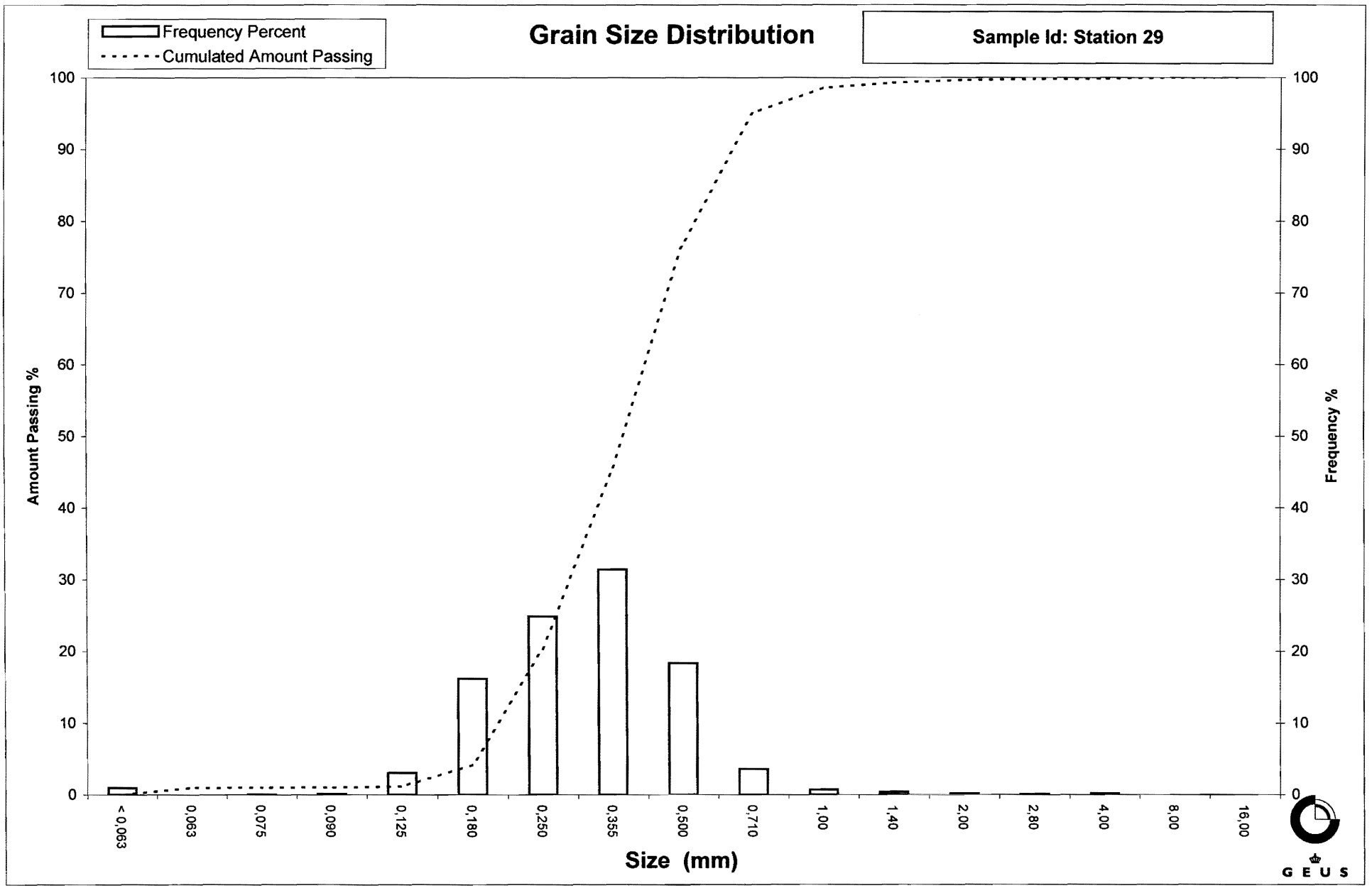
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 29
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 30
Lab. Id: 070007
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

Total Weight 116,06 g

Size Fractions

Sieve Analysis — Gravel / Sand

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	0,19	0,16	99,84
2,00	-1,00	0,31	0,27	99,57
1,40	-0,49	0,19	0,16	99,41
1,00	0,00	0,44	0,38	99,03
0,710	0,49	1,69	1,46	97,57
0,500	1,00	14,08	12,13	85,44
0,355	1,49	37,06	31,93	53,51
0,250	2,00	35,44	30,54	22,97
0,180	2,47	22,01	18,96	4,01
0,125	3,00	3,52	3,03	0,97
0,090	3,47	0,33	0,28	0,69
0,075	3,74	0,06	0,05	0,64
0,063	3,99	0,02	0,02	0,62
< 0,063	> 3,99	0,72	0,62	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,62
Sand, fine	(0,063 mm - 0,200 mm):	8,80
Sand, medium	(0,2 mm - 0,6 mm):	81,79
Sand, coarse	(0,6 mm - 2 mm):	8,35
Gravel	(> 2 mm):	0,43
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,67	0,59
16%	84%	0,49	1,02
25%	75%	0,45	1,14
40%	60%	0,38	1,38
Median 50%	50%	0,34	1,54
75%	25%	0,26	1,96
84%	16%	0,22	2,16
90%	10%	0,20	2,31
95%	5%	0,18	2,44

Moments Statistics

Mean	1,57
Sorting	0,57
Skewness	0,02
Kurtosis	0,93
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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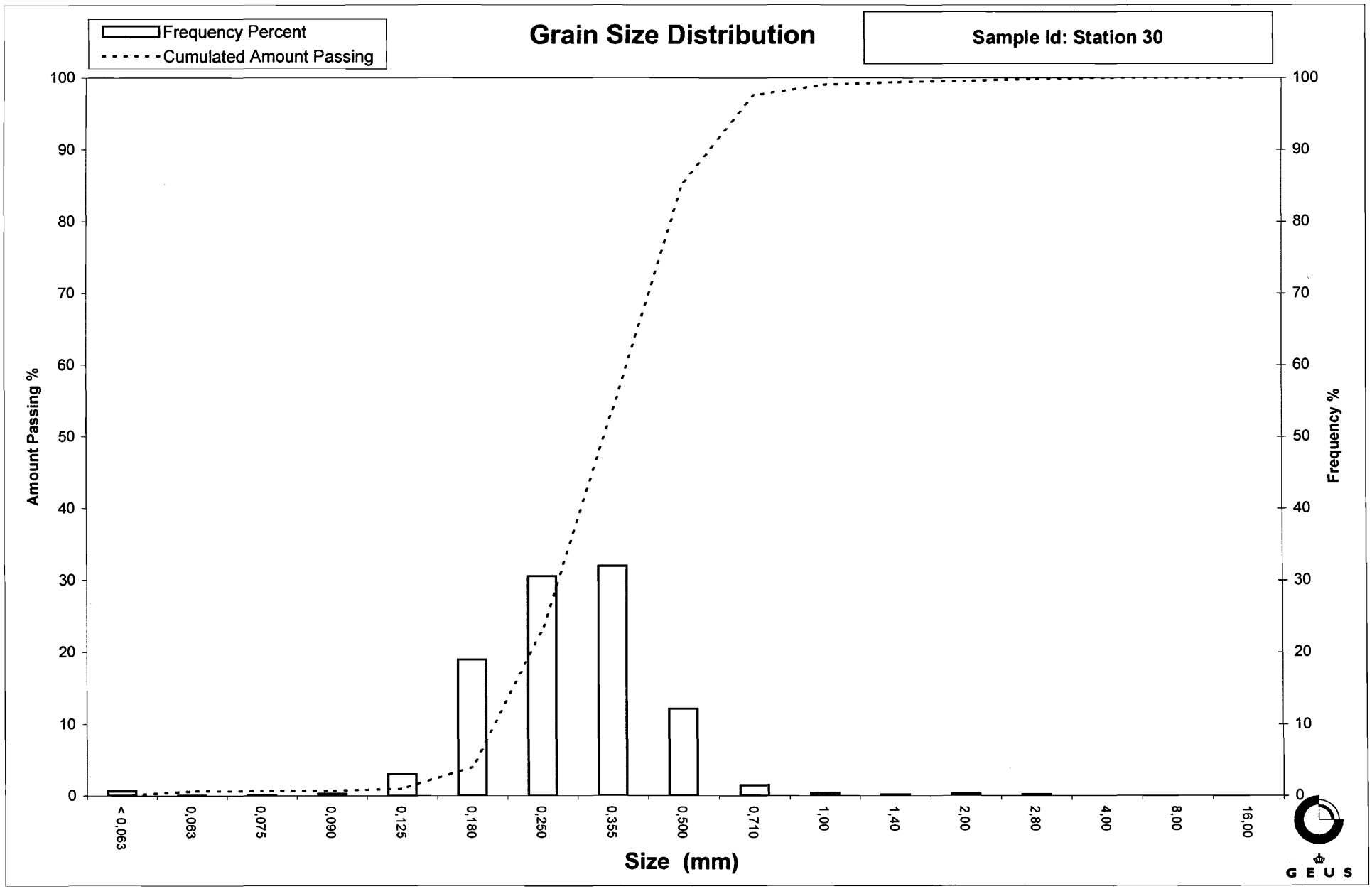
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 30
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 36
Lab. Id: 070008
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 104,41 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,03	0,03	99,97
Sand	1,40	-0,49	0,03	0,03	99,94
	1,00	0,00	0,06	0,06	99,89
	0,710	0,49	0,17	0,16	99,72
	0,500	1,00	2,41	2,31	97,41
	0,355	1,49	14,14	13,54	83,87
	0,250	2,00	45,34	43,42	40,45
	0,180	2,47	35,31	33,82	6,63
	0,125	3,00	4,83	4,63	2,00
	0,090	3,47	0,32	0,31	1,70
	0,075	3,74	0,19	0,18	1,51
	0,063	3,99	0,06	0,06	1,46
	< 0,063	> 3,99	1,52	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):	14,83
Sand, medium	(0,2 mm - 0,6 mm):	82,22
Sand, coarse	(0,6 mm - 2 mm):	1,46
Gravel	(> 2 mm):	0,03
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,47	1,08
16%	84%	0,36	1,49
25%	75%	0,33	1,58
40%	60%	0,30	1,75
Median 50%	50%	0,27	1,87
75%	25%	0,22	2,20
84%	16%	0,20	2,33
90%	10%	0,19	2,42
95%	5%	0,16	2,64

Moments Statistics

Mean	1,90
Sorting	0,45
Skewness	0,03
Kurtosis	1,04
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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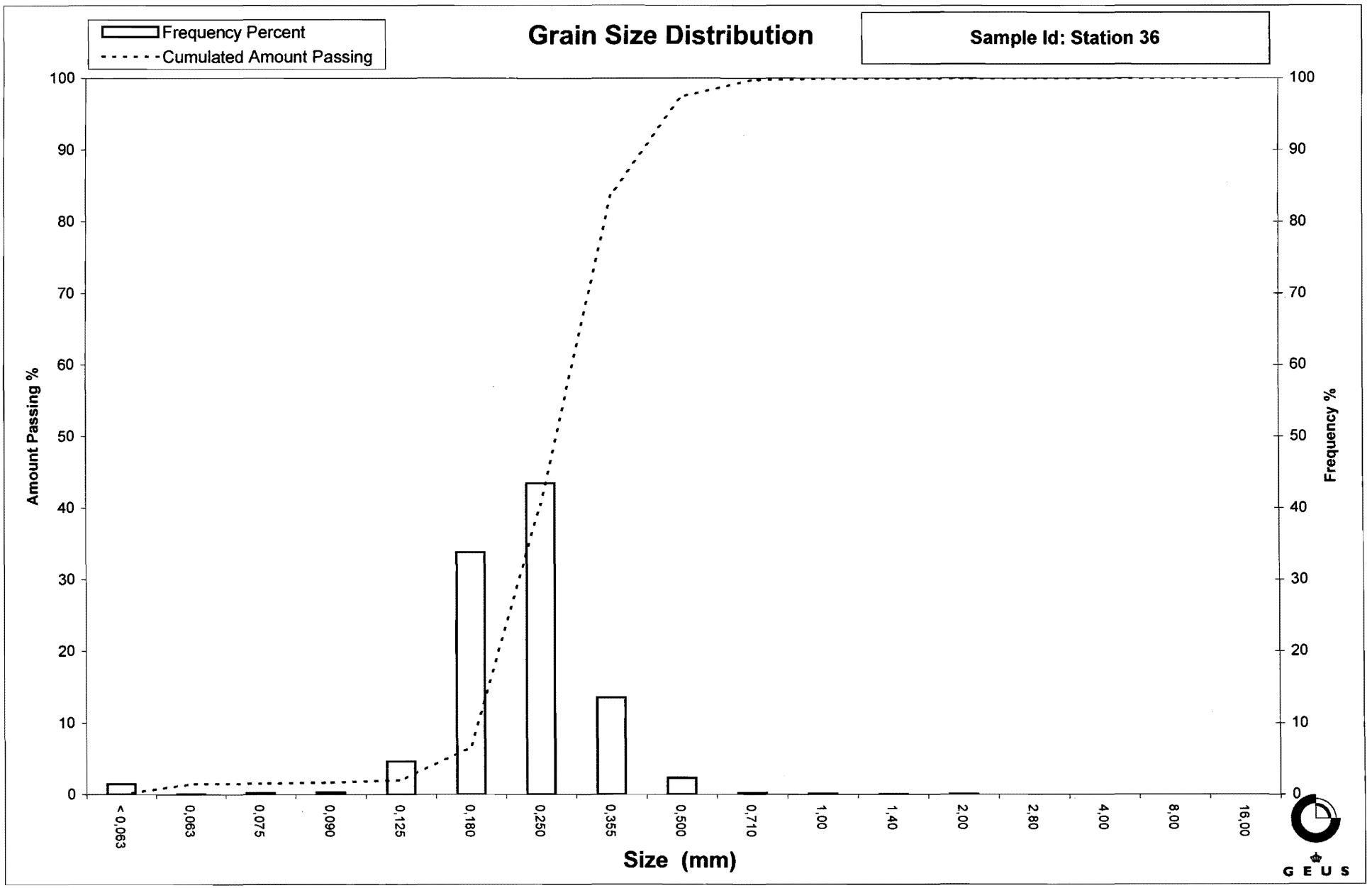
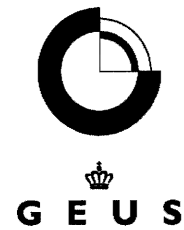

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 36
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 37
Lab. Id: 070009
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 117,38 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,00	0,00	100,00
Sand	1,40	-0,49	0,03	0,03	99,97
	1,00	0,00	0,13	0,11	99,86
	0,710	0,49	0,09	0,08	99,79
	0,500	1,00	0,66	0,56	99,22
	0,355	1,49	6,21	5,29	93,93
	0,250	2,00	38,11	32,47	61,47
	0,180	2,47	58,35	49,71	11,76
	0,125	3,00	10,87	9,26	2,50
	0,090	3,47	1,64	1,40	1,10
	0,075	3,74	0,15	0,13	0,97
	0,063	3,99	0,05	0,04	0,93
	< 0,063	> 3,99	1,09	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):	25,03
Sand, medium	(0,2 mm - 0,6 mm):	73,53
Sand, coarse	(0,6 mm - 2 mm):	0,51
Gravel	(> 2 mm):	0,00
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,38	1,38
16%	84%	0,32	1,63
25%	75%	0,29	1,77
40%	60%	0,25	2,01
Median 50%	50%	0,23	2,10
75%	25%	0,20	2,33
84%	16%	0,19	2,43
90%	10%	0,17	2,56
95%	5%	0,14	2,84

Moments Statistics

Mean	2,05
Sorting	0,42
Skewness	-0,08
Kurtosis	1,06
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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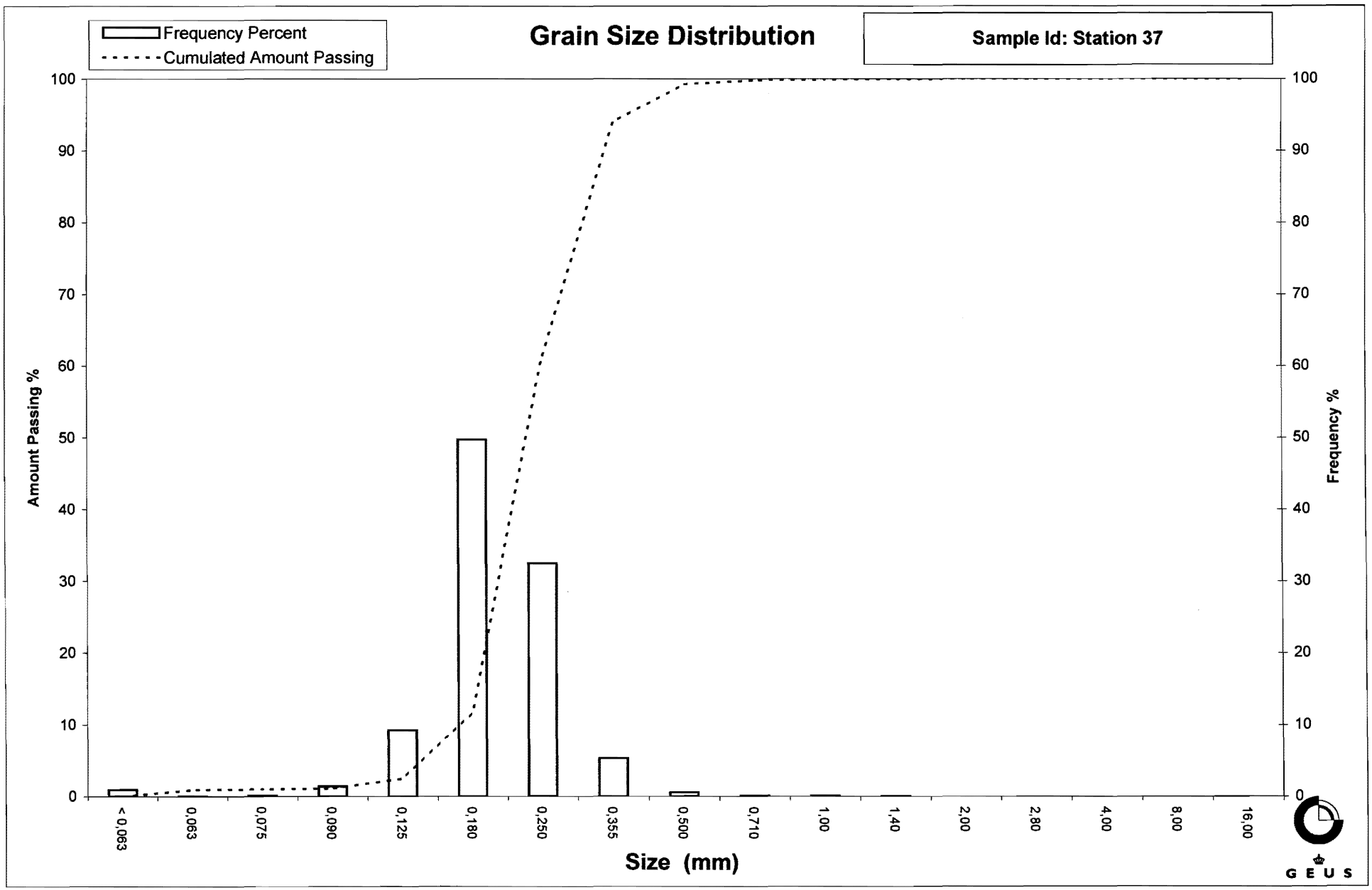
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 37
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 43
Lab. Id: 070010
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 105,49 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,03	0,03	99,97
Sand	1,40	-0,49	0,04	0,04	99,93
	1,00	0,00	0,08	0,08	99,86
	0,710	0,49	0,12	0,11	99,74
	0,500	1,00	0,55	0,52	99,22
	0,355	1,49	2,61	2,47	96,75
	0,250	2,00	11,12	10,54	86,21
	0,180	2,47	23,44	22,22	63,99
	0,125	3,00	41,57	39,41	24,58
	0,090	3,47	23,01	21,81	2,77
	0,075	3,74	1,42	1,35	1,42
	0,063	3,99	0,46	0,44	0,99
	< 0,063	> 3,99	1,04	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):	69,35
Sand, medium	(0,2 mm - 0,6 mm):	29,14
Sand, coarse	(0,6 mm - 2 mm):	0,50
Gravel	(> 2 mm):	0,03
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,34	1,57
16%	84%	0,24	2,04
25%	75%	0,21	2,22
40%	60%	0,17	2,52
Median 50%	50%	0,16	2,64
75%	25%	0,13	2,99
84%	16%	0,11	3,17
90%	10%	0,10	3,30
95%	5%	0,09	3,42

Moments Statistics

Mean	2,62
Sorting	0,56
Skewness	-0,11
Kurtosis	0,98
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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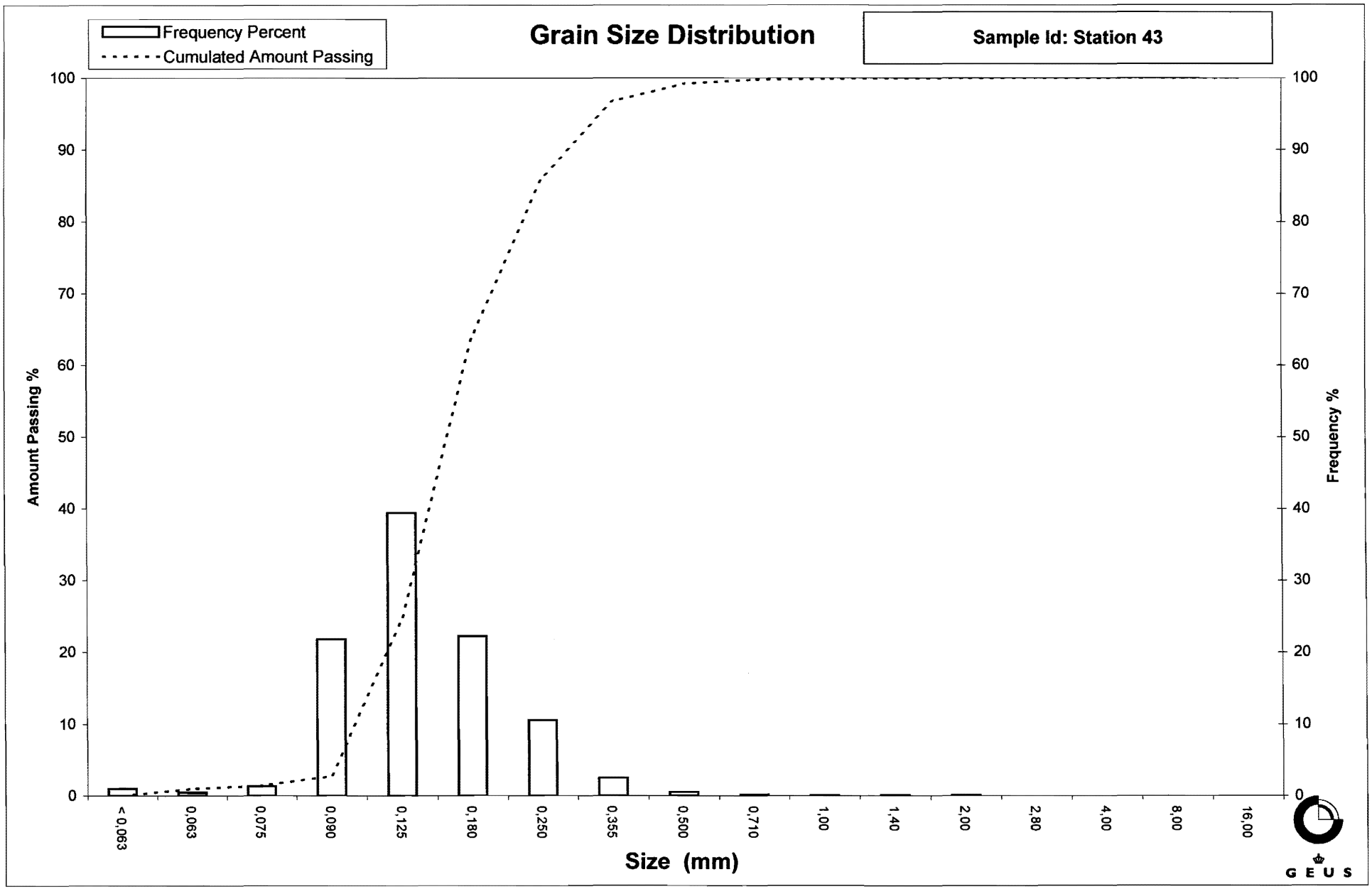
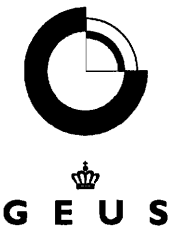

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 43
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 44
Lab. Id: 070011
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 113,9 g

Size Fractions

Sieve Analysis — Gravel / Sand

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	0,11	0,10	99,88
1,00	0,00	0,07	0,06	99,82
0,710	0,49	0,15	0,13	99,68
0,500	1,00	0,78	0,68	99,00
0,355	1,49	3,27	2,87	96,13
0,250	2,00	12,53	11,00	85,13
0,180	2,47	22,15	19,45	65,68
0,125	3,00	43,85	38,50	27,18
0,090	3,47	28,21	24,77	2,41
0,075	3,74	1,91	1,68	0,74
0,063	3,99	0,43	0,38	0,36
< 0,063	> 3,99	0,41	0,36	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,36
Sand, fine	(0,063 mm - 0,200 mm):	70,88
Sand, medium	(0,2 mm - 0,6 mm):	28,09
Sand, coarse	(0,6 mm - 2 mm):	0,65
Gravel	(> 2 mm):	0,03
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,34	1,54
16%	84%	0,25	2,02
25%	75%	0,21	2,23
40%	60%	0,17	2,54
Median 50%	50%	0,16	2,67
75%	25%	0,12	3,04
84%	16%	0,11	3,19
90%	10%	0,10	3,31
95%	5%	0,09	3,42

Moments Statistics

Mean	2,63
Sorting	0,58
Skewness	-0,15
Kurtosis	0,95
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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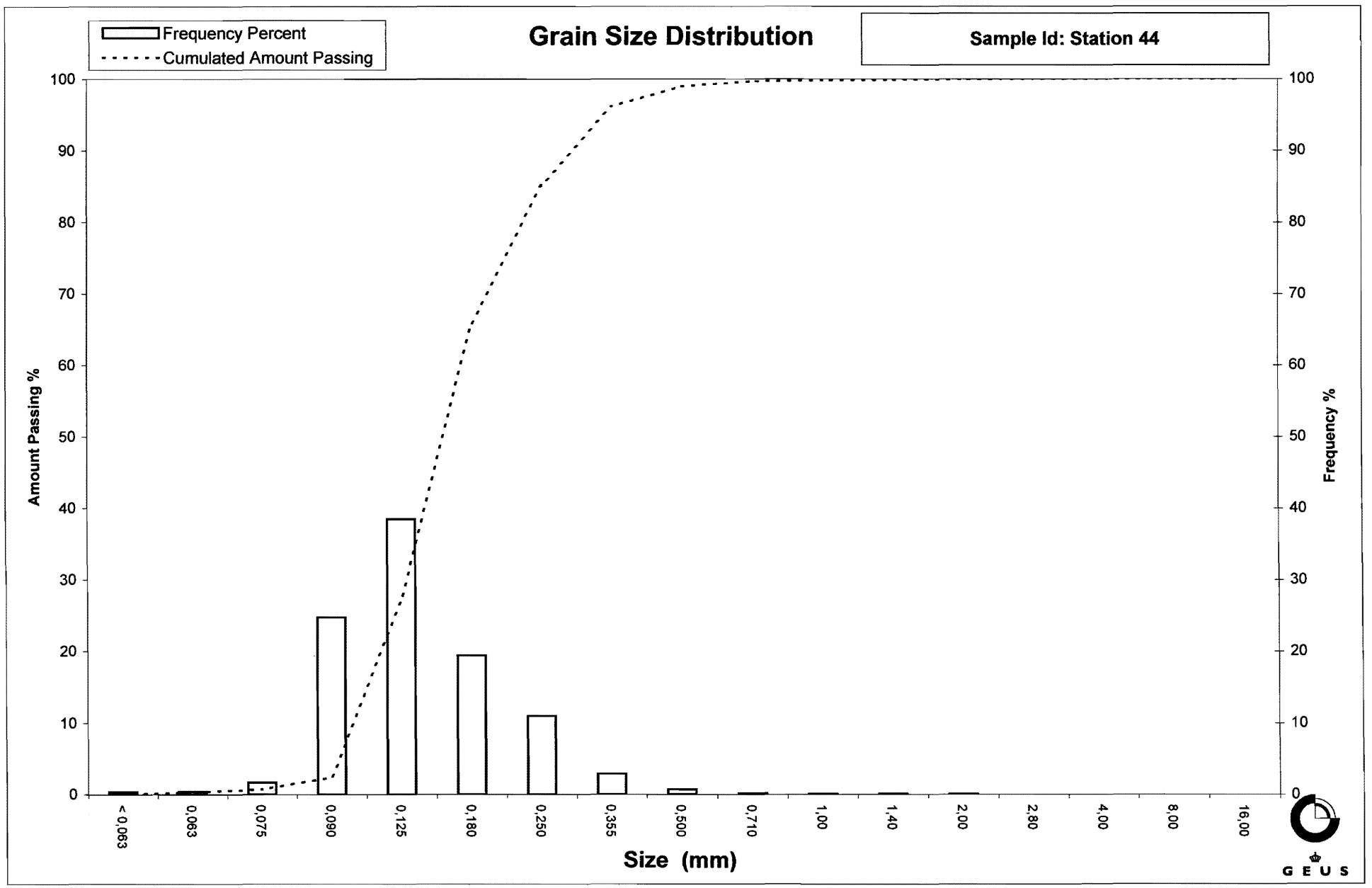
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 44
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 60
Lab. Id: 070012
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 108,96 g

Size Fractions

Sieve Analysis

	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	0,15	0,14	99,86
	2,80	-1,49	0,05	0,05	99,82
	2,00	-1,00	0,04	0,04	99,78
Sand	1,40	-0,49	0,02	0,02	99,76
	1,00	0,00	0,07	0,06	99,70
	0,710	0,49	0,04	0,04	99,66
	0,500	1,00	0,13	0,12	99,54
	0,355	1,49	0,88	0,81	98,73
	0,250	2,00	8,04	7,38	91,35
	0,180	2,47	44,50	40,84	50,51
	0,125	3,00	48,13	44,17	6,34
	0,090	3,47	5,05	4,63	1,71
	0,075	3,74	0,30	0,28	1,43
	0,063	3,99	0,13	0,12	1,31
	< 0,063	> 3,99	1,43	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):	60,87
Sand, medium	(0,2 mm - 0,6 mm):	37,42
Sand, coarse	(0,6 mm - 2 mm):	0,18
Gravel	(> 2 mm):	0,22
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,30	1,73
16%	84%	0,24	2,07
25%	75%	0,22	2,17
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%	0,11	3,12

Moments Statistics

Mean	2,47
Sorting	0,41
Skewness	-0,05
Kurtosis	0,98
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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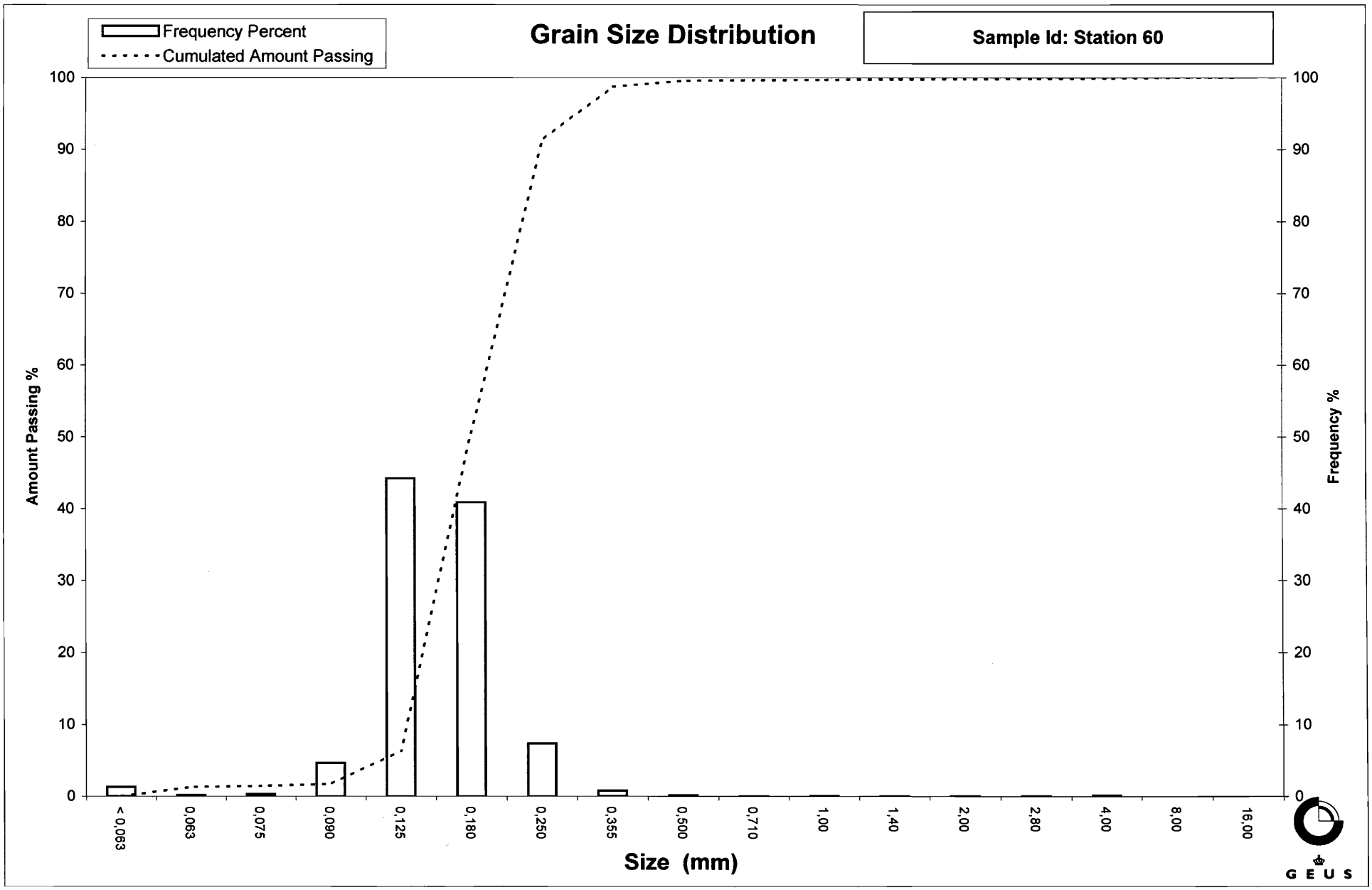
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 60
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 61
Lab. Id: 070013
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 112,87 g

Size Fractions

Sieve Analysis

	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	1,83	1,62	98,38
	2,80	-1,49	0,28	0,25	98,13
	2,00	-1,00	0,23	0,20	97,93
Sand	1,40	-0,49	0,06	0,05	97,87
	1,00	0,00	0,08	0,07	97,80
	0,710	0,49	0,09	0,08	97,72
	0,500	1,00	0,31	0,27	97,45
	0,355	1,49	1,33	1,18	96,27
	0,250	2,00	11,02	9,76	86,51
	0,180	2,47	44,60	39,51	46,99
	0,125	3,00	46,08	40,83	6,17
	0,090	3,47	5,06	4,48	1,68
	0,075	3,74	0,33	0,29	1,39
	0,063	3,99	0,11	0,10	1,29
	< 0,063	> 3,99	1,46	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):	56,99
Sand, medium	(0,2 mm - 0,6 mm):	39,30
Sand, coarse	(0,6 mm - 2 mm):	0,35
Gravel	(> 2 mm):	2,07
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,34	1,55
16%	84%	0,25	2,03
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	2,85
90%	10%	0,13	2,94
95%	5%	0,12	3,11

Moments Statistics

Mean	2,44
Sorting	0,44
Skewness	-0,06
Kurtosis	1,05
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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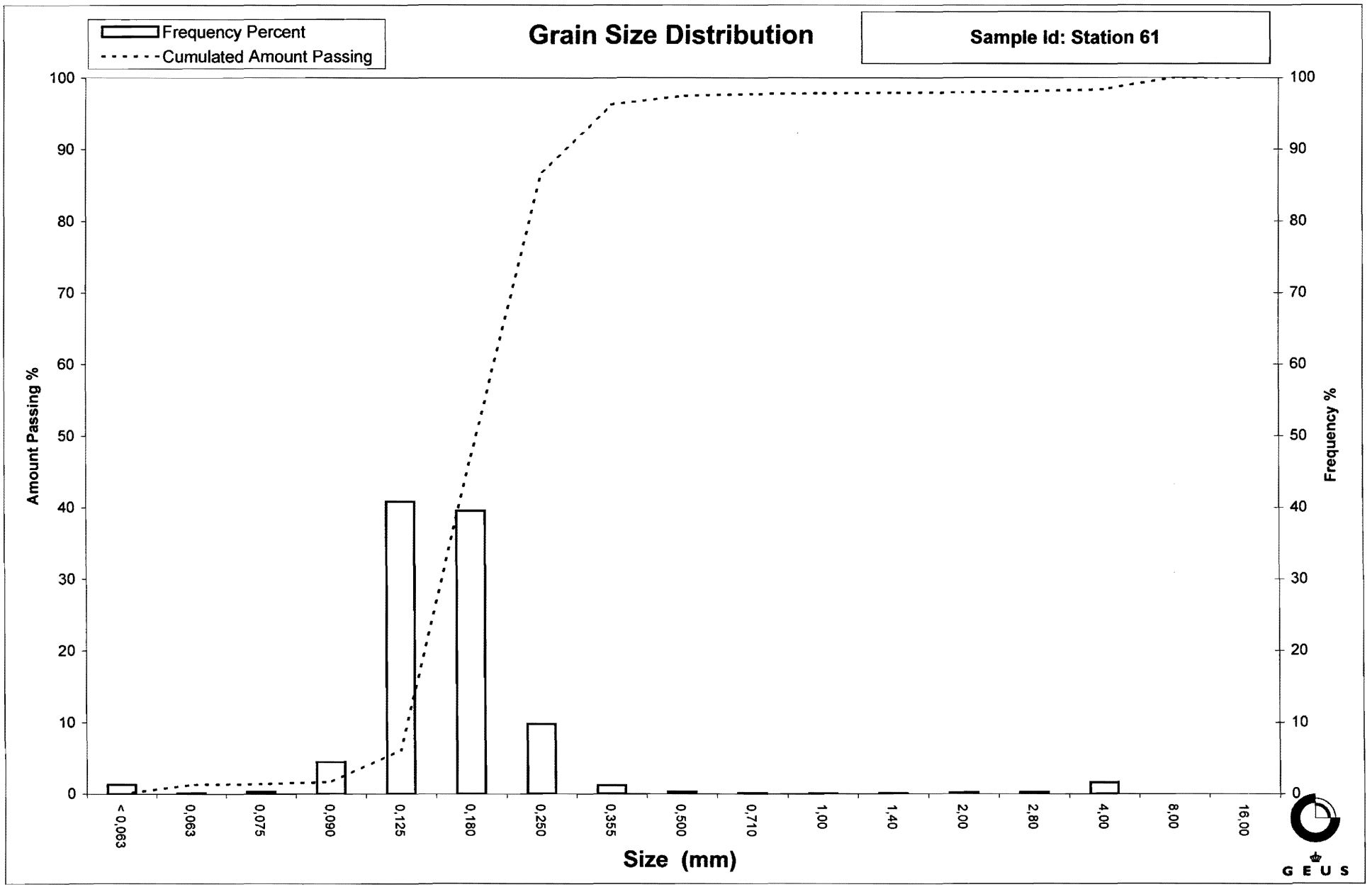
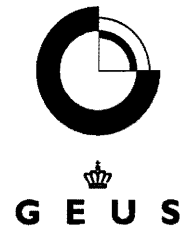

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 61
Amount Passing %
Frequency %
Size (mm)
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 67
Lab. Id: 070014
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 105,43 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,14	0,13	99,87
	2,00	-1,00	0,02	0,02	99,85
Sand	1,40	-0,49	0,04	0,04	99,81
	1,00	0,00	0,12	0,11	99,70
	0,710	0,49	0,33	0,31	99,38
	0,500	1,00	1,07	1,01	98,37
	0,355	1,49	2,66	2,52	95,85
	0,250	2,00	14,82	14,06	81,79
	0,180	2,47	38,71	36,72	45,07
	0,125	3,00	42,17	40,00	5,07
	0,090	3,47	3,99	3,78	1,29
	0,075	3,74	0,28	0,27	1,02
	0,063	3,99	0,07	0,07	0,96
	< 0,063	> 3,99	1,01	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):	43,29
Sand, coarse	(0,6 mm - 2 mm):	1,00
Gravel	(> 2 mm):	0,15
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,35	1,52
16%	84%	0,27	1,91
25%	75%	0,24	2,08
40%	60%	0,21	2,26
Median 50%	50%	0,19	2,40
75%	25%	0,15	2,71
84%	16%	0,14	2,84
90%	10%	0,13	2,92
95%	5%	0,12	3,01

Moments Statistics

Mean	2,38
Sorting	0,46
Skewness	-0,12
Kurtosis	0,96
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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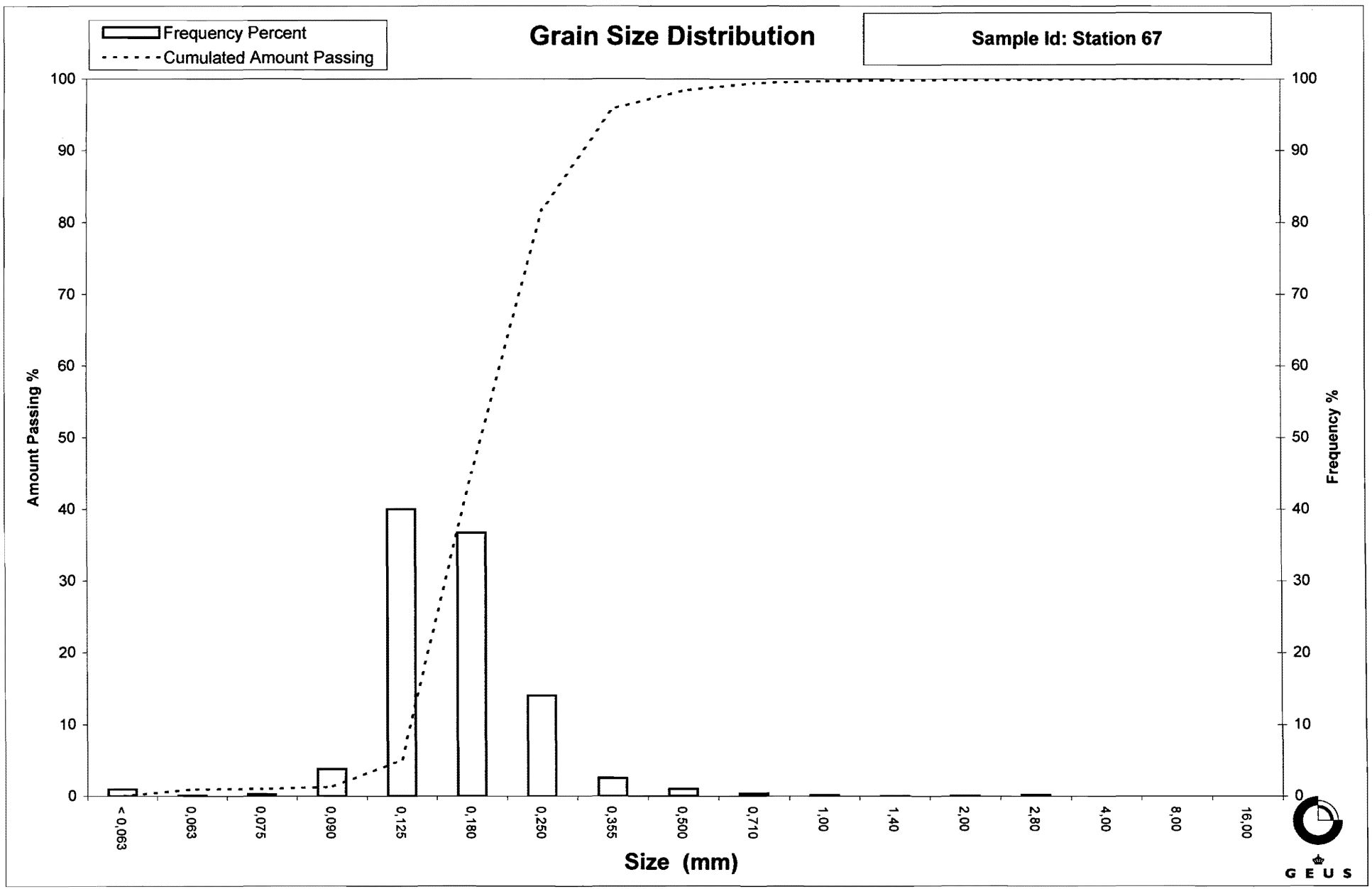
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 67
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 68
Lab. Id: 070015
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 113,54 g

Size Fractions

Sieve Analysis

	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	0,60	0,53	99,47
	2,80	-1,49	0,02	0,02	99,45
	2,00	-1,00	0,07	0,06	99,39
Sand	1,40	-0,49	0,09	0,08	99,31
	1,00	0,00	0,10	0,09	99,22
	0,710	0,49	0,36	0,32	98,91
	0,500	1,00	1,08	0,95	97,96
	0,355	1,49	2,68	2,36	95,60
	0,250	2,00	14,25	12,55	83,05
	0,180	2,47	42,32	37,27	45,77
	0,125	3,00	46,01	40,52	5,25
	0,090	3,47	4,19	3,69	1,56
	0,075	3,74	0,26	0,23	1,33
	0,063	3,99	0,11	0,10	1,23
	< 0,063	> 3,99	1,40	1,23	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	1,23
Sand, fine	(0,063 mm - 0,200 mm):	55,19
Sand, medium	(0,2 mm - 0,6 mm):	41,99
Sand, coarse	(0,6 mm - 2 mm):	0,98
Gravel	(> 2 mm):	0,61
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,35	1,51
16%	84%	0,26	1,95
25%	75%	0,23	2,09
40%	60%	0,21	2,27
Median 50%	50%	0,19	2,41
75%	25%	0,15	2,72
84%	16%	0,14	2,84
90%	10%	0,13	2,93
95%	5%	0,12	3,03

Moments Statistics

Mean	2,40
Sorting	0,45
Skewness	-0,11
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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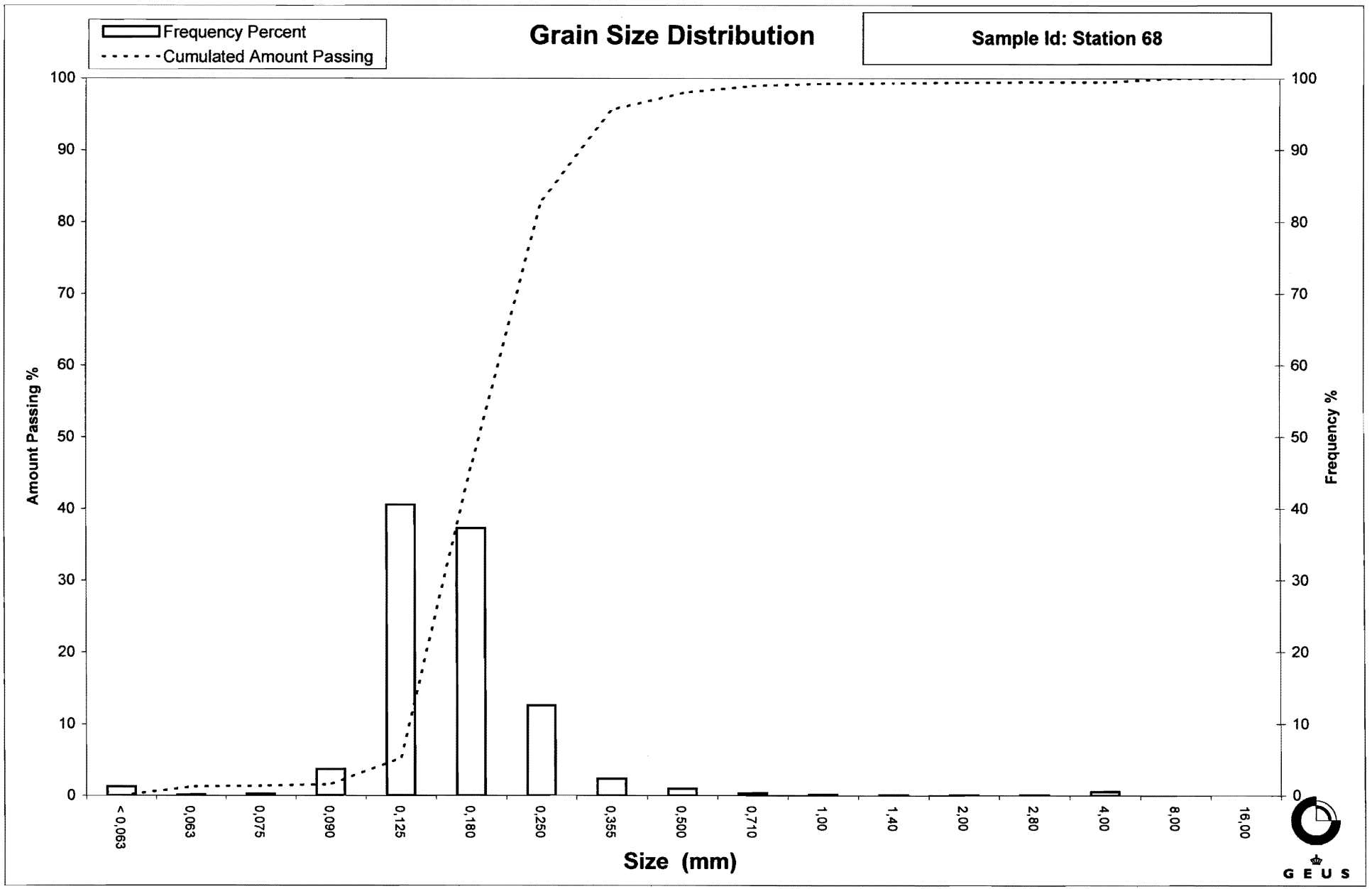
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 68
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 74
Lab. Id: 070016
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm

GEUS

Total Weight 202,59 g

Size Fractions

Sieve Analysis

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
Gravel	8,00	-3,00	0,00	0,00	100,00
Gravel	4,00	-2,00	7,45	3,68	96,32
Gravel	2,80	-1,49	4,91	2,42	93,90
Gravel	2,00	-1,00	3,51	1,73	92,17
Sand	1,40	-0,49	3,78	1,87	90,30
Sand	1,00	0,00	3,08	1,52	88,78
Sand	0,710	0,49	2,49	1,23	87,55
Sand	0,500	1,00	2,75	1,36	86,19
Sand	0,355	1,49	4,54	2,24	83,95
Sand	0,250	2,00	16,33	8,06	75,89
Sand	0,180	2,47	60,42	29,82	46,07
Sand	0,125	3,00	78,59	38,79	7,28
Sand	0,090	3,47	11,80	5,82	1,45
Sand	0,075	3,74	0,82	0,40	1,05
Sand	0,063	3,99	0,22	0,11	0,94
	< 0,063	> 3,99	1,90	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):	53,65
Sand, medium	(0,2 mm - 0,6 mm):	32,25
Sand, coarse	(0,6 mm - 2 mm):	5,33
Gravel	(> 2 mm):	7,83
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	3,35	-1,74
16%	84%	0,36	1,48
25%	75%	0,25	2,01
40%	60%	0,21	2,23
Median 50%	50%	0,19	2,40
75%	25%	0,15	2,74
84%	16%	0,14	2,86
90%	10%	0,13	2,96
95%	5%	0,11	3,17

Moments Statistics

Mean	2,25
Sorting	1,09
Skewness	-0,51
Kurtosis	2,78
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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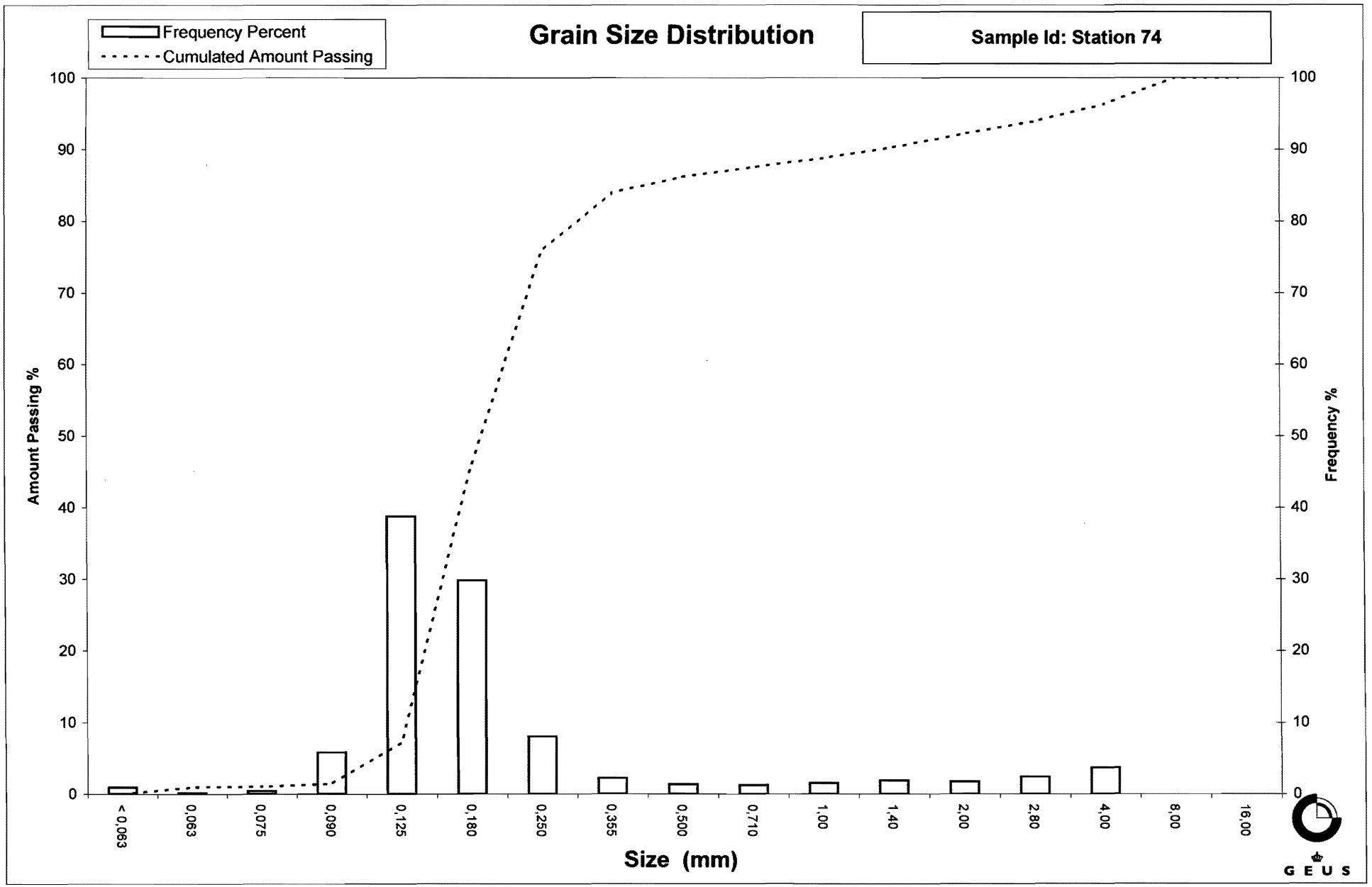
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 74
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 75
Lab. Id: 070017
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 117,93 g

Size Fractions

Sieve Analysis

	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	7,45	6,32	93,68
	4,00	-2,00	4,65	3,94	89,74
	2,80	-1,49	1,08	0,92	88,82
	2,00	-1,00	0,98	0,83	87,99
Sand	1,40	-0,49	0,96	0,81	87,18
	1,00	0,00	0,98	0,83	86,35
	0,710	0,49	1,08	0,92	85,43
	0,500	1,00	1,39	1,18	84,25
	0,355	1,49	2,87	2,43	81,82
	0,250	2,00	11,43	9,69	72,13
	0,180	2,47	38,15	32,35	39,78
	0,125	3,00	40,09	33,99	5,78
	0,090	3,47	5,11	4,33	1,45
	0,075	3,74	0,49	0,42	1,03
	0,063	3,99	0,16	0,14	0,90
	< 0,063	> 3,99	1,06	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):	48,12
Sand, medium	(0,2 mm - 0,6 mm):	35,79
Sand, coarse	(0,6 mm - 2 mm):	3,18
Gravel	(> 2 mm):	12,01
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	9,67	-3,27
16%	84%	0,48	1,04
25%	75%	0,28	1,83
40%	60%	0,22	2,16
Median 50%	50%	0,20	2,31
75%	25%	0,16	2,68
84%	16%	0,14	2,82
90%	10%	0,13	2,92
95%	5%	0,12	3,07

Moments Statistics

Mean	2,06
Sorting	1,41
Skewness	-0,59
Kurtosis	3,07
Uniformity Coefficient	1,70

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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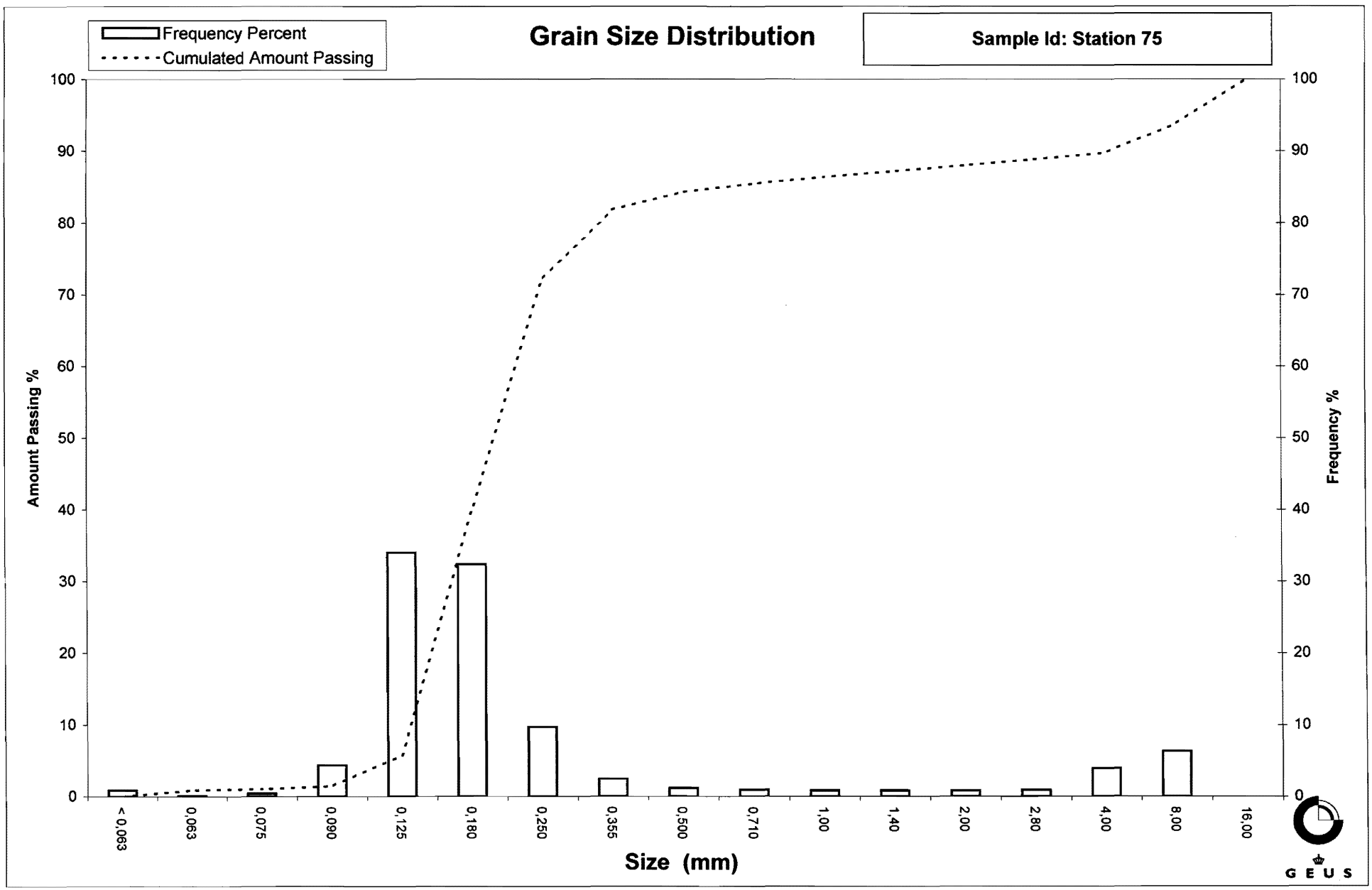
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 75
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 81
Lab. Id: 070018
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 109 g

Size Fractions

Sieve Analysis

	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	0,74	0,68	99,32
	2,80	-1,49	0,20	0,18	99,14
	2,00	-1,00	0,14	0,13	99,01
Sand	1,40	-0,49	0,18	0,17	98,84
	1,00	0,00	0,26	0,24	98,61
	0,710	0,49	0,22	0,20	98,40
	0,500	1,00	0,31	0,28	98,12
	0,355	1,49	0,93	0,85	97,27
	0,250	2,00	6,11	5,61	91,66
	0,180	2,47	34,71	31,84	59,82
	0,125	3,00	54,76	50,24	9,58
	0,090	3,47	8,79	8,06	1,51
	0,075	3,74	0,45	0,41	1,10
	0,063	3,99	0,15	0,14	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):	67,95
Sand, medium	(0,2 mm - 0,6 mm):	29,34
Sand, coarse	(0,6 mm - 2 mm):	0,75
Gravel	(> 2 mm):	0,99
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,31	1,68
16%	84%	0,23	2,10
25%	75%	0,21	2,23
40%	60%	0,18	2,47
Median 50%	50%	0,17	2,56
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	0,44
Skewness	-0,13
Kurtosis	1,09
Uniformity Coefficient	1,44

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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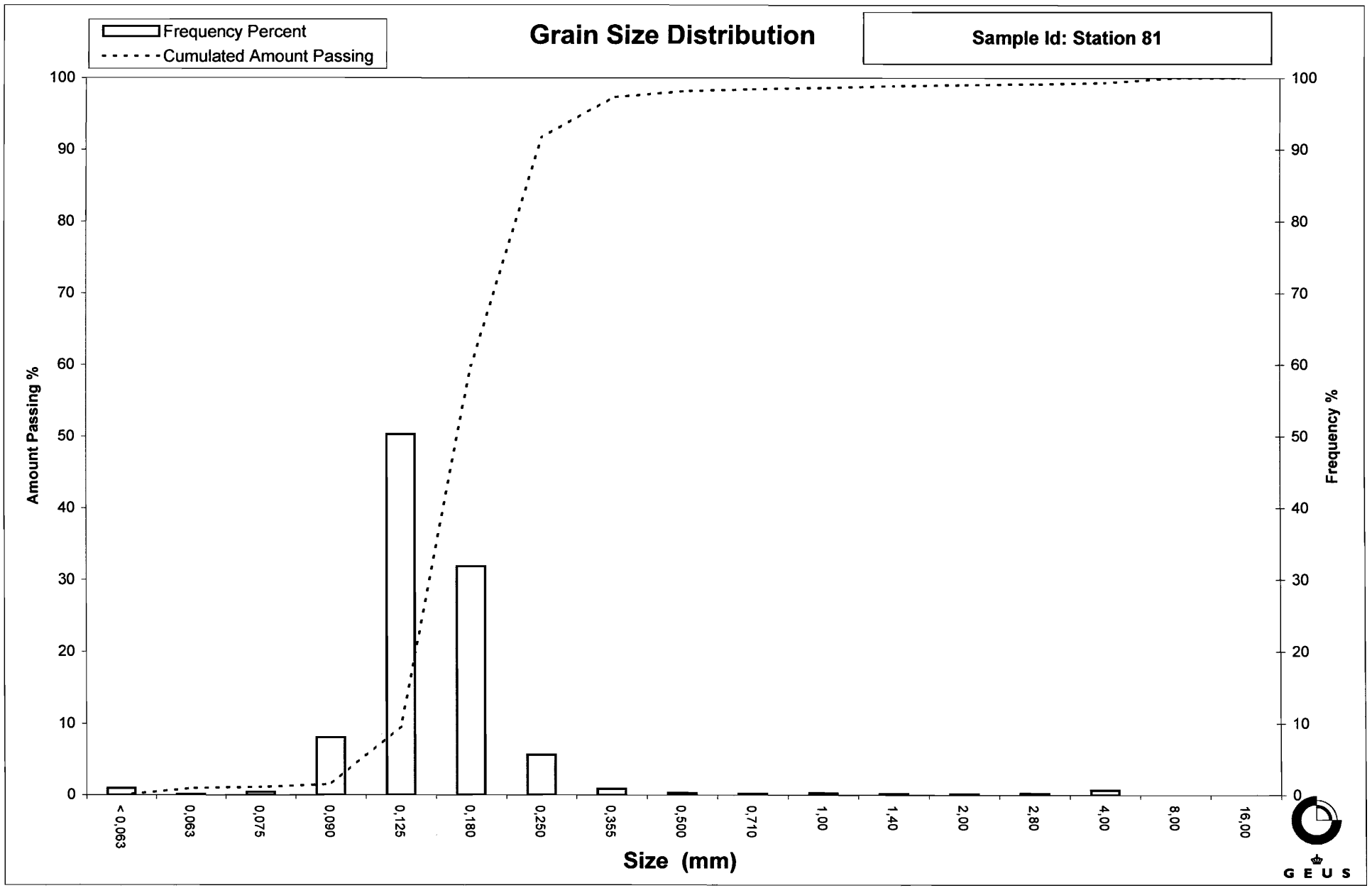
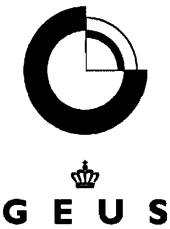

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 81
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 82
Lab. Id: 070019
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 110,14 g

Size Fractions

Sieve Analysis

	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	0,13	0,12	99,88
	2,80	-1,49	0,07	0,06	99,82
Sand	2,00	-1,00	0,05	0,05	99,77
	1,40	-0,49	0,05	0,05	99,73
	1,00	0,00	0,04	0,04	99,69
	0,710	0,49	0,07	0,06	99,63
	0,500	1,00	0,08	0,07	99,56
	0,355	1,49	0,46	0,42	99,14
	0,250	2,00	4,92	4,47	94,67
	0,180	2,47	35,33	32,08	62,59
	0,125	3,00	57,83	52,51	10,09
	0,090	3,47	9,12	8,28	1,81
	0,075	3,74	0,53	0,48	1,33
	0,063	3,99	0,15	0,14	1,19
	< 0,063	> 3,99	1,31	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):	70,57
Sand, medium	(0,2 mm - 0,6 mm):	27,83
Sand, coarse	(0,6 mm - 2 mm):	0,18
Gravel	(> 2 mm):	0,23
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,26	1,96
16%	84%	0,23	2,14
25%	75%	0,21	2,27
40%	60%	0,18	2,50
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	0,40
Skewness	-0,04
Kurtosis	0,97
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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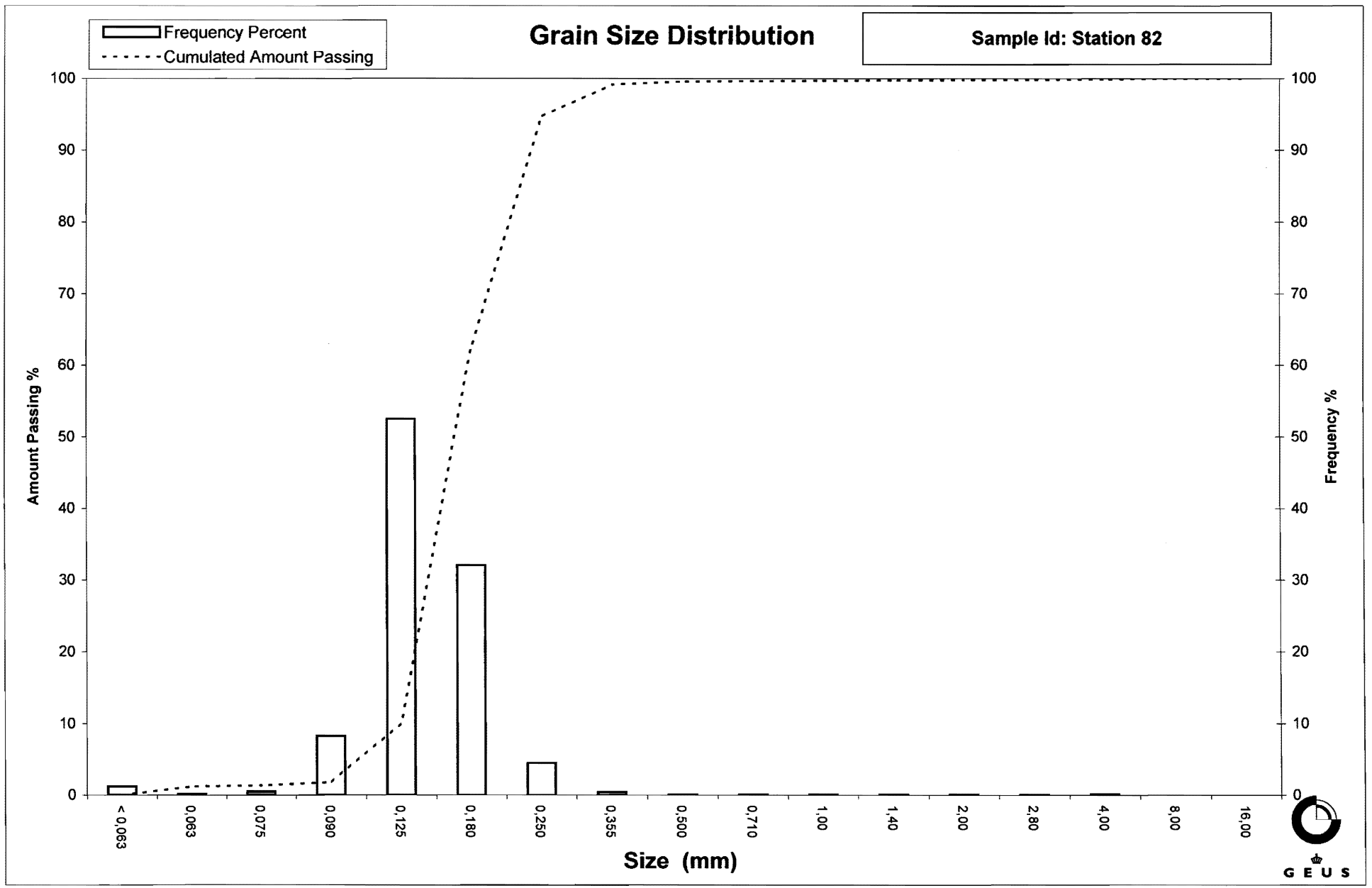
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 82
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 90
Lab. Id: 070020
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 107,52 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,09	0,08	99,92
Sand	1,40	-0,49	0,08	0,07	99,84
	1,00	0,00	0,05	0,05	99,80
	0,710	0,49	0,07	0,07	99,73
	0,500	1,00	0,23	0,21	99,52
	0,355	1,49	0,83	0,77	98,74
	0,250	2,00	6,34	5,90	92,85
	0,180	2,47	50,32	46,80	46,05
	0,125	3,00	45,31	42,14	3,91
	0,090	3,47	2,70	2,51	1,40
	0,075	3,74	0,32	0,30	1,10
	0,063	3,99	0,13	0,12	0,98
	< 0,063	> 3,99	1,05	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):	58,44
Sand, medium	(0,2 mm - 0,6 mm):	40,20
Sand, coarse	(0,6 mm - 2 mm):	0,30
Gravel	(> 2 mm):	0,08
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,29	1,79
16%	84%	0,24	2,08
25%	75%	0,22	2,16
40%	60%	0,20	2,32
Median 50%	50%	0,19	2,43
75%	25%	0,15	2,71
84%	16%	0,14	2,83
90%	10%	0,13	2,91
95%	5%	0,13	2,98

Moments Statistics

Mean	2,44
Sorting	0,37
Skewness	0,00
Kurtosis	0,89
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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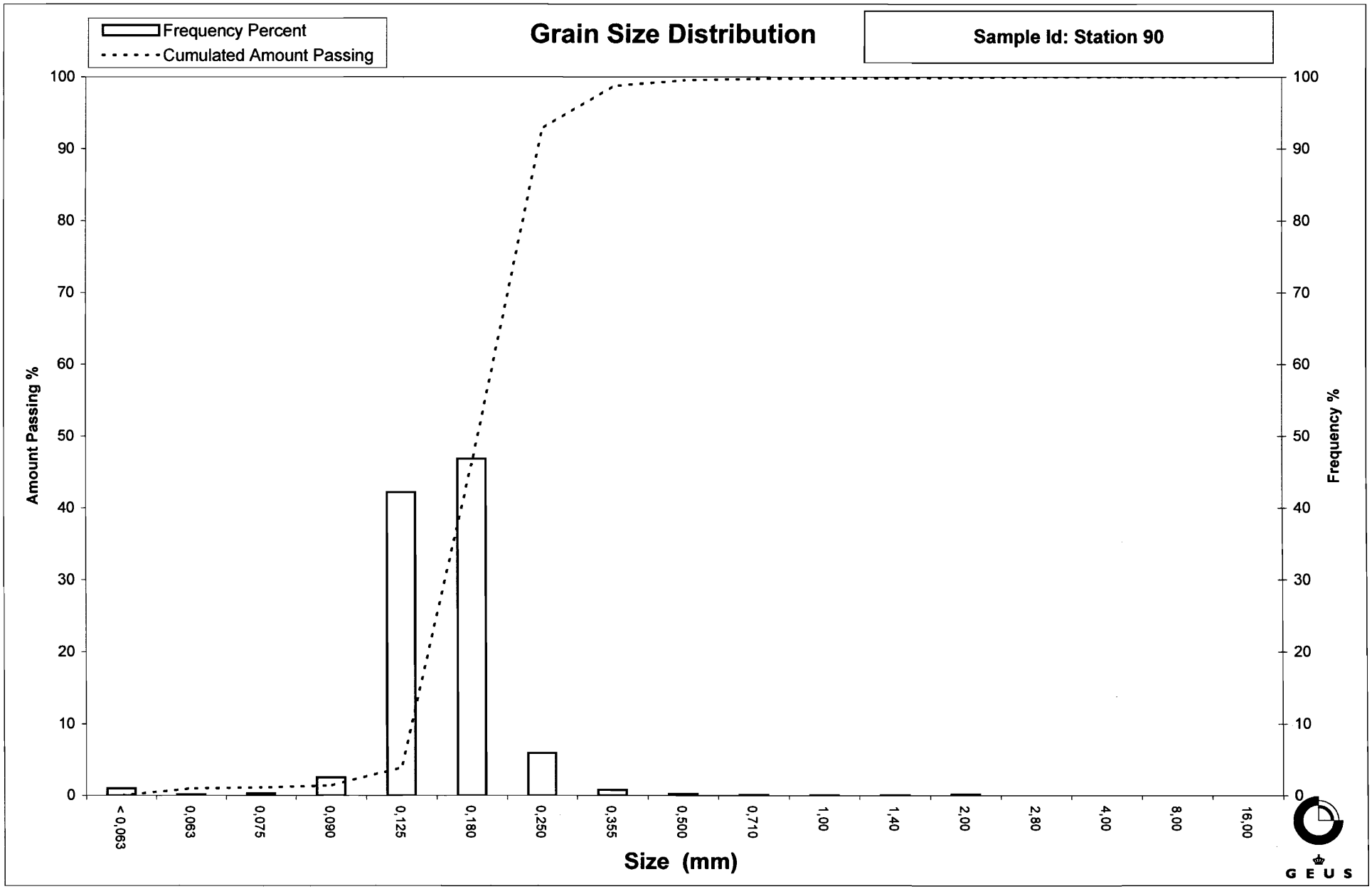
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 90
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 91
Lab. Id: 070021
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 102,66 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,10	0,10	99,90
Sand	1,40	-0,49	0,13	0,13	99,78
	1,00	0,00	0,11	0,11	99,67
	0,710	0,49	0,11	0,11	99,56
	0,500	1,00	0,30	0,29	99,27
	0,355	1,49	1,01	0,98	98,29
	0,250	2,00	6,71	6,54	91,75
	0,180	2,47	48,61	47,35	44,40
	0,125	3,00	41,49	40,41	3,98
	0,090	3,47	2,82	2,75	1,24
	0,075	3,74	0,29	0,28	0,95
	0,063	3,99	0,11	0,11	0,85
	< 0,063	> 3,99	0,87	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):	57,08
Sand, medium	(0,2 mm - 0,6 mm):	41,48
Sand, coarse	(0,6 mm - 2 mm):	0,49
Gravel	(> 2 mm):	0,10
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,30	1,73
16%	84%	0,24	2,07
25%	75%	0,23	2,15
40%	60%	0,20	2,30
Median 50%	50%	0,19	2,41
75%	25%	0,15	2,70
84%	16%	0,14	2,82
90%	10%	0,13	2,91
95%	5%	0,13	2,98

Moments Statistics

Mean	2,43
Sorting	0,38
Skewness	0,01
Kurtosis	0,93
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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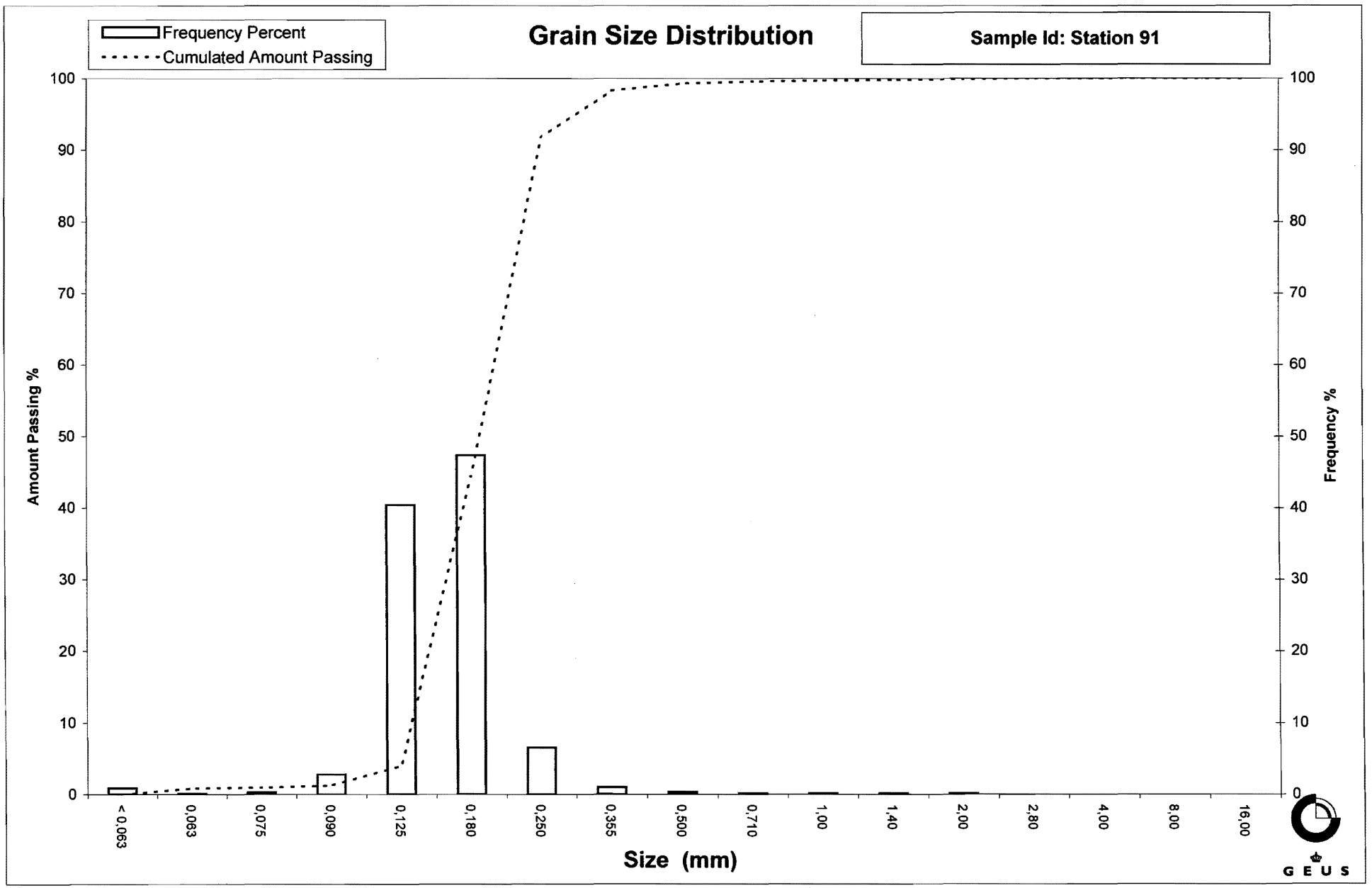
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 91
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 92
Lab. Id: 070022
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 104,26 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,13	0,12	99,88
	2,00	-1,00	0,04	0,04	99,84
Sand	1,40	-0,49	0,03	0,03	99,81
	1,00	0,00	0,02	0,02	99,79
	0,710	0,49	0,06	0,06	99,73
	0,500	1,00	0,17	0,16	99,57
	0,355	1,49	0,62	0,59	98,97
	0,250	2,00	5,38	5,16	93,81
	0,180	2,47	49,56	47,54	46,28
	0,125	3,00	44,60	42,78	3,50
	0,090	3,47	2,48	2,38	1,12
	0,075	3,74	0,28	0,27	0,85
	0,063	3,99	0,08	0,08	0,78
	< 0,063	> 3,99	0,81	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):	59,08
Sand, medium	(0,2 mm - 0,6 mm):	39,79
Sand, coarse	(0,6 mm - 2 mm):	0,19
Gravel	(> 2 mm):	0,16
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,27	1,87
16%	84%	0,24	2,09
25%	75%	0,22	2,17
40%	60%	0,20	2,32
Median 50%	50%	0,19	2,43
75%	25%	0,15	2,71
84%	16%	0,14	2,83
90%	10%	0,13	2,91
95%	5%	0,13	2,98

Moments Statistics

Mean	2,45
Sorting	0,35
Skewness	0,03
Kurtosis	0,84
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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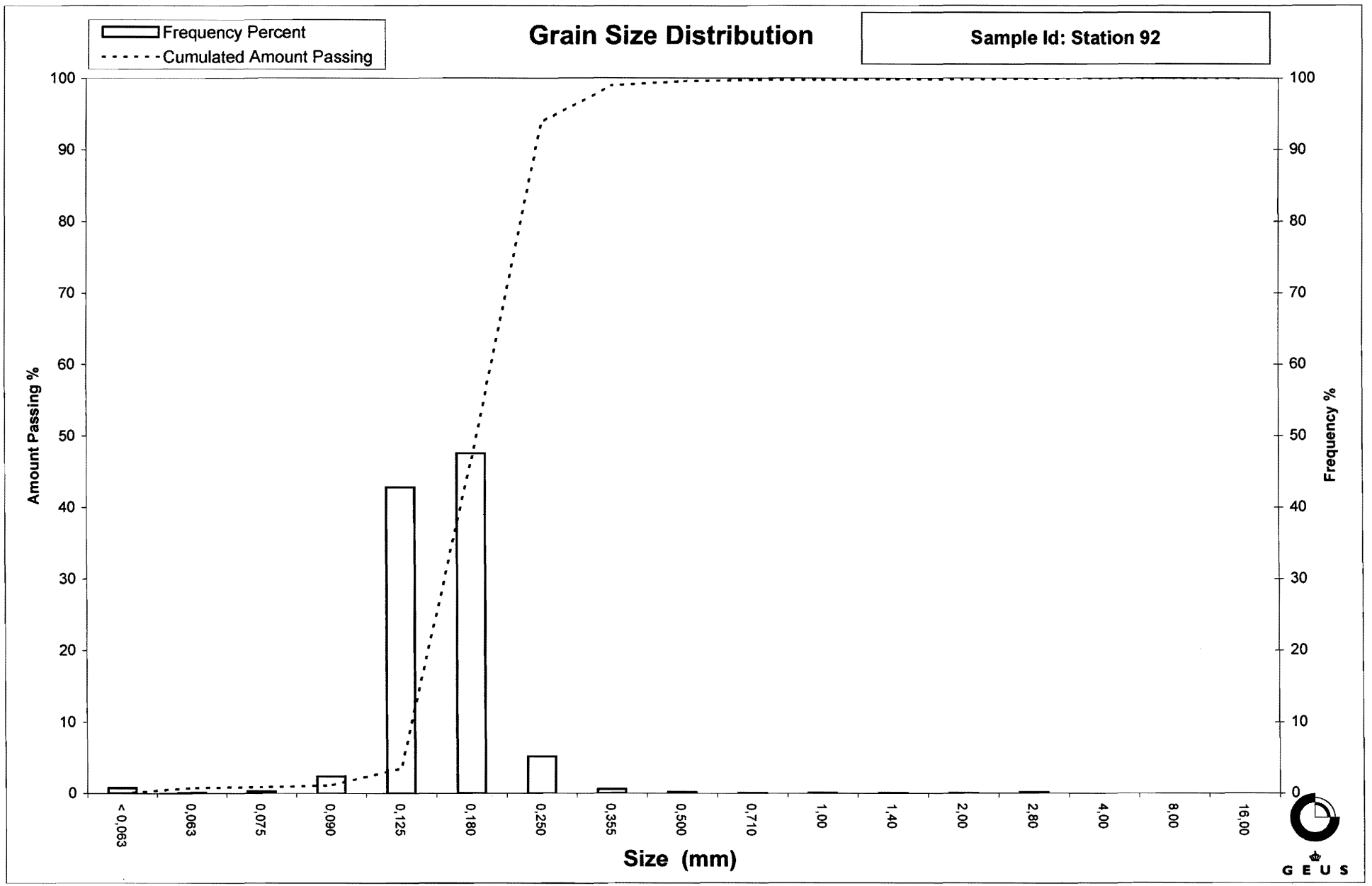
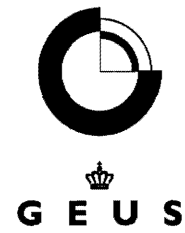

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 92
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 93
Lab. Id: 070023
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 107,45 g

Size Fractions

Sieve Analysis — Gravel / Sand

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	0,07	0,07	99,92
1,40	-0,49	0,04	0,04	99,88
1,00	0,00	0,05	0,05	99,83
0,710	0,49	0,08	0,07	99,76
0,500	1,00	0,14	0,13	99,63
0,355	1,49	0,72	0,67	98,96
0,250	2,00	5,24	4,88	94,08
0,180	2,47	53,19	49,50	44,58
0,125	3,00	44,09	41,03	3,55
0,090	3,47	2,24	2,08	1,46
0,075	3,74	0,58	0,54	0,92
0,063	3,99	0,11	0,10	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):	57,90
Sand, medium	(0,2 mm - 0,6 mm):	40,97
Sand, coarse	(0,6 mm - 2 mm):	0,23
Gravel	(> 2 mm):	0,08
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,27	1,89
16%	84%	0,24	2,08
25%	75%	0,22	2,16
40%	60%	0,20	2,31
Median 50%	50%	0,19	2,41
75%	25%	0,15	2,70
84%	16%	0,14	2,82
90%	10%	0,13	2,90
95%	5%	0,13	2,98

Moments Statistics

Mean	2,44
Sorting	0,35
Skewness	0,07
Kurtosis	0,83
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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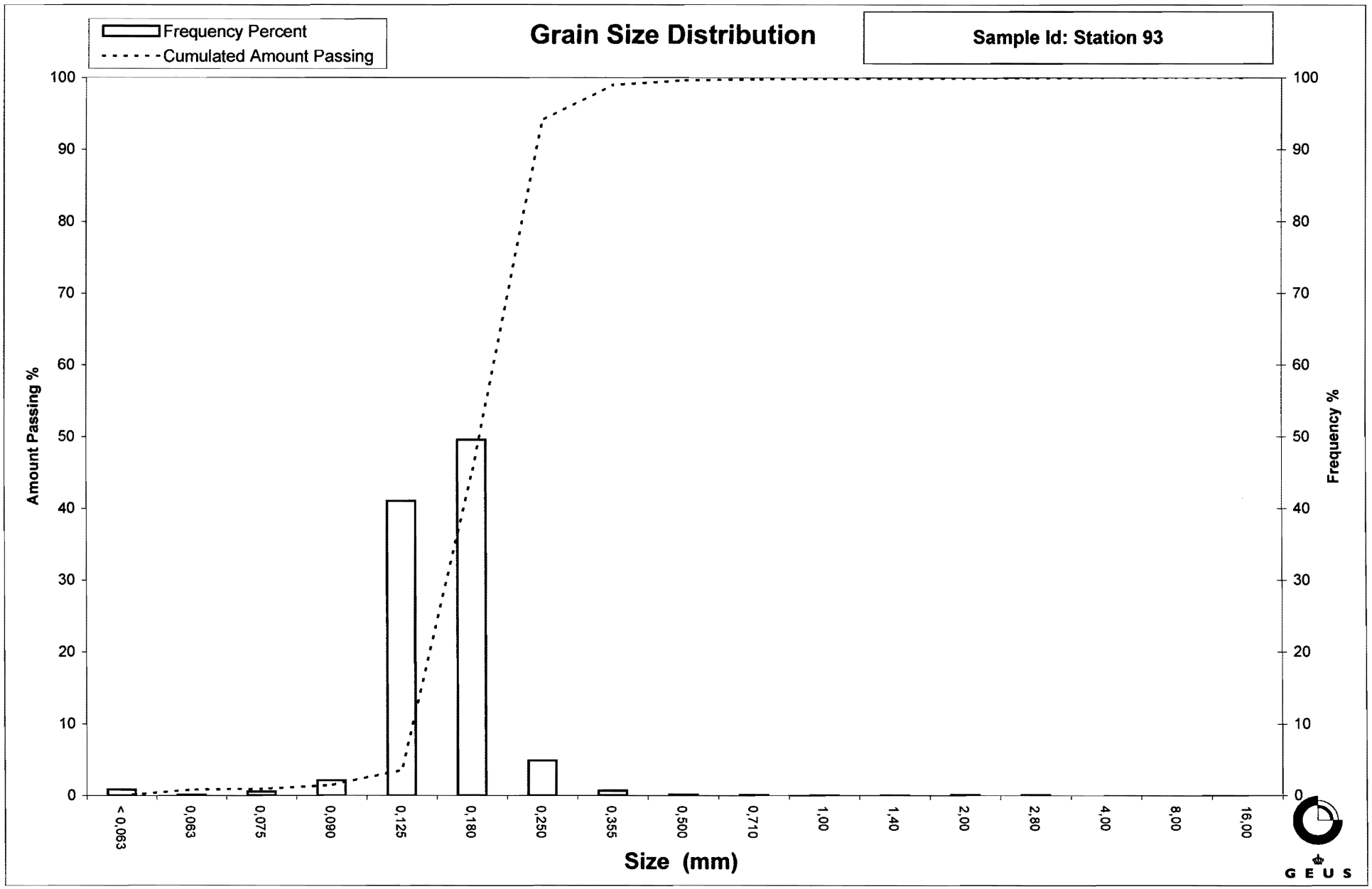
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 93
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 94
Lab. Id: 070024
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 108,69 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,00	0,00	100,00
Sand	1,40	-0,49	0,06	0,06	99,94
	1,00	0,00	0,07	0,06	99,88
	0,710	0,49	0,08	0,07	99,81
	0,500	1,00	0,19	0,17	99,63
	0,355	1,49	0,82	0,75	98,88
	0,250	2,00	6,73	6,19	92,69
	0,180	2,47	56,30	51,80	40,89
	0,125	3,00	41,18	37,89	3,00
	0,090	3,47	2,44	2,24	0,75
	0,075	3,74	0,29	0,27	0,49
	0,063	3,99	0,08	0,07	0,41
	< 0,063	> 3,99	0,45	0,41	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,41
Sand, fine	(0,063 mm - 0,200 mm):	55,27
Sand, medium	(0,2 mm - 0,6 mm):	44,03
Sand, coarse	(0,6 mm - 2 mm):	0,28
Gravel	(> 2 mm):	0,00
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,29	1,79
16%	84%	0,24	2,07
25%	75%	0,23	2,14
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%	0,14	2,89
95%	5%	0,13	2,97

Moments Statistics

Mean	2,41
Sorting	0,36
Skewness	0,08
Kurtosis	0,92
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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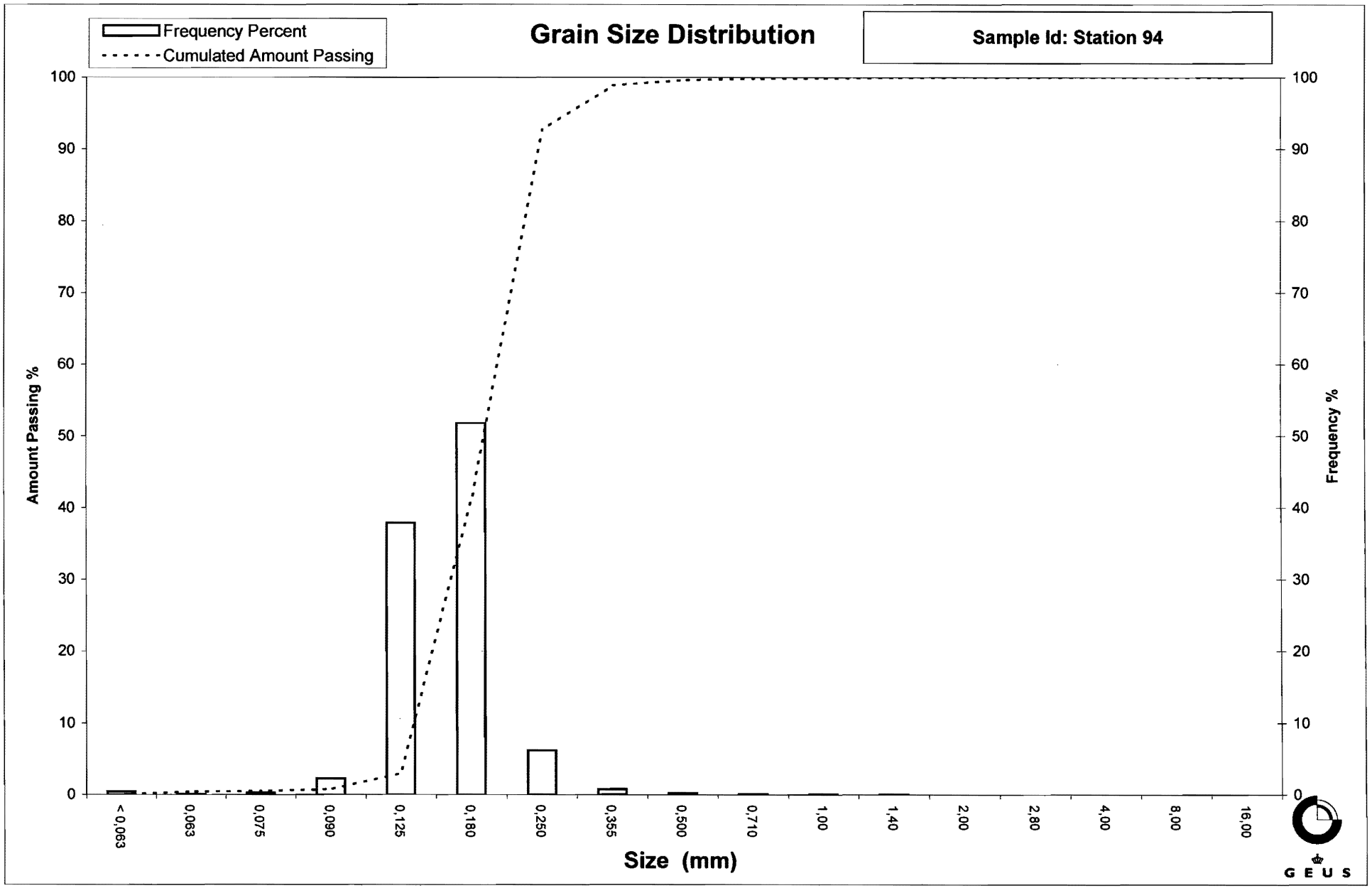
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 94
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 95
Lab. Id: 070025
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 116,08 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,02	0,02	99,98
Sand	1,40	-0,49	0,04	0,03	99,95
	1,00	0,00	0,04	0,03	99,91
	0,710	0,49	0,07	0,06	99,85
	0,500	1,00	0,22	0,19	99,66
	0,355	1,49	0,99	0,85	98,81
	0,250	2,00	6,81	5,87	92,94
	0,180	2,47	62,34	53,70	39,24
	0,125	3,00	41,79	36,00	3,24
	0,090	3,47	2,25	1,94	1,30
	0,075	3,74	0,31	0,27	1,03
	0,063	3,99	0,09	0,08	0,96
	< 0,063	> 3,99	1,11	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):	53,63
Sand, medium	(0,2 mm - 0,6 mm):	45,17
Sand, coarse	(0,6 mm - 2 mm):	0,23
Gravel	(> 2 mm):	0,02
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,29	1,80
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%	0,14	2,79
90%	10%	0,14	2,89
95%	5%	0,13	2,97

Moments Statistics

Mean	2,41
Sorting	0,36
Skewness	0,11
Kurtosis	0,92
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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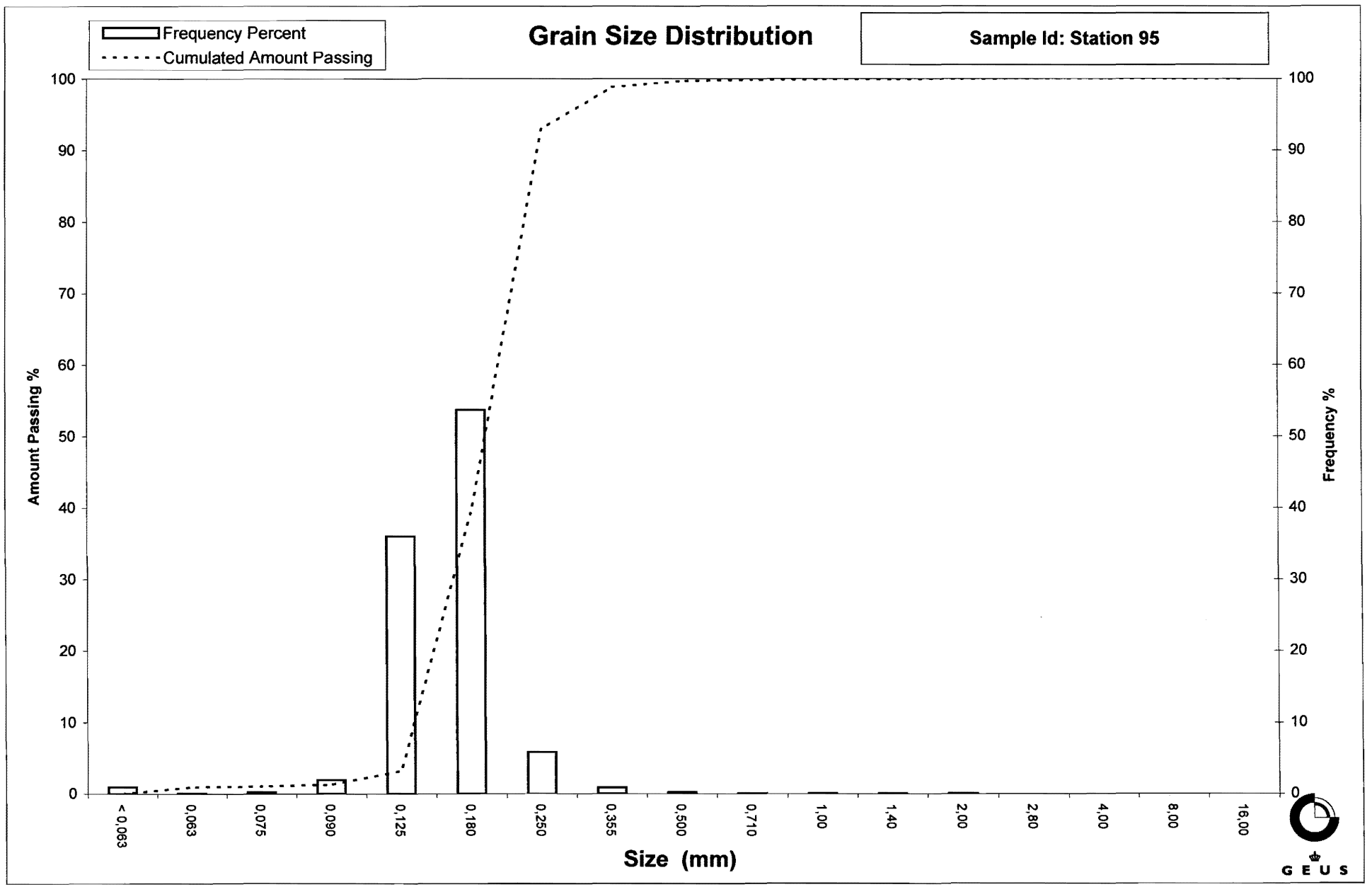
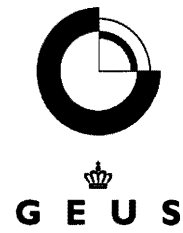

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 95
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 96
Lab. Id: 070026
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 104,27 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,02	0,02	99,98
Sand	1,40	-0,49	0,04	0,04	99,94
	1,00	0,00	0,06	0,06	99,88
	0,710	0,49	0,07	0,07	99,82
	0,500	1,00	0,17	0,16	99,65
	0,355	1,49	0,63	0,60	99,05
	0,250	2,00	5,21	5,00	94,05
	0,180	2,47	48,79	46,79	47,26
	0,125	3,00	45,33	43,47	3,79
	0,090	3,47	2,74	2,63	1,16
	0,075	3,74	0,21	0,20	0,96
	0,063	3,99	0,06	0,06	0,90
	< 0,063	> 3,99	0,94	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):	59,73
Sand, medium	(0,2 mm - 0,6 mm):	39,10
Sand, coarse	(0,6 mm - 2 mm):	0,25
Gravel	(> 2 mm):	0,02
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,27	1,89
16%	84%	0,23	2,09
25%	75%	0,22	2,17
40%	60%	0,20	2,33
Median 50%	50%	0,18	2,44
75%	25%	0,15	2,72
84%	16%	0,14	2,83
90%	10%	0,13	2,91
95%	5%	0,13	2,98

Moments Statistics

Mean	2,45
Sorting	0,35
Skewness	0,02
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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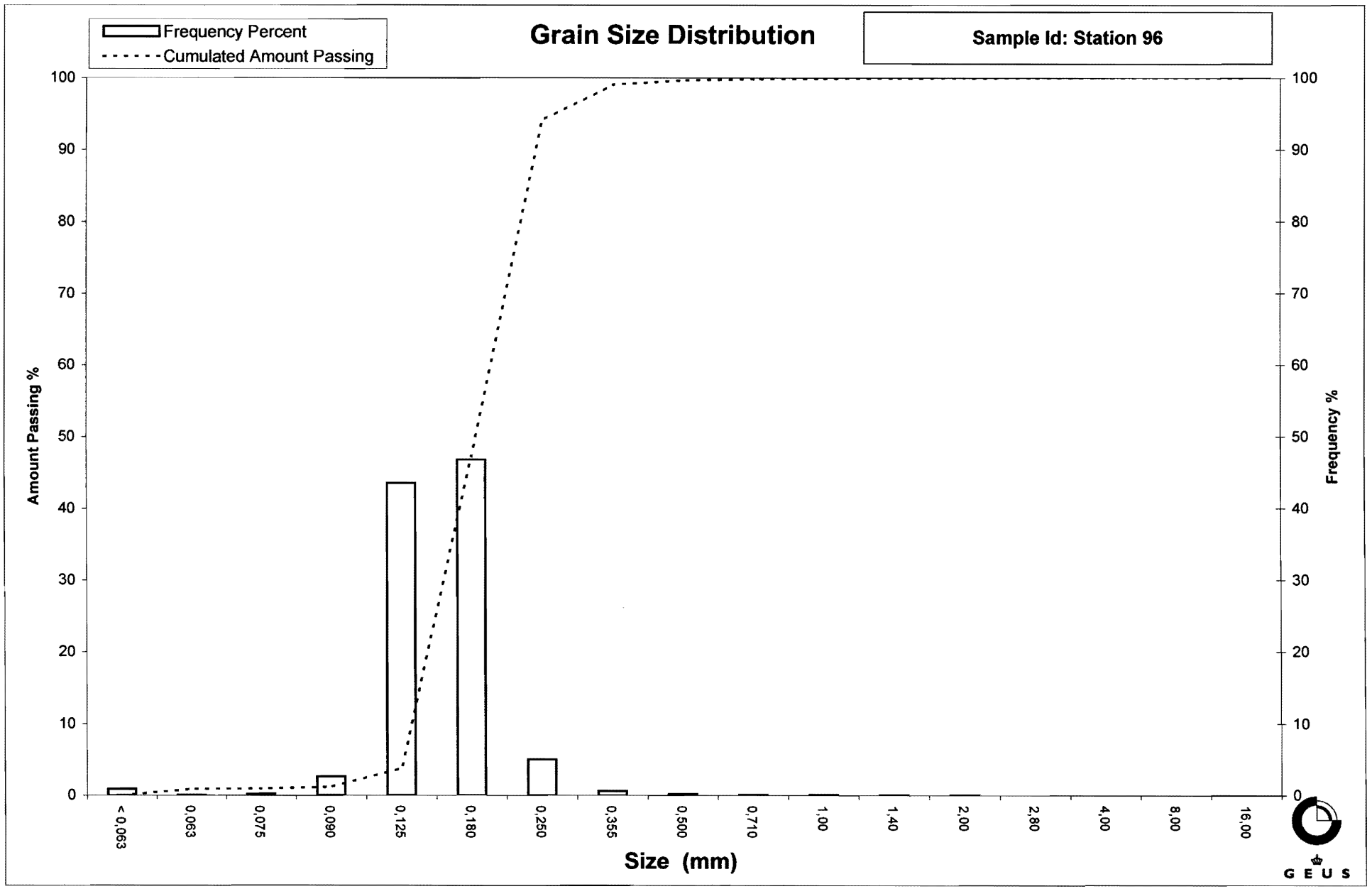
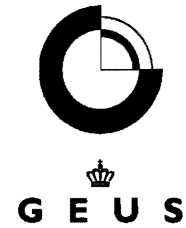

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 96
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 97
Lab. Id: 070027
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 102,34 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,00	0,00	100,00
Sand	1,40	-0,49	0,00	0,00	100,00
	1,00	0,00	0,05	0,05	99,95
	0,710	0,49	0,06	0,06	99,89
	0,500	1,00	0,25	0,24	99,65
	0,355	1,49	0,81	0,79	98,86
	0,250	2,00	6,21	6,07	92,79
	0,180	2,47	49,91	48,77	44,02
	0,125	3,00	41,91	40,95	3,07
	0,090	3,47	2,21	2,16	0,91
	0,075	3,74	0,31	0,30	0,61
	0,063	3,99	0,06	0,06	0,55
	< 0,063	> 3,99	0,56	0,55	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,55
Sand, fine	(0,063 mm - 0,200 mm):	57,41
Sand, medium	(0,2 mm - 0,6 mm):	41,81
Sand, coarse	(0,6 mm - 2 mm):	0,24
Gravel	(> 2 mm):	0,00
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,29	1,79
16%	84%	0,24	2,07
25%	75%	0,22	2,16
40%	60%	0,20	2,30
Median 50%	50%	0,19	2,41
75%	25%	0,15	2,69
84%	16%	0,14	2,81
90%	10%	0,13	2,90
95%	5%	0,13	2,97

Moments Statistics

Mean	2,43
Sorting	0,36
Skewness	0,03
Kurtosis	0,89
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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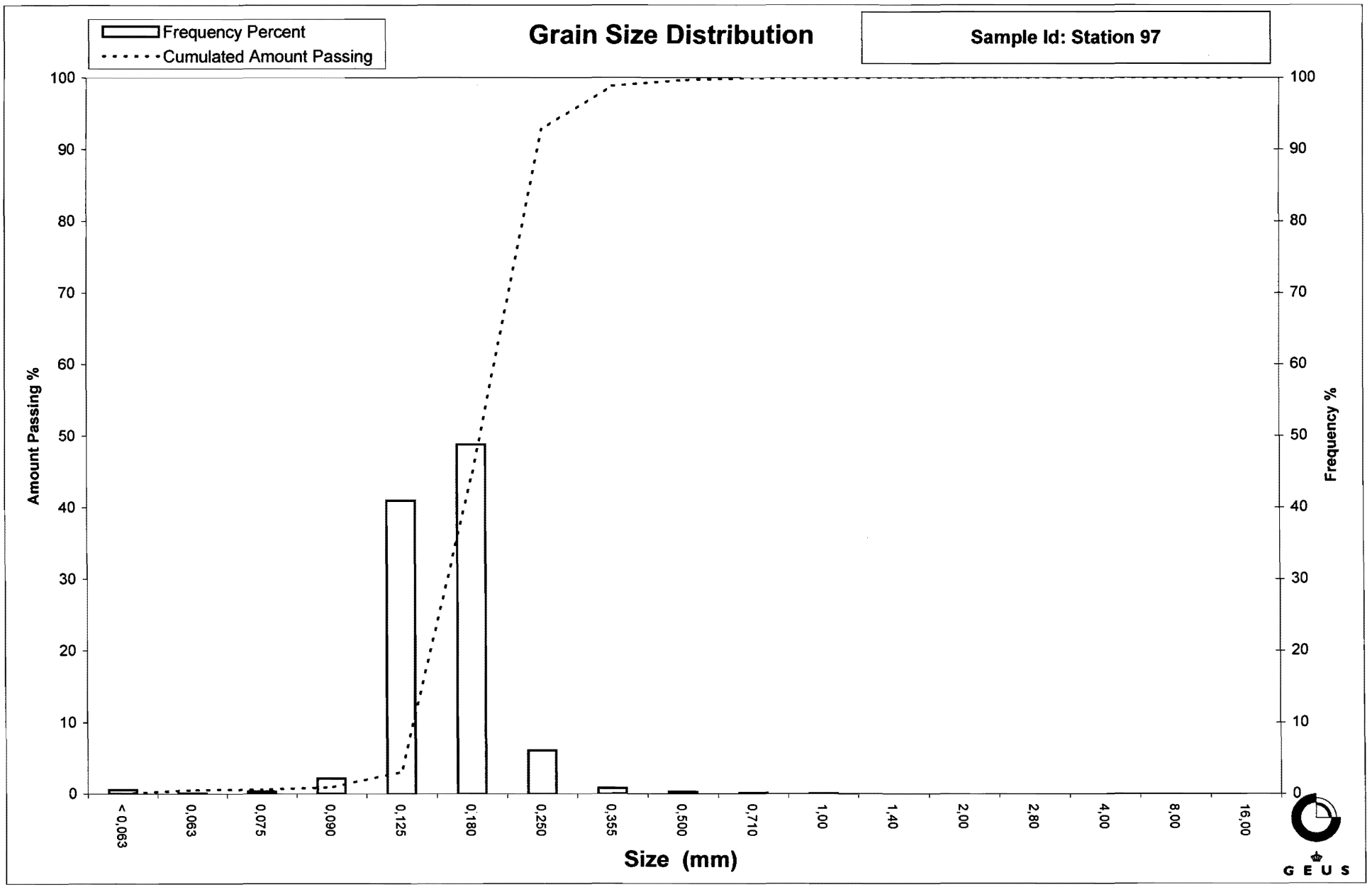
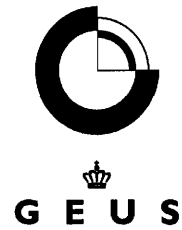

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 97
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 98
Lab. Id: 070028
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 104,82 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
Sand	2,00	-1,00	0,04	0,04	99,96
	1,40	-0,49	0,06	0,06	99,90
	1,00	0,00	0,07	0,07	99,84
	0,710	0,49	0,10	0,10	99,74
	0,500	1,00	0,16	0,15	99,59
	0,355	1,49	0,71	0,68	98,91
	0,250	2,00	4,68	4,46	94,45
	0,180	2,47	47,92	45,72	48,73
	0,125	3,00	46,30	44,17	4,56
	0,090	3,47	3,33	3,18	1,38
	0,075	3,74	0,33	0,31	1,07
	0,063	3,99	0,09	0,09	0,98
	< 0,063	> 3,99	1,03	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):	60,81
Sand, medium	(0,2 mm - 0,6 mm):	37,87
Sand, coarse	(0,6 mm - 2 mm):	0,30
Gravel	(> 2 mm):	0,04
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,26	1,93
16%	84%	0,23	2,10
25%	75%	0,22	2,18
40%	60%	0,20	2,34
Median 50%	50%	0,18	2,46
75%	25%	0,15	2,73
84%	16%	0,14	2,84
90%	10%	0,13	2,92
95%	5%	0,13	2,99

Moments Statistics

Mean	2,47
Sorting	0,35
Skewness	0,02
Kurtosis	0,80
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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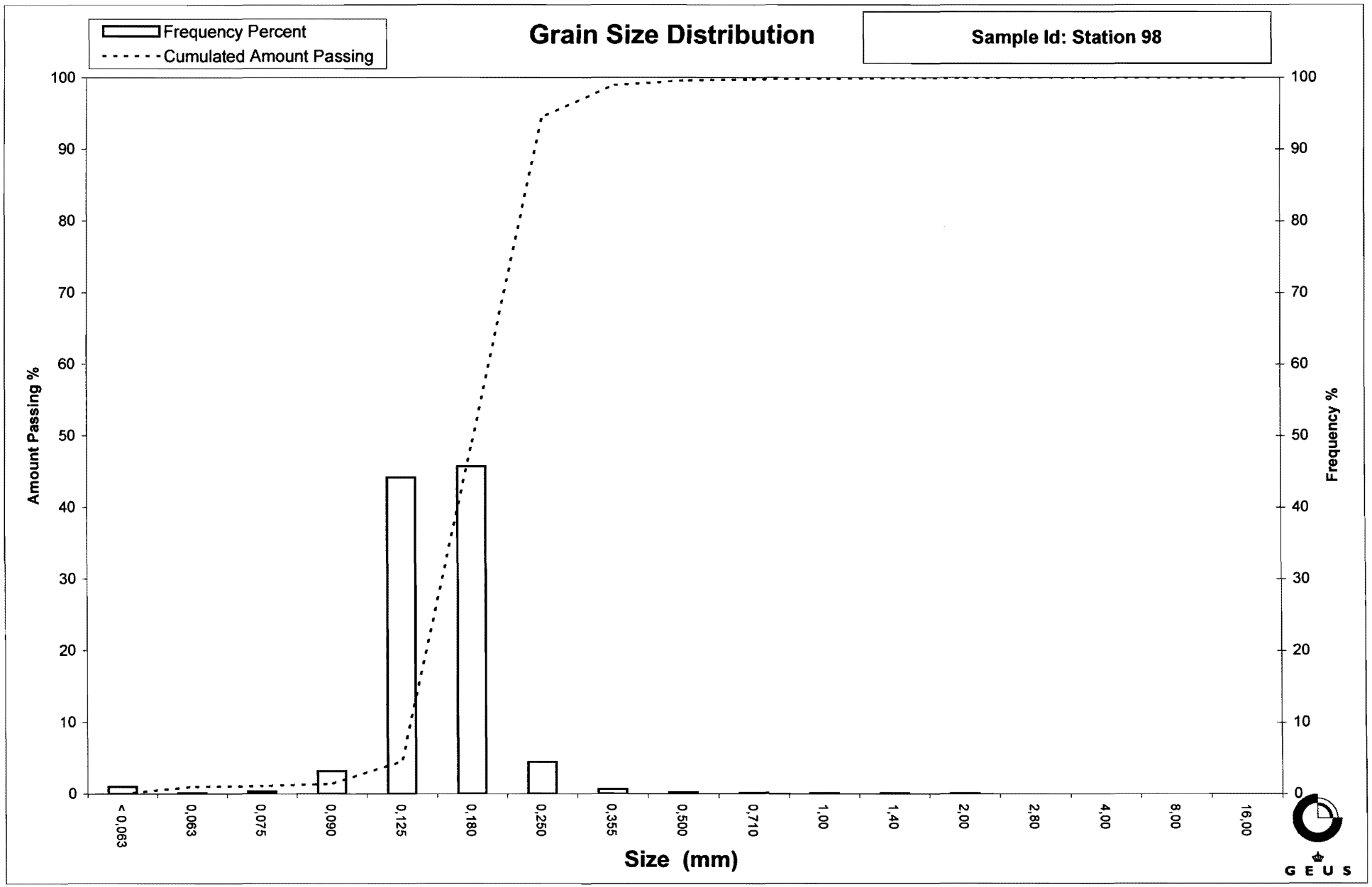
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 98
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 99
Lab. Id: 070029
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 112,92 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
Sand	2,00	-1,00	0,02	0,02	99,98
	1,40	-0,49	0,07	0,06	99,92
	1,00	0,00	0,04	0,04	99,88
	0,710	0,49	0,07	0,06	99,82
	0,500	1,00	0,22	0,19	99,63
	0,355	1,49	0,74	0,66	98,97
	0,250	2,00	5,57	4,93	94,04
	0,180	2,47	57,46	50,89	43,15
	0,125	3,00	44,82	39,69	3,46
	0,090	3,47	2,82	2,50	0,97
	0,075	3,74	0,24	0,21	0,75
	0,063	3,99	0,07	0,06	0,69
	< 0,063	> 3,99	0,78	0,69	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,69
Sand, fine	(0,063 mm - 0,200 mm):	57,00
Sand, medium	(0,2 mm - 0,6 mm):	42,03
Sand, coarse	(0,6 mm - 2 mm):	0,26
Gravel	(> 2 mm):	0,02
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,27	1,89
16%	84%	0,24	2,08
25%	75%	0,22	2,16
40%	60%	0,20	2,30
Median 50%	50%	0,19	2,40
75%	25%	0,15	2,69
84%	16%	0,14	2,81
90%	10%	0,13	2,90
95%	5%	0,13	2,98

Moments Statistics

Mean	2,43
Sorting	0,35
Skewness	0,09
Kurtosis	0,84
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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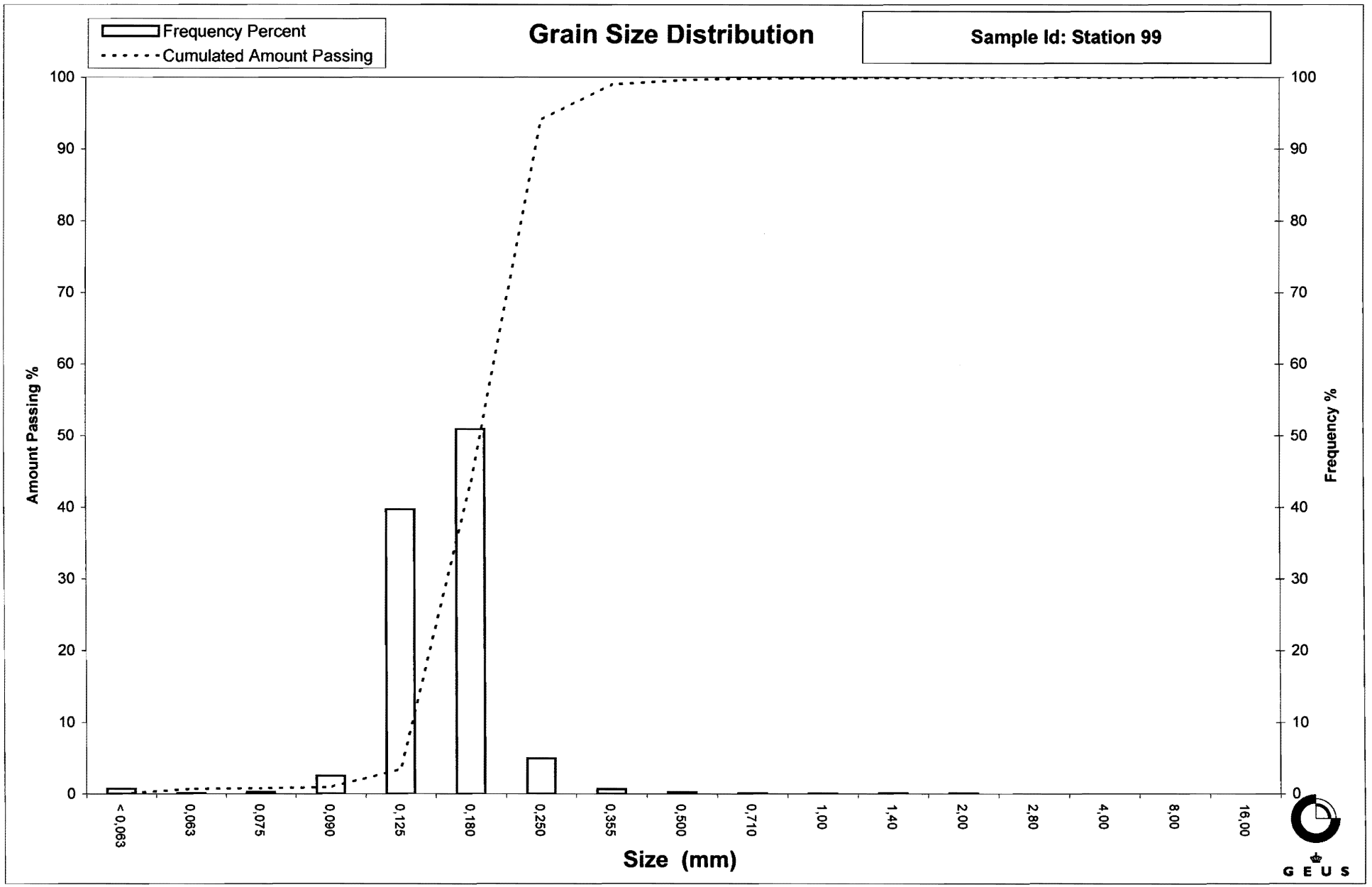
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 99
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 105
Lab. Id: 070030
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 117,04 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,00	0,00	100,00
Sand	1,40	-0,49	0,00	0,00	100,00
	1,00	0,00	0,02	0,02	99,98
	0,710	0,49	0,07	0,06	99,92
	0,500	1,00	0,11	0,09	99,83
	0,355	1,49	0,70	0,60	99,23
	0,250	2,00	12,65	10,81	88,42
	0,180	2,47	78,57	67,13	21,29
	0,125	3,00	22,44	19,17	2,12
	0,090	3,47	0,99	0,85	1,27
	0,075	3,74	0,13	0,11	1,16
	0,063	3,99	0,07	0,06	1,10
	< 0,063	> 3,99	1,29	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):	39,37
Sand, medium	(0,2 mm - 0,6 mm):	59,40
Sand, coarse	(0,6 mm - 2 mm):	0,13
Gravel	(> 2 mm):	0,00
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,31	1,67
16%	84%	0,25	2,03
25%	75%	0,24	2,08
40%	60%	0,22	2,18
Median 50%	50%	0,21	2,25
75%	25%	0,18	2,44
84%	16%	0,16	2,60
90%	10%	0,15	2,76
95%	5%	0,13	2,91

Moments Statistics

Mean	2,29
Sorting	0,33
Skewness	0,14
Kurtosis	1,41
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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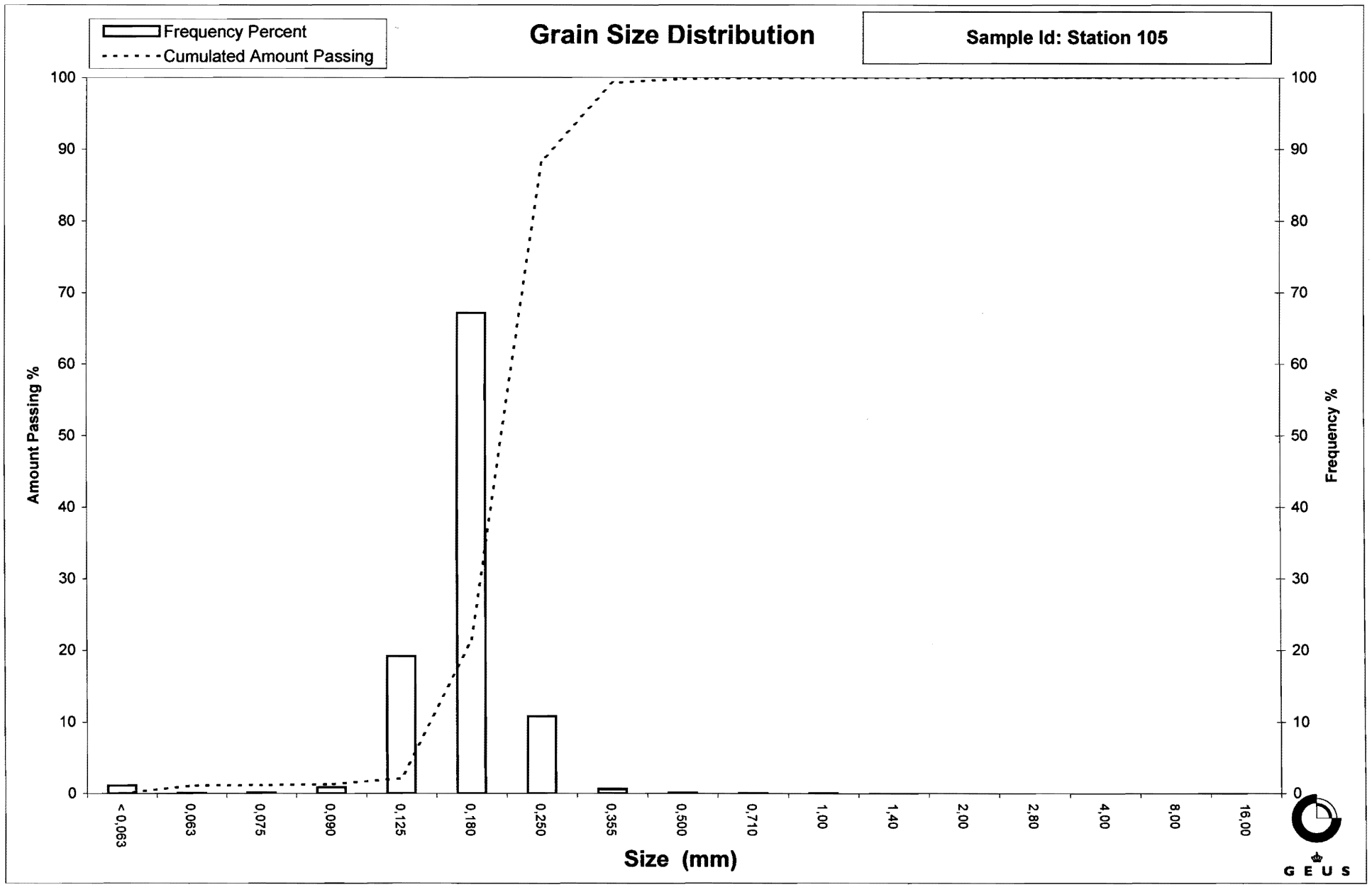
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 105
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 106
Lab. Id: 070031
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

Total Weight 116,05 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
Sand	2,00	-1,00	0,03	0,03	99,97
	1,40	-0,49	0,03	0,03	99,95
	1,00	0,00	0,03	0,03	99,92
	0,710	0,49	0,04	0,03	99,89
	0,500	1,00	0,11	0,09	99,79
	0,355	1,49	0,39	0,34	99,46
	0,250	2,00	5,59	4,82	94,64
	0,180	2,47	70,65	60,88	33,76
	0,125	3,00	35,88	30,92	2,84
	0,090	3,47	2,09	1,80	1,04
	0,075	3,74	0,25	0,22	0,83
	0,063	3,99	0,11	0,09	0,73
	< 0,063	> 3,99	0,85	0,73	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,73
Sand, fine	(0,063 mm - 0,200 mm):	50,42
Sand, medium	(0,2 mm - 0,6 mm):	48,68
Sand, coarse	(0,6 mm - 2 mm):	0,14
Gravel	(> 2 mm):	0,03
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
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	2,33
75%	25%	0,16	2,60
84%	16%	0,15	2,75
90%	10%	0,14	2,86
95%	5%	0,13	2,96

Moments Statistics

Mean	2,39
Sorting	0,32
Skewness	0,24
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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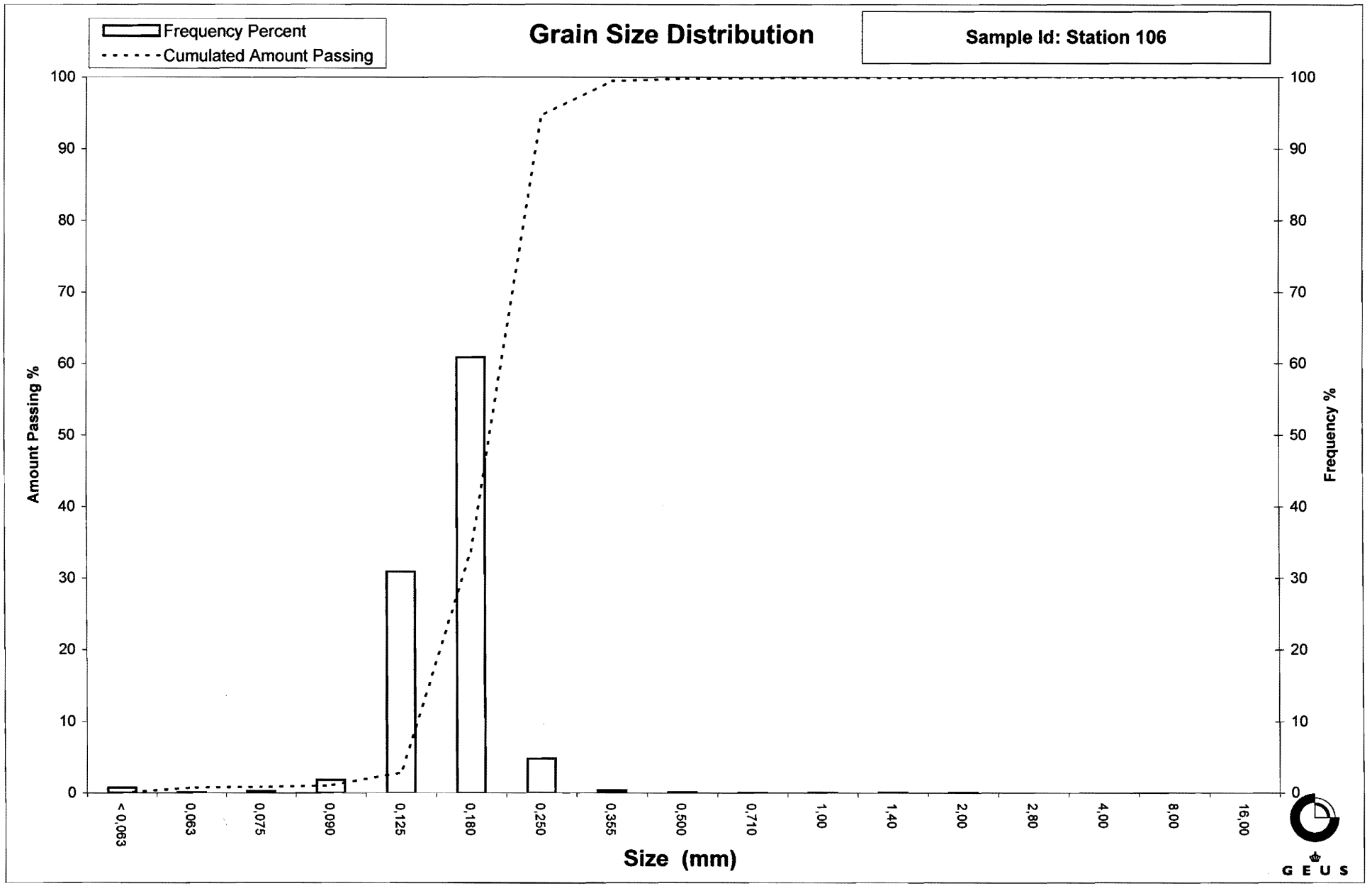
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 106
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 112
Lab. Id: 070032
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 106,21 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,25	0,24	99,76
	2,00	-1,00	0,05	0,05	99,72
Sand	1,40	-0,49	0,02	0,02	99,70
	1,00	0,00	0,05	0,05	99,65
	0,710	0,49	0,06	0,06	99,60
	0,500	1,00	0,20	0,19	99,41
	0,355	1,49	2,95	2,78	96,63
	0,250	2,00	15,84	14,91	81,72
	0,180	2,47	58,78	55,34	26,37
	0,125	3,00	24,18	22,77	3,61
	0,090	3,47	2,30	2,17	1,44
	0,075	3,74	0,39	0,37	1,07
	0,063	3,99	0,15	0,14	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):	41,25
Sand, medium	(0,2 mm - 0,6 mm):	57,31
Sand, coarse	(0,6 mm - 2 mm):	0,22
Gravel	(> 2 mm):	0,28
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,34	1,54
16%	84%	0,27	1,91
25%	75%	0,24	2,05
40%	60%	0,22	2,17
Median 50%	50%	0,21	2,25
75%	25%	0,18	2,50
84%	16%	0,15	2,69
90%	10%	0,14	2,83
95%	5%	0,13	2,96

Moments Statistics

Mean	2,28
Sorting	0,41
Skewness	0,06
Kurtosis	1,29
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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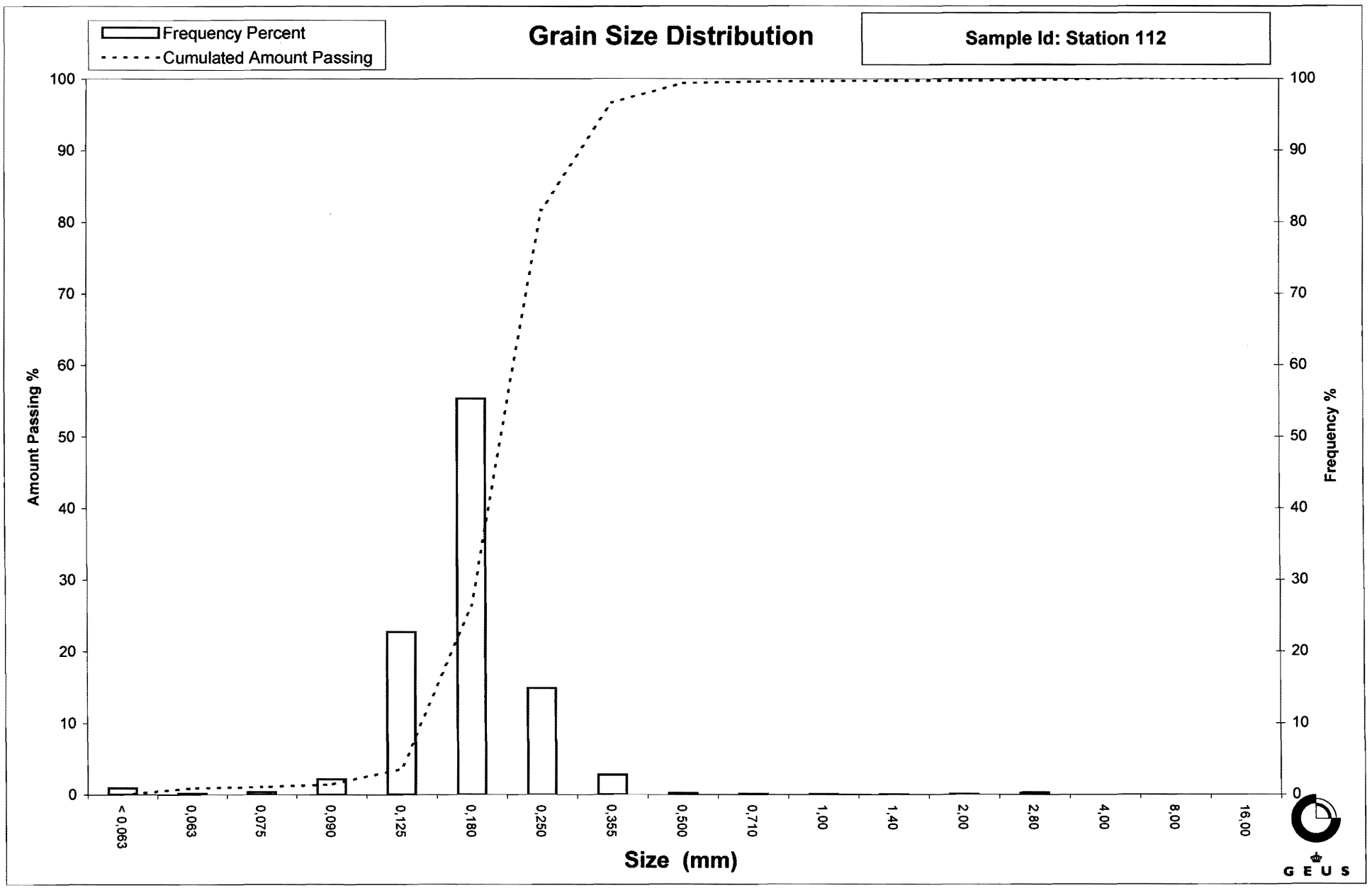
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 112
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 113
Lab. Id: 070033
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

Total Weight 124,49 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,31	0,25	99,75
Sand	1,40	-0,49	0,20	0,16	99,59
	1,00	0,00	0,10	0,08	99,51
	0,710	0,49	0,12	0,10	99,41
	0,500	1,00	1,28	1,03	98,39
	0,355	1,49	2,89	2,32	96,06
	0,250	2,00	24,63	19,79	76,28
	0,180	2,47	76,04	61,08	15,19
	0,125	3,00	16,15	12,97	2,22
	0,090	3,47	1,22	0,98	1,24
	0,075	3,74	0,25	0,20	1,04
	0,063	3,99	0,11	0,09	0,95
	< 0,063	> 3,99	1,19	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):	31,69
Sand, medium	(0,2 mm - 0,6 mm):	66,23
Sand, coarse	(0,6 mm - 2 mm):	0,88
Gravel	(> 2 mm):	0,25
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,35	1,52
16%	84%	0,29	1,78
25%	75%	0,25	2,01
40%	60%	0,23	2,11
Median 50%	50%	0,22	2,19
75%	25%	0,19	2,39
84%	16%	0,18	2,47
90%	10%	0,16	2,66
95%	5%	0,14	2,87

Moments Statistics

Mean	2,14
Sorting	0,38
Skewness	-0,08
Kurtosis	1,47
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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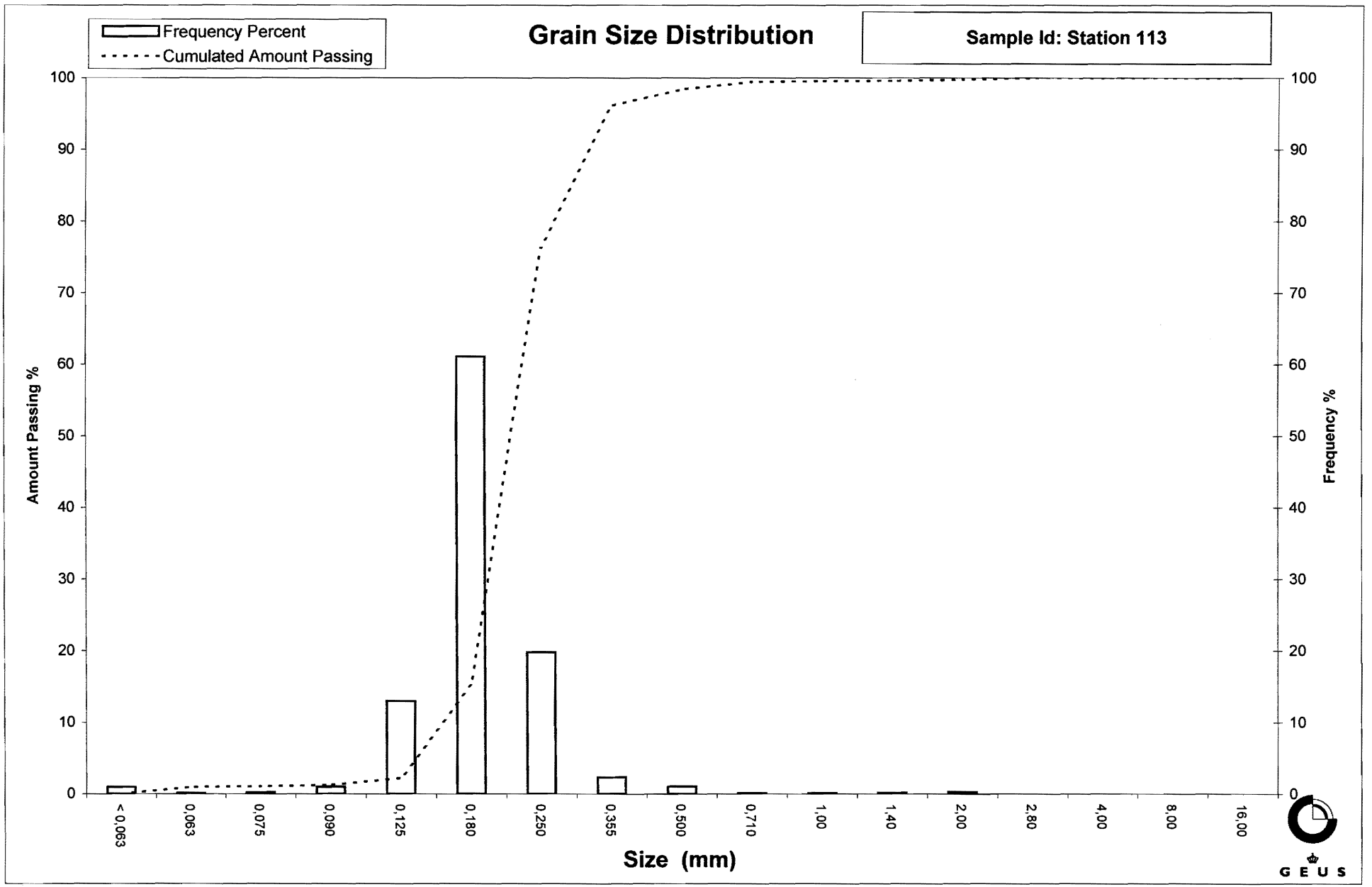
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 113
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 119
Lab. Id: 070034
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 104,17 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,09	0,09	99,91
Sand	1,40	-0,49	0,02	0,02	99,89
	1,00	0,00	0,02	0,02	99,88
	0,710	0,49	0,02	0,02	99,86
	0,500	1,00	0,12	0,12	99,74
	0,355	1,49	3,01	2,89	96,85
	0,250	2,00	55,53	53,31	43,54
	0,180	2,47	38,99	37,43	6,12
	0,125	3,00	4,95	4,75	1,36
	0,090	3,47	0,63	0,60	0,76
	0,075	3,74	0,16	0,15	0,60
	0,063	3,99	0,08	0,08	0,53
	< 0,063	> 3,99	0,55	0,53	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,53
Sand, fine	(0,063 mm - 0,200 mm):	16,28
Sand, medium	(0,2 mm - 0,6 mm):	82,99
Sand, coarse	(0,6 mm - 2 mm):	0,12
Gravel	(> 2 mm):	0,09
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,35	1,51
16%	84%	0,33	1,60
25%	75%	0,31	1,68
40%	60%	0,28	1,82
Median 50%	50%	0,26	1,93
75%	25%	0,22	2,22
84%	16%	0,20	2,33
90%	10%	0,19	2,42
95%	5%	0,17	2,58

Moments Statistics

Mean	1,95
Sorting	0,35
Skewness	0,16
Kurtosis	0,82
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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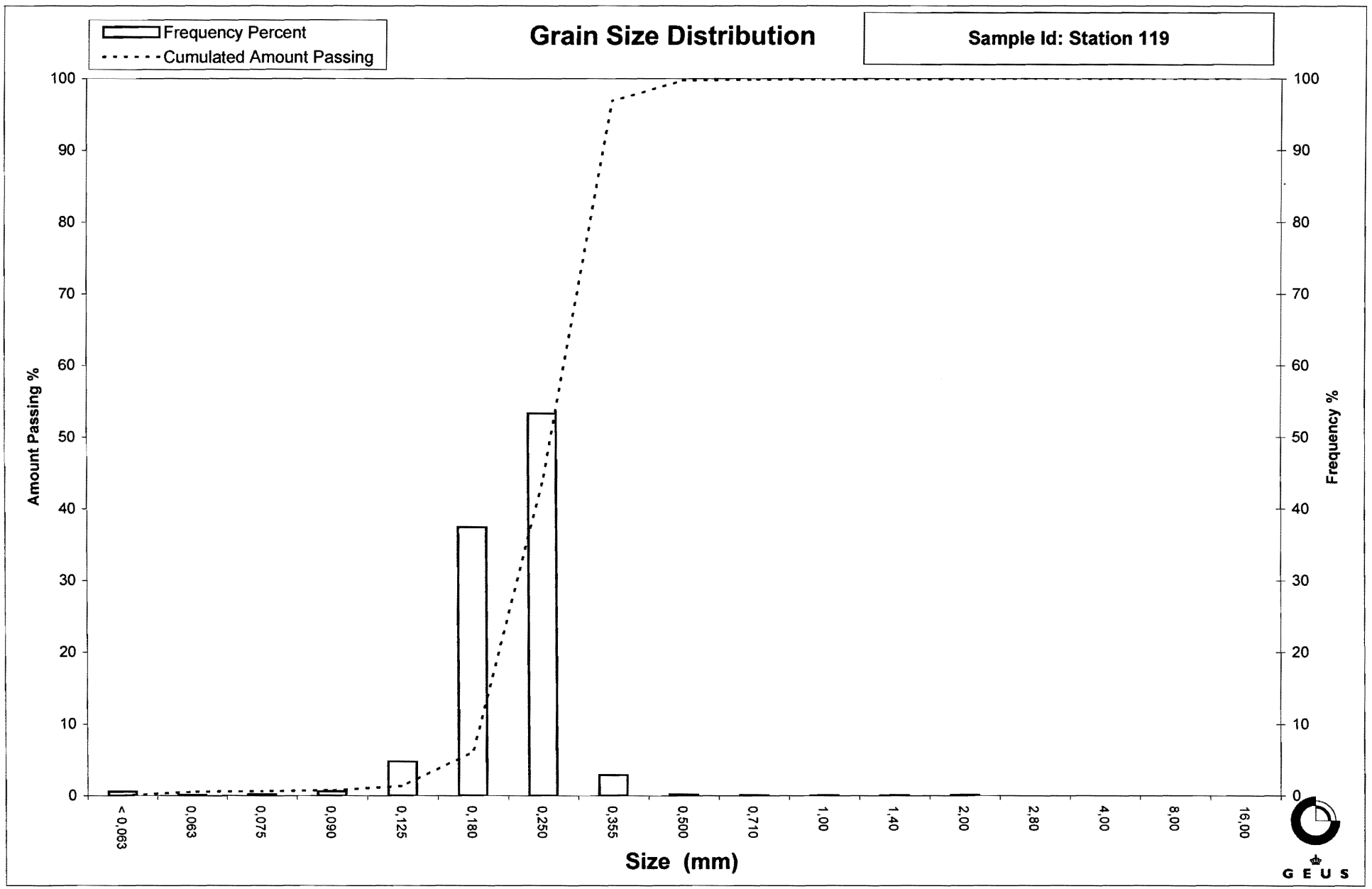
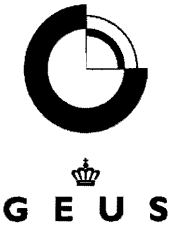

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 119
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 120
Lab. Id: 070035
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 108,85 g

Size Fractions

Sieve Analysis — Gravel / Sand

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	0,26	99,74
2,80	-1,49	0,18	0,17	99,58
2,00	-1,00	0,06	0,06	99,52
1,40	-0,49	0,07	0,06	99,46
1,00	0,00	0,08	0,07	99,38
0,710	0,49	0,09	0,08	99,30
0,500	1,00	0,25	0,23	99,07
0,355	1,49	3,13	2,88	96,20
0,250	2,00	47,24	43,40	52,80
0,180	2,47	43,95	40,38	12,42
0,125	3,00	11,61	10,67	1,75
0,090	3,47	1,46	1,34	0,41
0,075	3,74	0,21	0,19	0,22
0,063	3,99	0,09	0,08	0,14
< 0,063	> 3,99	0,15	0,14	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,14
Sand, fine	(0,063 mm - 0,200 mm):	23,82
Sand, medium	(0,2 mm - 0,6 mm):	75,22
Sand, coarse	(0,6 mm - 2 mm):	0,34
Gravel	(> 2 mm):	0,48
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,35	1,51
16%	84%	0,33	1,62
25%	75%	0,30	1,72
40%	60%	0,27	1,90
Median 50%	50%	0,25	2,03
75%	25%	0,20	2,31
84%	16%	0,19	2,43
90%	10%	0,17	2,58
95%	5%	0,14	2,82

Moments Statistics

Mean	2,02
Sorting	0,40
Skewness	0,09
Kurtosis	0,91
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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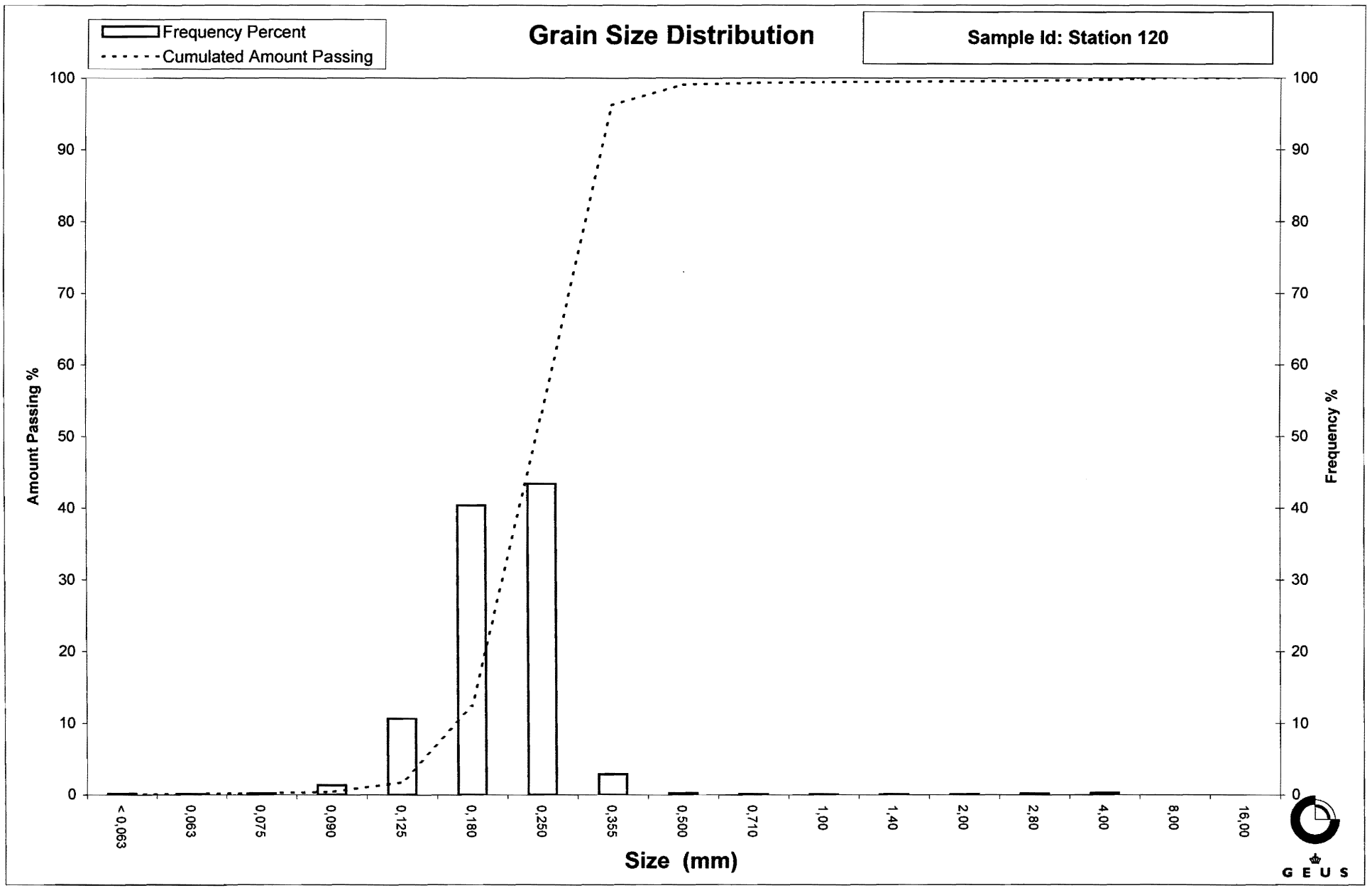
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 120
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 131
Lab. Id: 070036
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 123,02 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,04	0,03	99,97
Sand	1,40	-0,49	0,00	0,00	99,97
	1,00	0,00	0,07	0,06	99,91
	0,710	0,49	0,04	0,03	99,88
	0,500	1,00	0,08	0,07	99,81
	0,355	1,49	3,31	2,69	97,12
	0,250	2,00	94,15	76,53	20,59
	0,180	2,47	21,61	17,57	3,02
	0,125	3,00	1,68	1,37	1,66
	0,090	3,47	0,35	0,28	1,37
	0,075	3,74	0,07	0,06	1,32
	0,063	3,99	0,03	0,02	1,29
	< 0,063	> 3,99	1,59	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):	6,75
Sand, medium	(0,2 mm - 0,6 mm):	91,80
Sand, coarse	(0,6 mm - 2 mm):	0,12
Gravel	(> 2 mm):	0,03
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,35	1,51
16%	84%	0,34	1,57
25%	75%	0,32	1,62
40%	60%	0,30	1,72
Median 50%	50%	0,29	1,78
75%	25%	0,26	1,97
84%	16%	0,23	2,11
90%	10%	0,21	2,27
95%	5%	0,19	2,41

Moments Statistics

Mean	1,82
Sorting	0,27
Skewness	0,30
Kurtosis	1,08
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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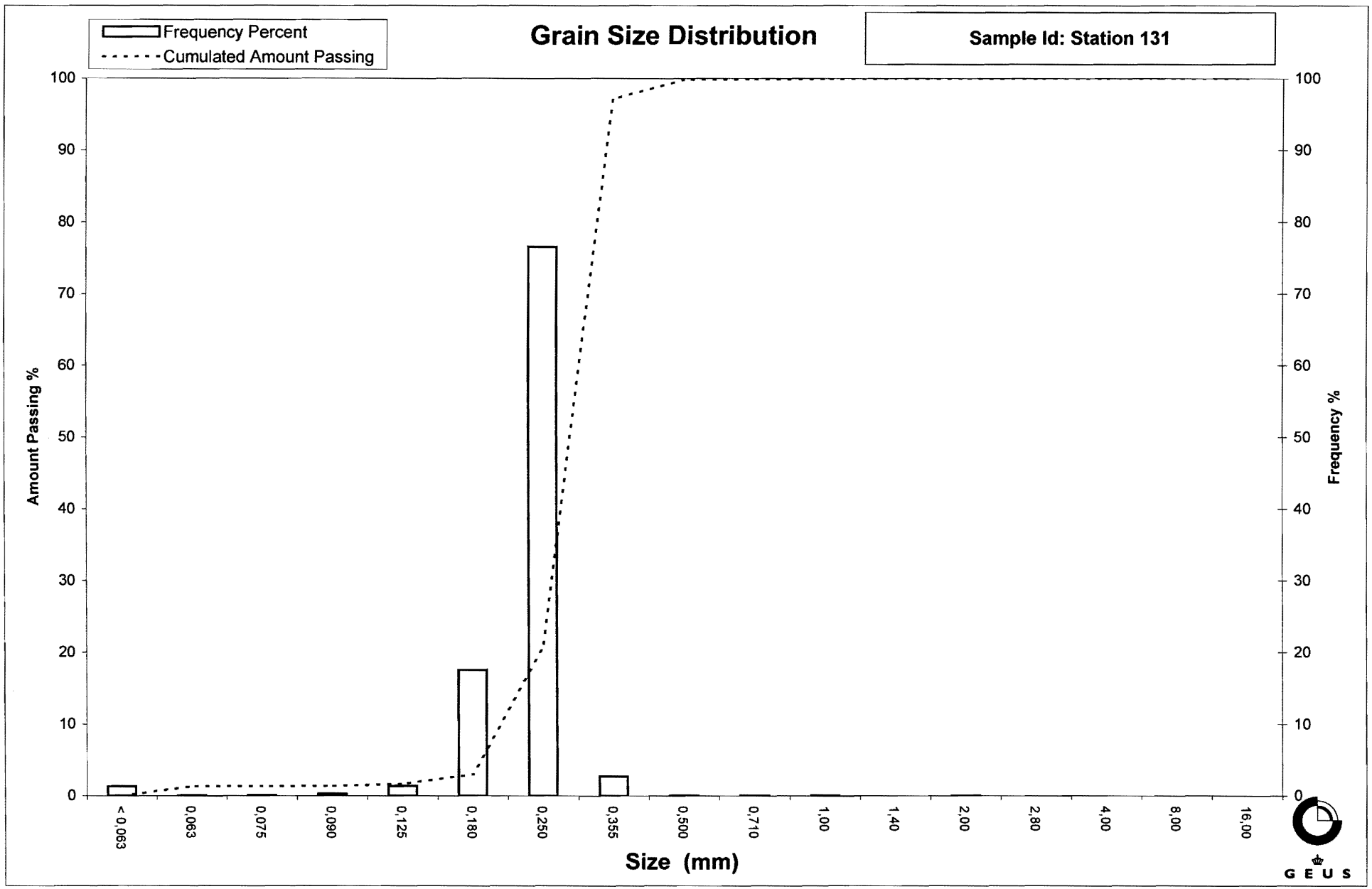
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 131
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 132
Lab. Id: 070037
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 123,98 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,00	0,00	100,00
Sand	1,40	-0,49	0,00	0,00	100,00
	1,00	0,00	0,00	0,00	100,00
	0,710	0,49	0,02	0,02	99,98
	0,500	1,00	0,02	0,02	99,97
	0,355	1,49	3,09	2,49	97,48
	0,250	2,00	84,06	67,80	29,67
	0,180	2,47	34,89	28,14	1,53
	0,125	3,00	1,12	0,90	0,63
	0,090	3,47	0,22	0,18	0,45
	0,075	3,74	0,06	0,05	0,40
	0,063	3,99	0,02	0,02	0,39
	< 0,063	> 3,99	0,48	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):	9,19
Sand, medium	(0,2 mm - 0,6 mm):	90,40
Sand, coarse	(0,6 mm - 2 mm):	0,02
Gravel	(> 2 mm):	0,00
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,35	1,51
16%	84%	0,33	1,58
25%	75%	0,32	1,64
40%	60%	0,30	1,75
Median 50%	50%	0,28	1,83
75%	25%	0,24	2,07
84%	16%	0,22	2,21
90%	10%	0,20	2,31
95%	5%	0,19	2,41

Moments Statistics

Mean	1,87
Sorting	0,29
Skewness	0,25
Kurtosis	0,86
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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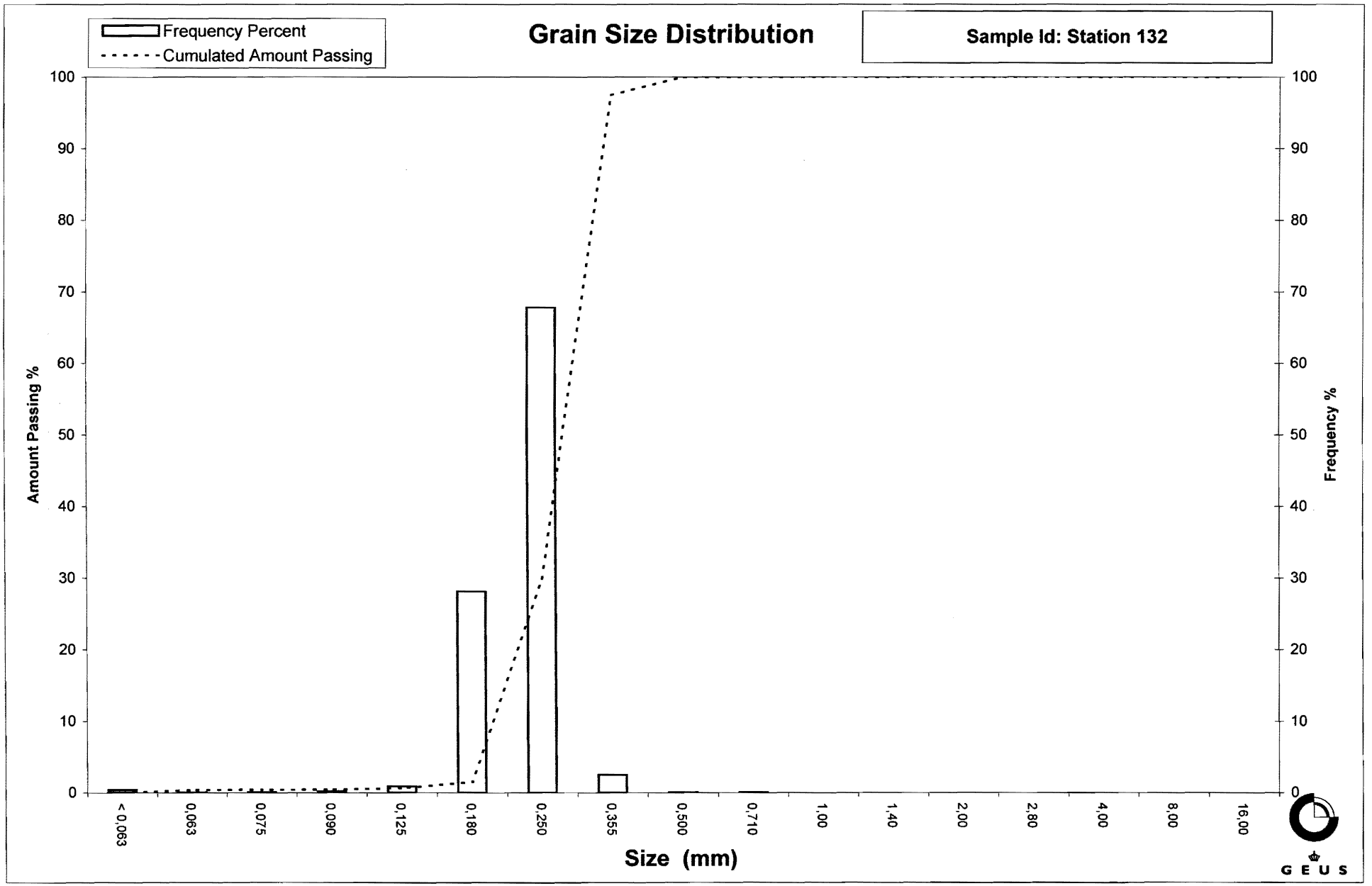
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 132
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 133
Lab. Id: 070038
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 109,78 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,00	0,00	100,00
Sand	1,40	-0,49	0,06	0,05	99,95
	1,00	0,00	0,12	0,11	99,84
	0,710	0,49	0,39	0,36	99,48
	0,500	1,00	1,26	1,15	98,33
	0,355	1,49	4,56	4,15	94,18
	0,250	2,00	16,73	15,24	78,94
	0,180	2,47	37,81	34,44	44,50
	0,125	3,00	41,31	37,63	6,87
	0,090	3,47	6,02	5,48	1,38
	0,075	3,74	0,35	0,32	1,07
	0,063	3,99	0,09	0,08	0,98
	< 0,063	> 3,99	1,08	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):	53,35
Sand, medium	(0,2 mm - 0,6 mm):	44,54
Sand, coarse	(0,6 mm - 2 mm):	1,12
Gravel	(> 2 mm):	0,00
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,38	1,38
16%	84%	0,28	1,81
25%	75%	0,24	2,05
40%	60%	0,21	2,24
Median 50%	50%	0,19	2,39
75%	25%	0,15	2,72
84%	16%	0,14	2,85
90%	10%	0,13	2,95
95%	5%	0,11	3,14

Moments Statistics

Mean	2,35
Sorting	0,53
Skewness	-0,12
Kurtosis	1,07
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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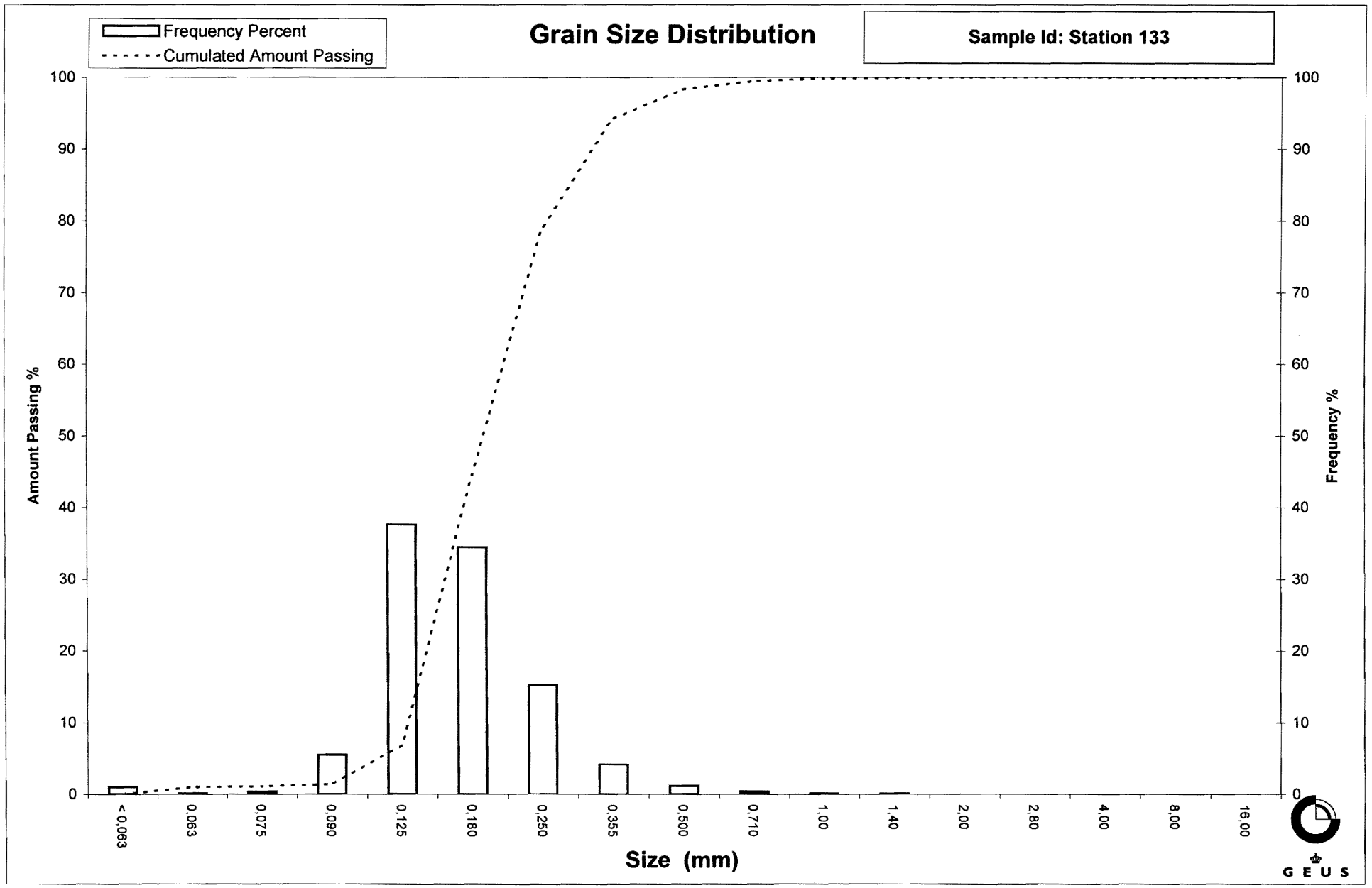
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 133
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 134
Lab. Id: 070039
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

Total Weight 116,87 g

Size Fractions

Sieve Analysis

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
Gravel	8,00	-3,00	0,00	0,00	100,00
Gravel	4,00	-2,00	0,00	0,00	100,00
Gravel	2,80	-1,49	0,14	0,12	99,88
Gravel	2,00	-1,00	0,04	0,03	99,85
Sand	1,40	-0,49	0,05	0,04	99,80
Sand	1,00	0,00	0,17	0,15	99,66
Sand	0,710	0,49	0,48	0,41	99,25
Sand	0,500	1,00	1,40	1,20	98,05
Sand	0,355	1,49	4,28	3,66	94,39
Sand	0,250	2,00	15,20	13,01	81,38
Sand	0,180	2,47	39,16	33,51	47,87
Sand	0,125	3,00	47,71	40,82	7,05
Sand	0,090	3,47	6,54	5,60	1,45
Sand	0,075	3,74	0,53	0,45	1,00
Sand	0,063	3,99	0,14	0,12	0,88
	< 0,063	> 3,99	1,03	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):	56,57
Sand, medium	(0,2 mm - 0,6 mm):	41,17
Sand, coarse	(0,6 mm - 2 mm):	1,23
Gravel	(> 2 mm):	0,15
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,38	1,40
16%	84%	0,27	1,88
25%	75%	0,24	2,08
40%	60%	0,21	2,28
Median 50%	50%	0,18	2,44
75%	25%	0,15	2,74
84%	16%	0,14	2,87
90%	10%	0,13	2,95
95%	5%	0,11	3,16

Moments Statistics

Mean	2,40
Sorting	0,51
Skewness	-0,16
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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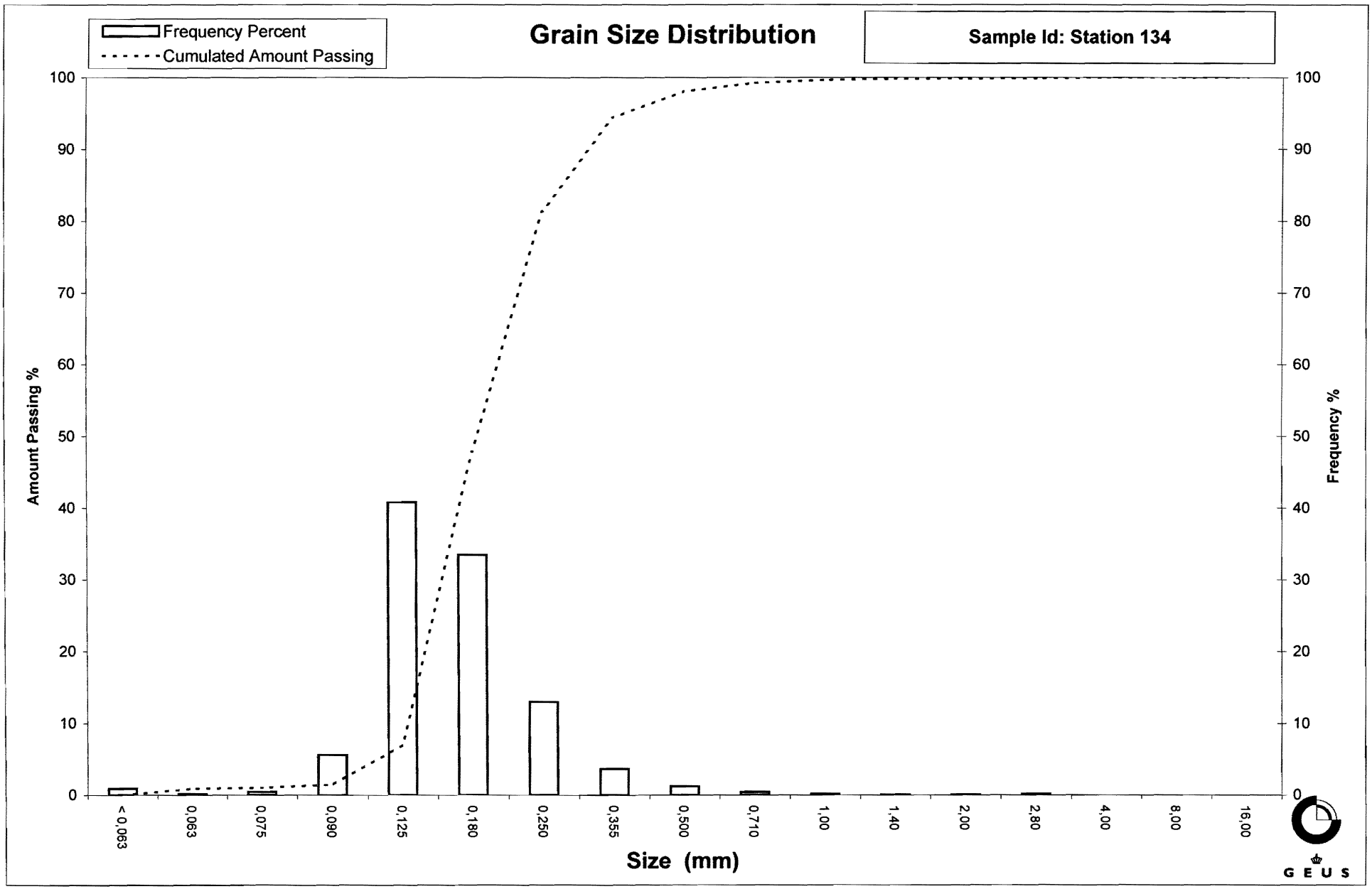
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 134
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 135
Lab. Id: 070040
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 105,27 g

Size Fractions

Sieve Analysis

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
Gravel	8,00	-3,00	0,00	0,00	100,00
Gravel	4,00	-2,00	0,00	0,00	100,00
Gravel	2,80	-1,49	0,00	0,00	100,00
Gravel	2,00	-1,00	0,02	0,02	99,98
Sand	1,40	-0,49	0,06	0,06	99,92
Sand	1,00	0,00	0,18	0,17	99,75
Sand	0,710	0,49	0,39	0,37	99,38
Sand	0,500	1,00	1,09	1,04	98,35
Sand	0,355	1,49	3,46	3,29	95,06
Sand	0,250	2,00	12,55	11,92	83,14
Sand	0,180	2,47	33,38	31,71	51,43
Sand	0,125	3,00	45,11	42,85	8,58
Sand	0,090	3,47	7,88	7,49	1,09
Sand	0,075	3,74	0,49	0,47	0,63
Sand	0,063	3,99	0,11	0,10	0,52
Sand	< 0,063	> 3,99	0,55	0,52	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,52
Sand, fine	(0,063 mm - 0,200 mm):	59,97
Sand, medium	(0,2 mm - 0,6 mm):	38,35
Sand, coarse	(0,6 mm - 2 mm):	1,14
Gravel	(> 2 mm):	0,02
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,35	1,50
16%	84%	0,26	1,96
25%	75%	0,23	2,11
40%	60%	0,20	2,33
Median 50%	50%	0,18	2,49
75%	25%	0,15	2,78
84%	16%	0,13	2,89
90%	10%	0,13	2,98
95%	5%	0,11	3,21

Moments Statistics

Mean	2,45
Sorting	0,49
Skewness	-0,15
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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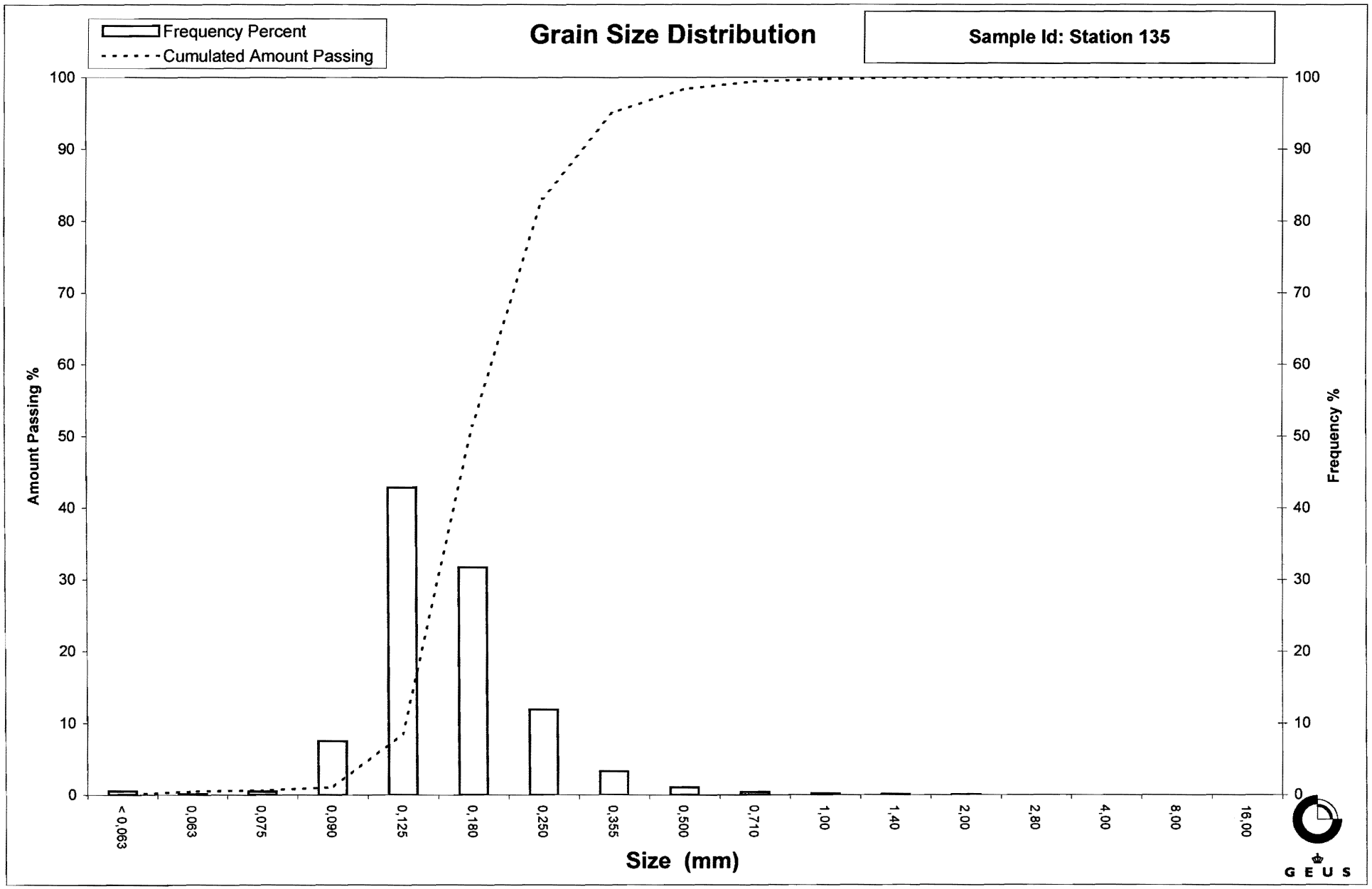
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 135
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 136
Lab. Id: 070041
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 106,06 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,11	0,10	99,90
	2,00	-1,00	0,01	0,01	99,89
Sand	1,40	-0,49	0,10	0,09	99,79
	1,00	0,00	0,17	0,16	99,63
	0,710	0,49	0,42	0,40	99,24
	0,500	1,00	1,40	1,32	97,92
	0,355	1,49	4,69	4,42	93,49
	0,250	2,00	15,29	14,42	79,08
	0,180	2,47	36,62	34,53	44,55
	0,125	3,00	39,59	37,33	7,22
	0,090	3,47	6,23	5,87	1,35
	0,075	3,74	0,46	0,43	0,91
	0,063	3,99	0,10	0,09	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):	53,60
Sand, medium	(0,2 mm - 0,6 mm):	44,13
Sand, coarse	(0,6 mm - 2 mm):	1,34
Gravel	(> 2 mm):	0,11
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,40	1,31
16%	84%	0,29	1,81
25%	75%	0,24	2,05
40%	60%	0,21	2,24
Median 50%	50%	0,19	2,39
75%	25%	0,15	2,73
84%	16%	0,14	2,86
90%	10%	0,13	2,95
95%	5%	0,11	3,16

Moments Statistics

Mean	2,35
Sorting	0,54
Skewness	-0,14
Kurtosis	1,12
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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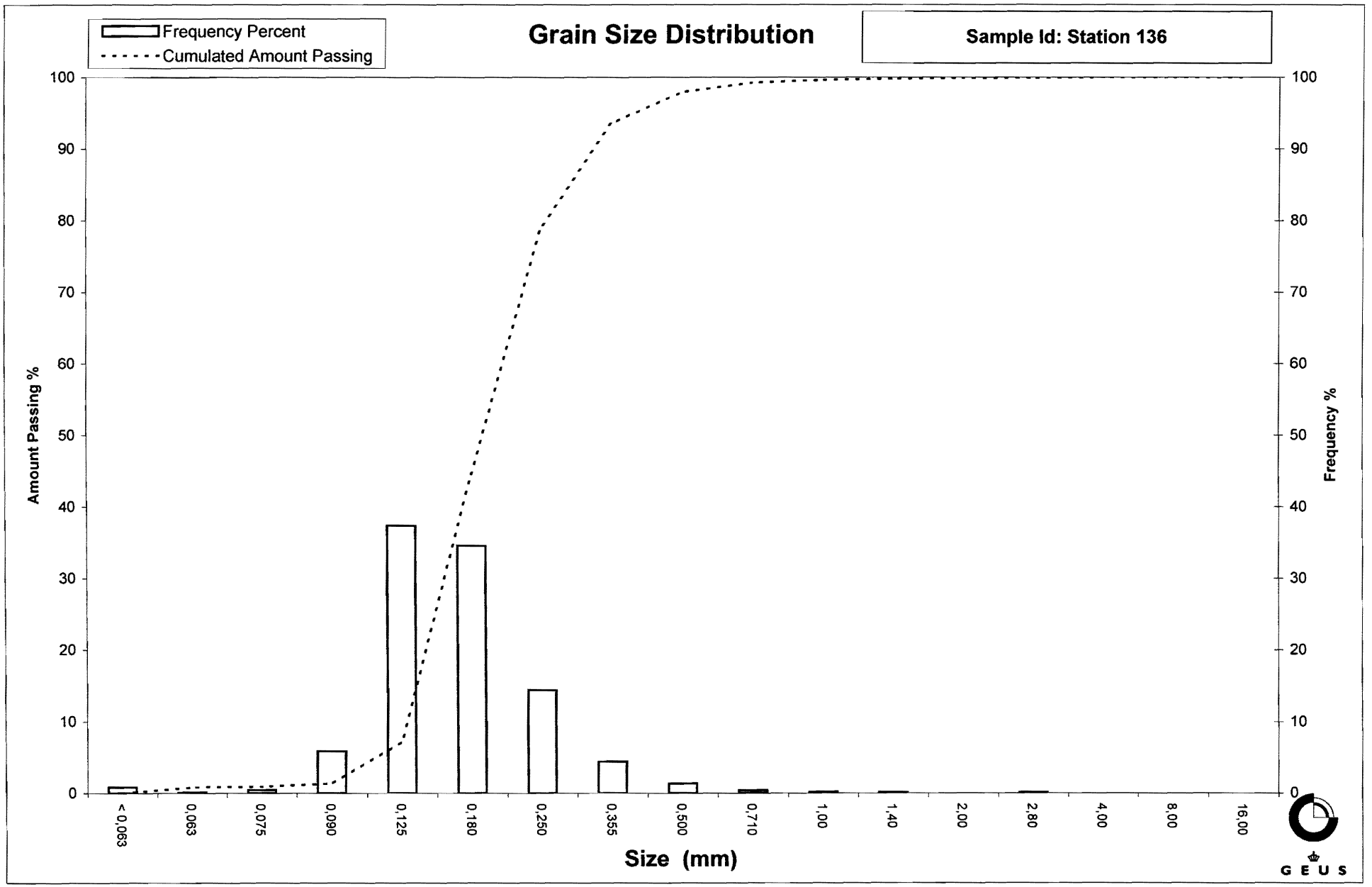
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 136
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 137
Lab. Id: 070042
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 119,96 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,07	0,06	99,94
	2,00	-1,00	0,07	0,06	99,88
Sand	1,40	-0,49	0,05	0,04	99,84
	1,00	0,00	0,16	0,13	99,71
	0,710	0,49	0,43	0,36	99,35
	0,500	1,00	1,25	1,04	98,31
	0,355	1,49	4,89	4,08	94,23
	0,250	2,00	15,69	13,08	81,15
	0,180	2,47	40,74	33,96	47,19
	0,125	3,00	47,95	39,97	7,22
	0,090	3,47	7,52	6,27	0,95
	0,075	3,74	0,51	0,43	0,53
	0,063	3,99	0,16	0,13	0,39
	< 0,063	> 3,99	0,47	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):	56,50
Sand, medium	(0,2 mm - 0,6 mm):	41,91
Sand, coarse	(0,6 mm - 2 mm):	1,08
Gravel	(> 2 mm):	0,12
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,38	1,39
16%	84%	0,27	1,87
25%	75%	0,24	2,08
40%	60%	0,21	2,28
Median 50%	50%	0,19	2,43
75%	25%	0,15	2,74
84%	16%	0,14	2,87
90%	10%	0,13	2,96
95%	5%	0,11	3,15

Moments Statistics

Mean	2,39
Sorting	0,52
Skewness	-0,15
Kurtosis	1,08
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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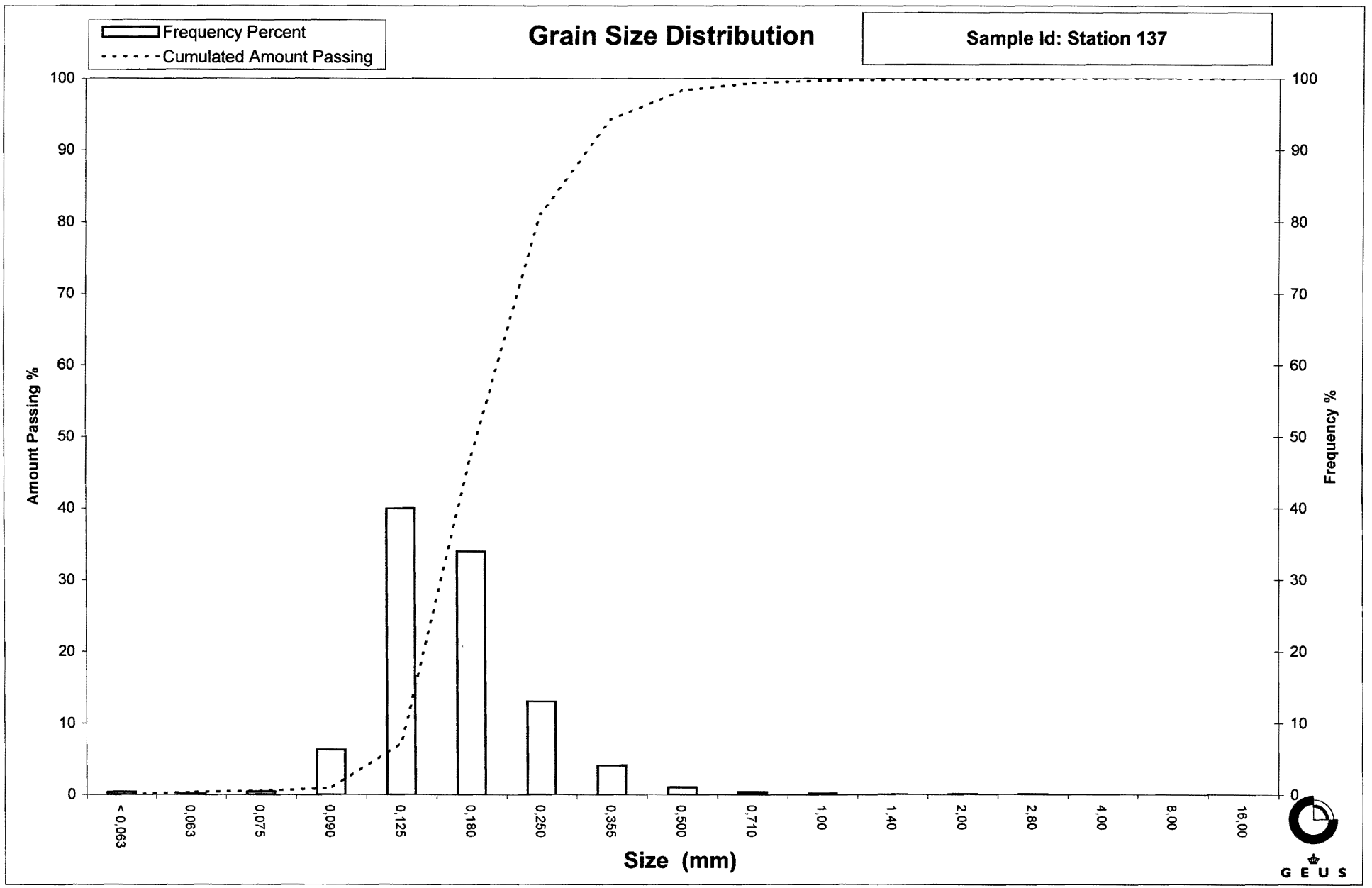
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 137
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 138
Lab. Id: 070043
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 113,23 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,10	0,09	99,91
	2,00	-1,00	0,08	0,07	99,84
Sand	1,40	-0,49	0,08	0,07	99,77
	1,00	0,00	0,27	0,23	99,53
	0,710	0,49	0,52	0,46	99,07
	0,500	1,00	1,52	1,35	97,73
	0,355	1,49	5,26	4,65	93,08
	0,250	2,00	16,84	14,87	78,21
	0,180	2,47	42,08	37,16	41,05
	0,125	3,00	40,51	35,77	5,28
	0,090	3,47	4,72	4,17	1,11
	0,075	3,74	0,59	0,52	0,59
	0,063	3,99	0,13	0,11	0,48
	< 0,063	> 3,99	0,54	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):	51,19
Sand, medium	(0,2 mm - 0,6 mm):	46,70
Sand, coarse	(0,6 mm - 2 mm):	1,47
Gravel	(> 2 mm):	0,16
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,41	1,27
16%	84%	0,29	1,78
25%	75%	0,24	2,04
40%	60%	0,22	2,21
Median 50%	50%	0,20	2,34
75%	25%	0,16	2,69
84%	16%	0,14	2,82
90%	10%	0,13	2,92
95%	5%	0,12	3,03

Moments Statistics

Mean	2,32
Sorting	0,53
Skewness	-0,15
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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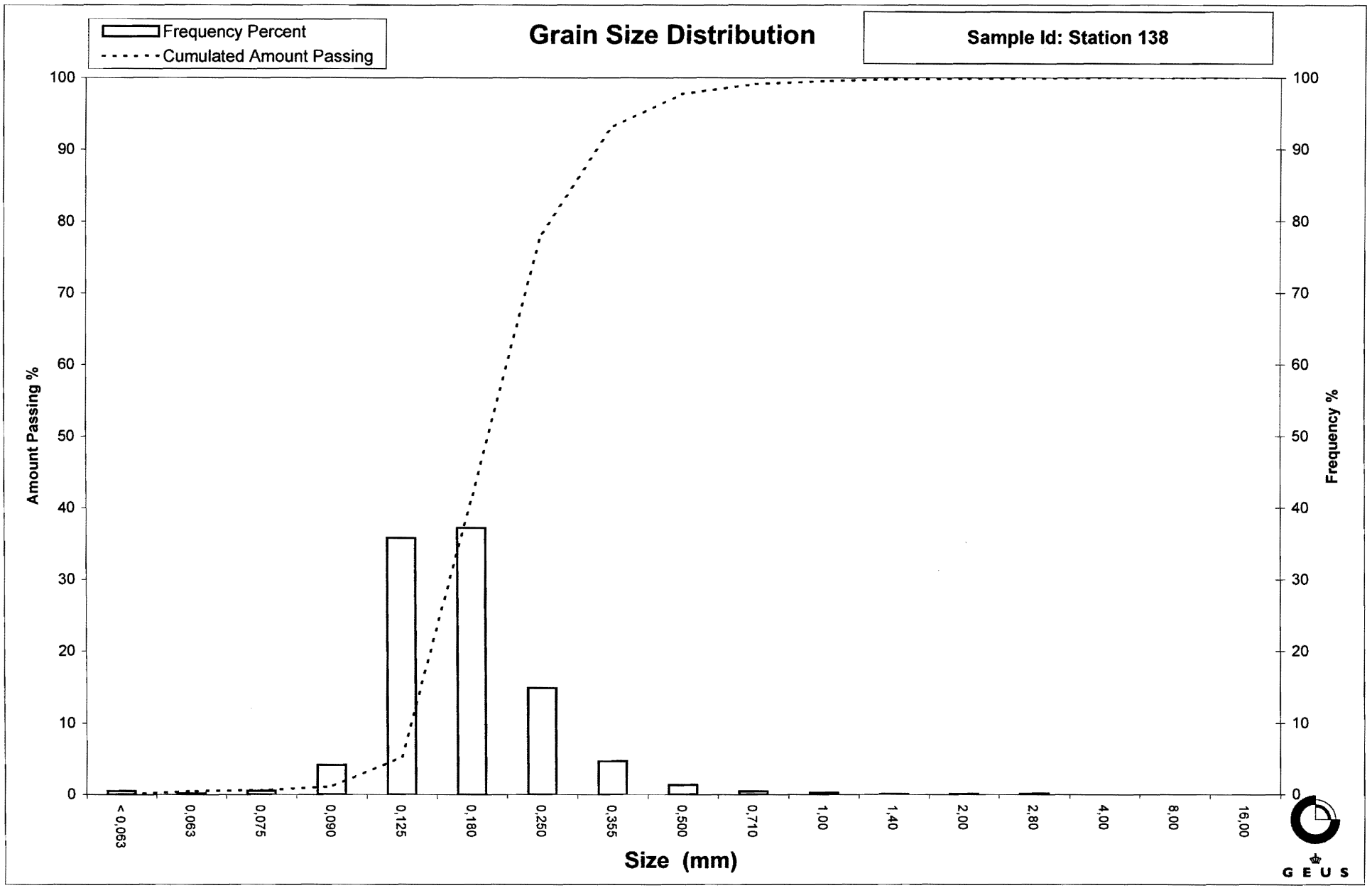
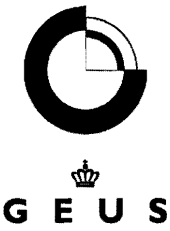

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 138
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 139
Lab. Id: 070044
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 101,29 g

Size Fractions

Sieve Analysis

	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	0,06	0,06	99,94
	2,80	-1,49	0,00	0,00	99,94
	2,00	-1,00	0,07	0,07	99,87
Sand	1,40	-0,49	0,07	0,07	99,80
	1,00	0,00	0,16	0,16	99,64
	0,710	0,49	0,67	0,66	98,98
	0,500	1,00	2,92	2,88	96,10
	0,355	1,49	9,84	9,71	86,39
	0,250	2,00	23,09	22,80	63,59
	0,180	2,47	34,80	34,36	29,23
	0,125	3,00	25,19	24,87	4,36
	0,090	3,47	3,21	3,17	1,19
	0,075	3,74	0,21	0,21	0,99
	0,063	3,99	0,04	0,04	0,95
	< 0,063	> 3,99	0,96	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):	38,10
Sand, medium	(0,2 mm - 0,6 mm):	58,42
Sand, coarse	(0,6 mm - 2 mm):	2,40
Gravel	(> 2 mm):	0,13
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,48	1,05
16%	84%	0,34	1,54
25%	75%	0,30	1,72
40%	60%	0,24	2,04
Median 50%	50%	0,22	2,17
75%	25%	0,17	2,55
84%	16%	0,15	2,73
90%	10%	0,14	2,86
95%	5%	0,13	2,98

Moments Statistics

Mean	2,15
Sorting	0,59
Skewness	-0,11
Kurtosis	0,96
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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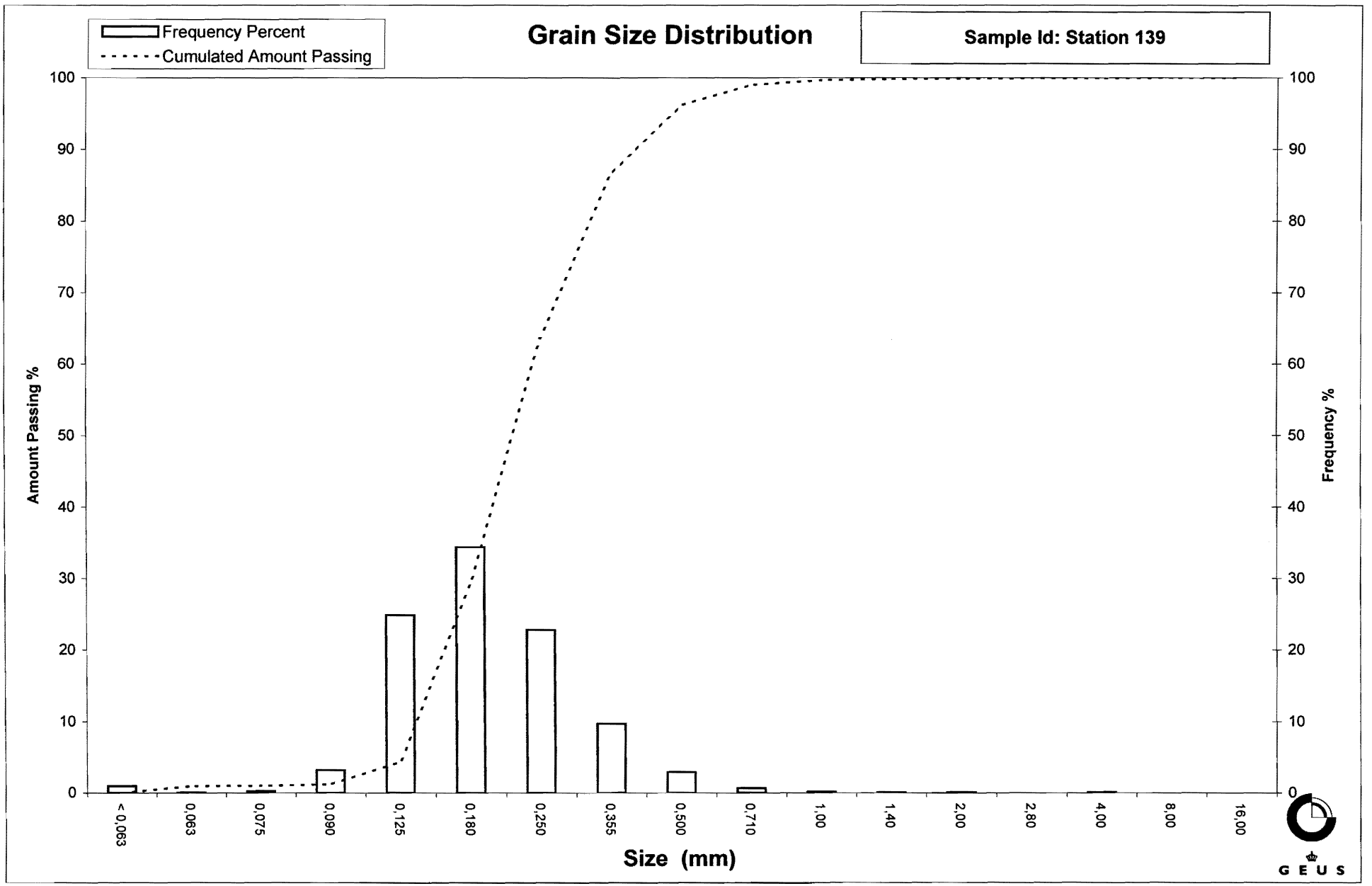
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 139
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station140
Lab. Id: 070045
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 103,57 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,04	0,04	99,96
	2,00	-1,00	0,01	0,01	99,95
Sand	1,40	-0,49	0,10	0,10	99,86
	1,00	0,00	0,13	0,13	99,73
	0,710	0,49	0,26	0,25	99,48
	0,500	1,00	1,30	1,26	98,22
	0,355	1,49	5,09	4,91	93,31
	0,250	2,00	18,78	18,13	75,18
	0,180	2,47	39,04	37,69	37,48
	0,125	3,00	31,85	30,75	6,73
	0,090	3,47	4,88	4,71	2,02
	0,075	3,74	0,36	0,35	1,67
	0,063	3,99	0,10	0,10	1,57
	< 0,063	> 3,99	1,63	1,57	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	1,57
Sand, fine	(0,063 mm - 0,200 mm):	46,68
Sand, medium	(0,2 mm - 0,6 mm):	50,57
Sand, coarse	(0,6 mm - 2 mm):	1,13
Gravel	(> 2 mm):	0,05
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,40	1,30
16%	84%	0,30	1,73
25%	75%	0,25	2,00
40%	60%	0,22	2,17
Median 50%	50%	0,20	2,30
75%	25%	0,16	2,66
84%	16%	0,14	2,82
90%	10%	0,13	2,93
95%	5%	0,11	3,16

Moments Statistics

Mean	2,28
Sorting	0,55
Skewness	-0,06
Kurtosis	1,14
Uniformity Coefficient	1,70

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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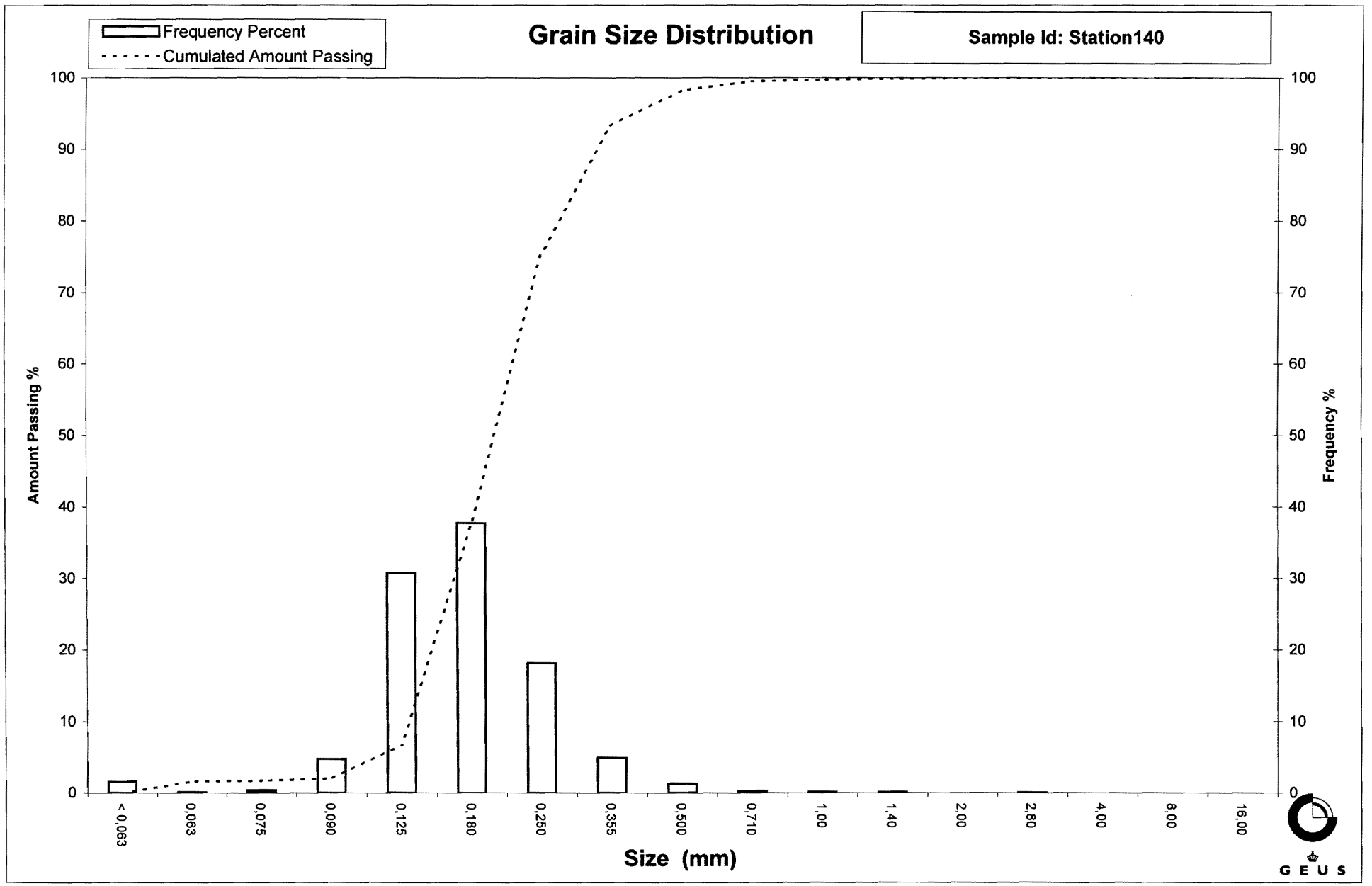
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station140
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 141
Lab. Id: 070046
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 107,99 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,08	0,07	99,93
	2,00	-1,00	0,02	0,02	99,91
Sand	1,40	-0,49	0,07	0,06	99,84
	1,00	0,00	0,14	0,13	99,71
	0,710	0,49	0,31	0,29	99,43
	0,500	1,00	0,84	0,78	98,65
	0,355	1,49	2,71	2,51	96,14
	0,250	2,00	9,81	9,08	87,05
	0,180	2,47	32,54	30,13	56,92
	0,125	3,00	50,61	46,87	10,06
	0,090	3,47	8,94	8,28	1,78
	0,075	3,74	0,68	0,63	1,15
	0,063	3,99	0,20	0,19	0,96
	< 0,063	> 3,99	1,04	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):	64,57
Sand, medium	(0,2 mm - 0,6 mm):	33,49
Sand, coarse	(0,6 mm - 2 mm):	0,89
Gravel	(> 2 mm):	0,09
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,34	1,55
16%	84%	0,24	2,04
25%	75%	0,22	2,17
40%	60%	0,19	2,42
Median 50%	50%	0,17	2,54
75%	25%	0,14	2,81
84%	16%	0,13	2,92
90%	10%	0,12	3,00
95%	5%	0,10	3,27

Moments Statistics

Mean	2,50
Sorting	0,48
Skewness	-0,14
Kurtosis	1,10
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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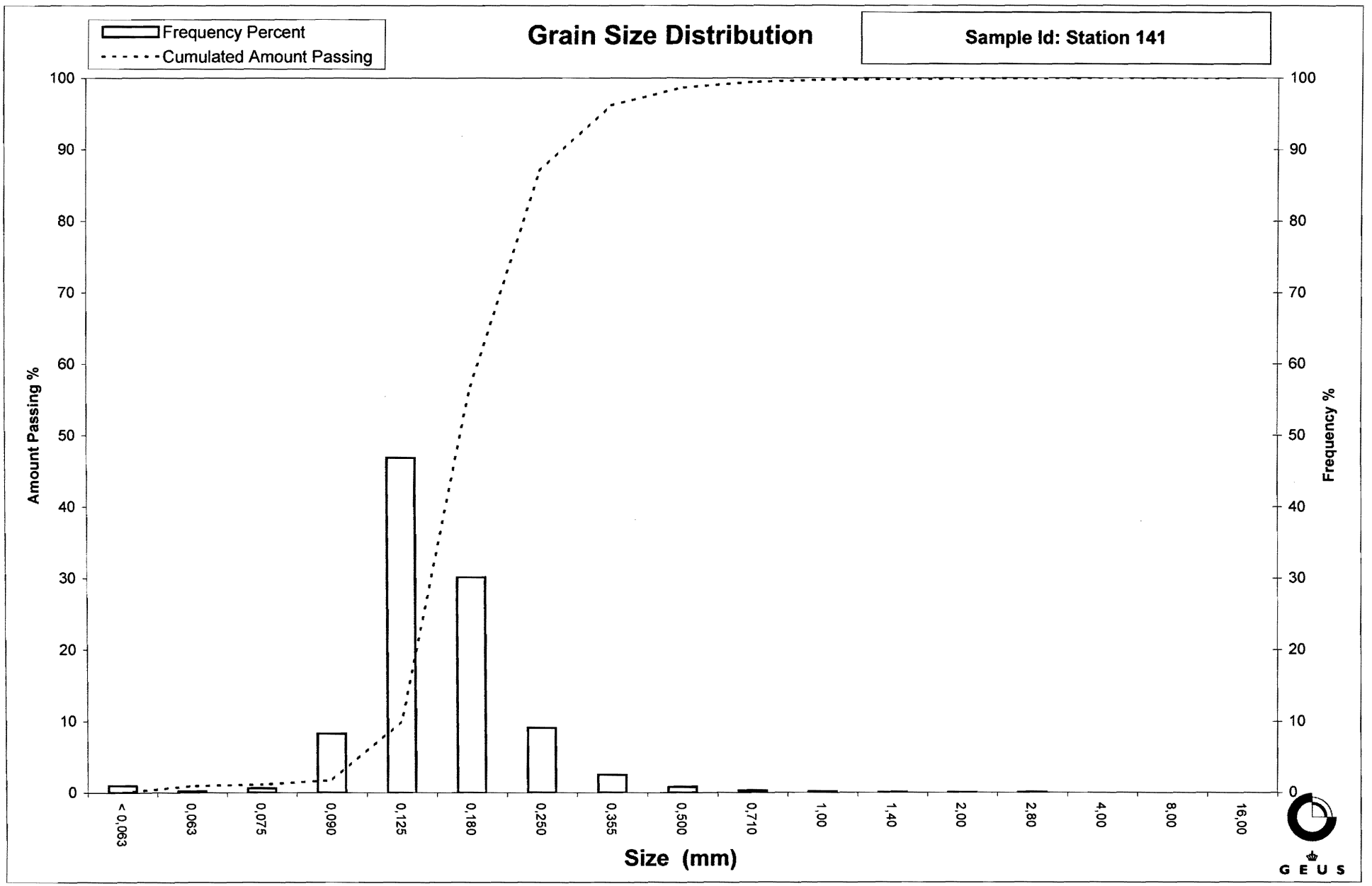
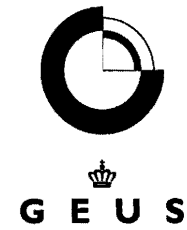

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 141
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 142
Lab. Id: 070047
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 109,16 g

Size Fractions

Sieve Analysis

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
Gravel	8,00	-3,00	0,00	0,00	100,00
Gravel	4,00	-2,00	0,00	0,00	100,00
Gravel	2,80	-1,49	0,00	0,00	100,00
Gravel	2,00	-1,00	0,02	0,02	99,98
Sand	1,40	-0,49	0,05	0,05	99,94
Sand	1,00	0,00	0,23	0,21	99,73
Sand	0,710	0,49	0,38	0,35	99,38
Sand	0,500	1,00	1,21	1,11	98,27
Sand	0,355	1,49	4,18	3,83	94,44
Sand	0,250	2,00	14,23	13,04	81,40
Sand	0,180	2,47	36,48	33,42	47,98
Sand	0,125	3,00	43,22	39,59	8,39
Sand	0,090	3,47	7,55	6,92	1,47
Sand	0,075	3,74	0,53	0,49	0,99
Sand	0,063	3,99	0,11	0,10	0,89
	< 0,063	> 3,99	0,97	0,89	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,89
Sand, fine	(0,063 mm - 0,200 mm):	56,64
Sand, medium	(0,2 mm - 0,6 mm):	41,26
Sand, coarse	(0,6 mm - 2 mm):	1,19
Gravel	(> 2 mm):	0,02
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,38	1,41
16%	84%	0,27	1,88
25%	75%	0,24	2,08
40%	60%	0,21	2,29
Median 50%	50%	0,18	2,44
75%	25%	0,15	2,76
84%	16%	0,14	2,88
90%	10%	0,13	2,97
95%	5%	0,11	3,21

Moments Statistics

Mean	2,40
Sorting	0,52
Skewness	-0,13
Kurtosis	1,09
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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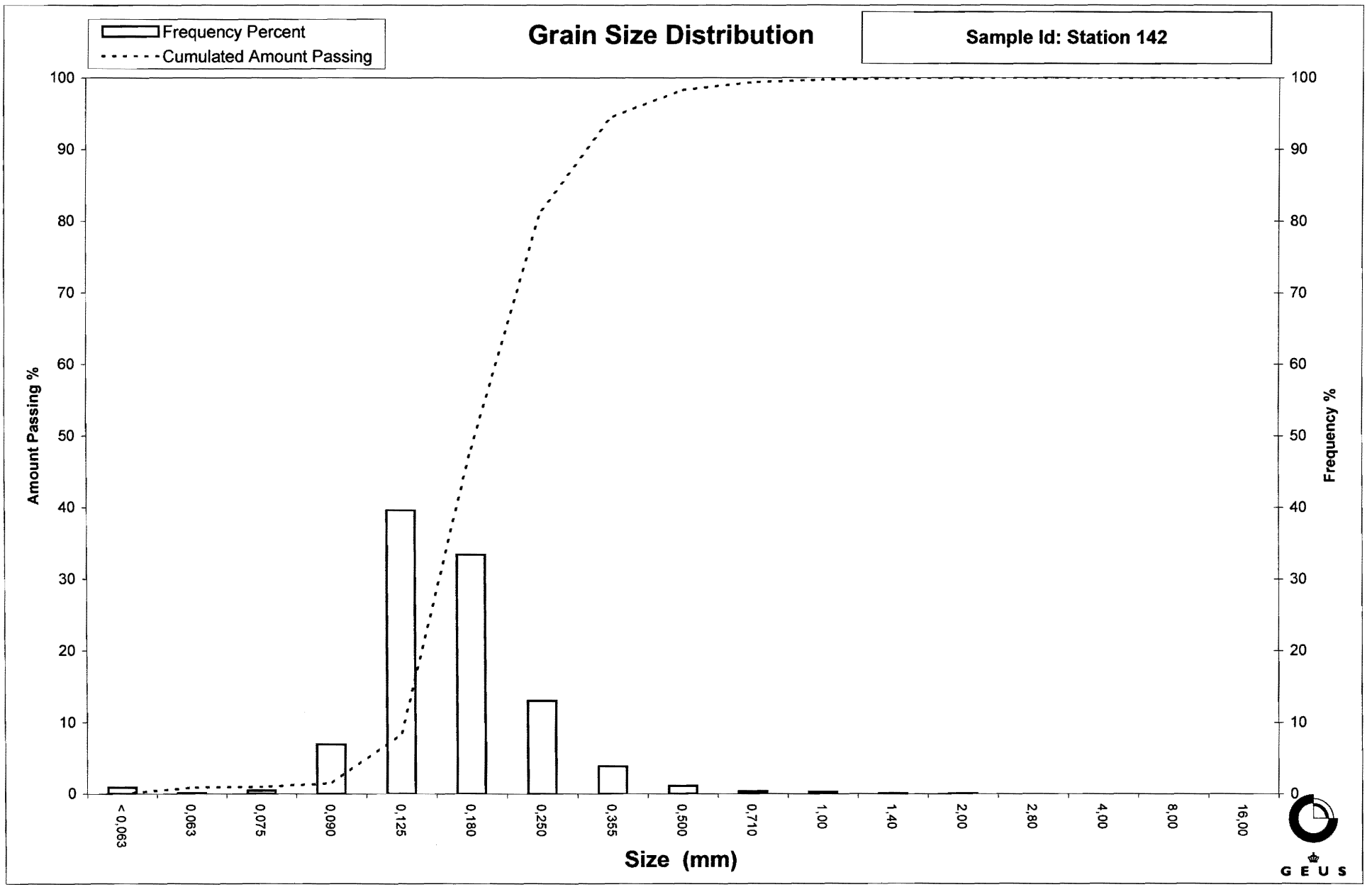
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 142
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 148
Lab. Id: 070048
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 111,99 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,03	0,03	99,97
Sand	1,40	-0,49	0,11	0,10	99,87
	1,00	0,00	0,18	0,16	99,71
	0,710	0,49	0,21	0,19	99,52
	0,500	1,00	1,66	1,48	98,04
	0,355	1,49	11,22	10,02	88,02
	0,250	2,00	45,93	41,02	47,01
	0,180	2,47	44,67	39,89	7,12
	0,125	3,00	6,30	5,63	1,50
	0,090	3,47	0,78	0,70	0,80
	0,075	3,74	0,10	0,09	0,71
	0,063	3,99	0,05	0,04	0,67
	< 0,063	> 3,99	0,75	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):	17,85
Sand, medium	(0,2 mm - 0,6 mm):	80,23
Sand, coarse	(0,6 mm - 2 mm):	1,22
Gravel	(> 2 mm):	0,03
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,46	1,13
16%	84%	0,34	1,54
25%	75%	0,32	1,64
40%	60%	0,28	1,82
Median 50%	50%	0,26	1,96
75%	25%	0,21	2,24
84%	16%	0,20	2,35
90%	10%	0,19	2,43
95%	5%	0,16	2,65

Moments Statistics

Mean	1,95
Sorting	0,43
Skewness	-0,06
Kurtosis	1,03
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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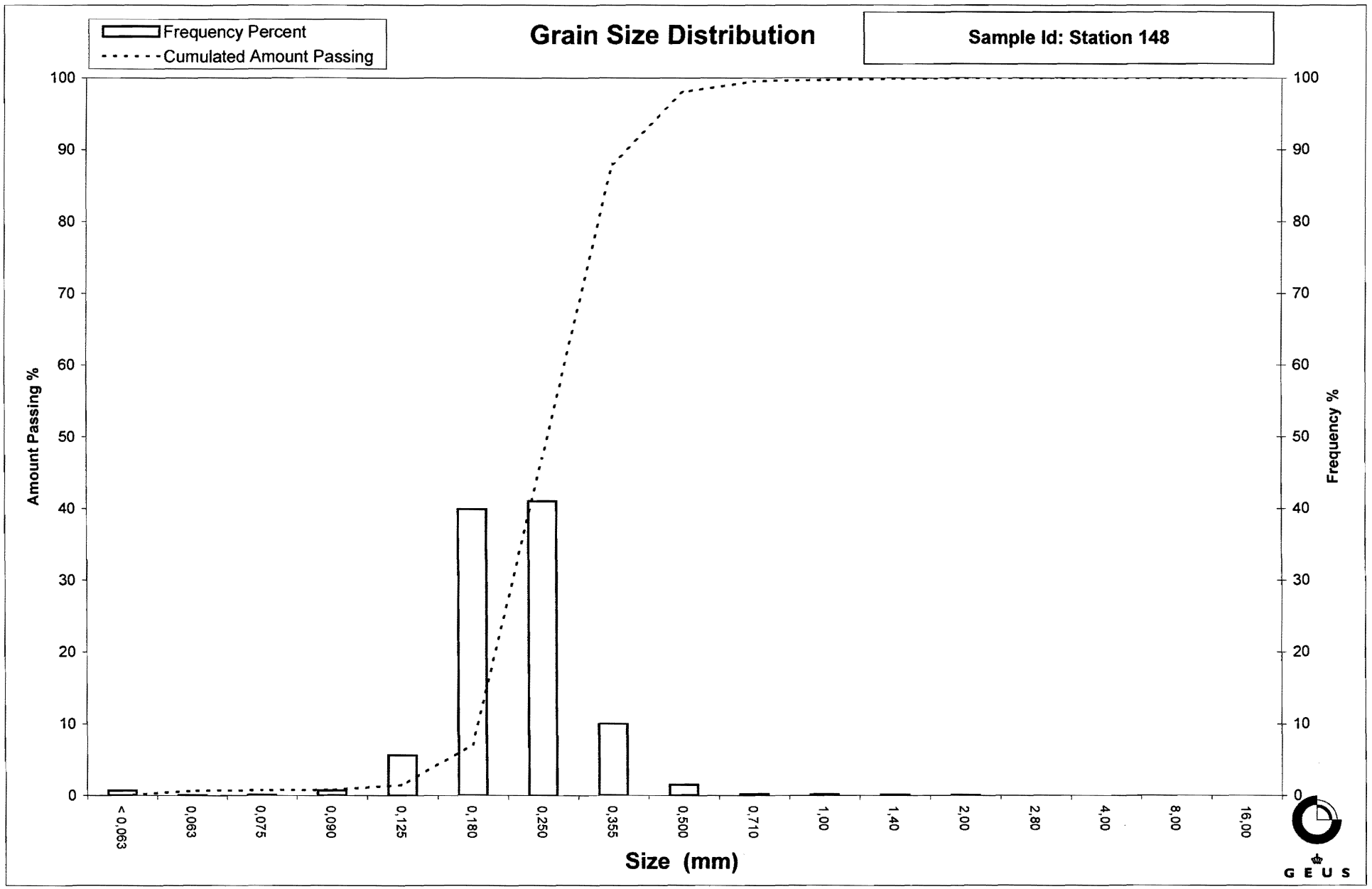
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 148
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 149
Lab. Id: 070049
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 121,13 g

Size Fractions

Sieve Analysis — Gravel / Sand

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	0,08	0,07	99,92
1,00	0,00	0,17	0,14	99,78
0,710	0,49	0,27	0,22	99,55
0,500	1,00	1,39	1,15	98,41
0,355	1,49	9,17	7,57	90,84
0,250	2,00	41,64	34,38	56,46
0,180	2,47	59,21	48,88	7,58
0,125	3,00	7,19	5,94	1,64
0,090	3,47	0,85	0,70	0,94
0,075	3,74	0,09	0,07	0,87
0,063	3,99	0,03	0,02	0,84
< 0,063	> 3,99	1,02	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):	20,70
Sand, medium	(0,2 mm - 0,6 mm):	77,41
Sand, coarse	(0,6 mm - 2 mm):	1,03
Gravel	(> 2 mm):	0,02
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,43	1,20
16%	84%	0,33	1,58
25%	75%	0,31	1,71
40%	60%	0,26	1,94
Median 50%	50%	0,24	2,05
75%	25%	0,20	2,29
84%	16%	0,19	2,38
90%	10%	0,18	2,45
95%	5%	0,16	2,68

Moments Statistics

Mean	2,01
Sorting	0,42
Skewness	-0,17
Kurtosis	1,04
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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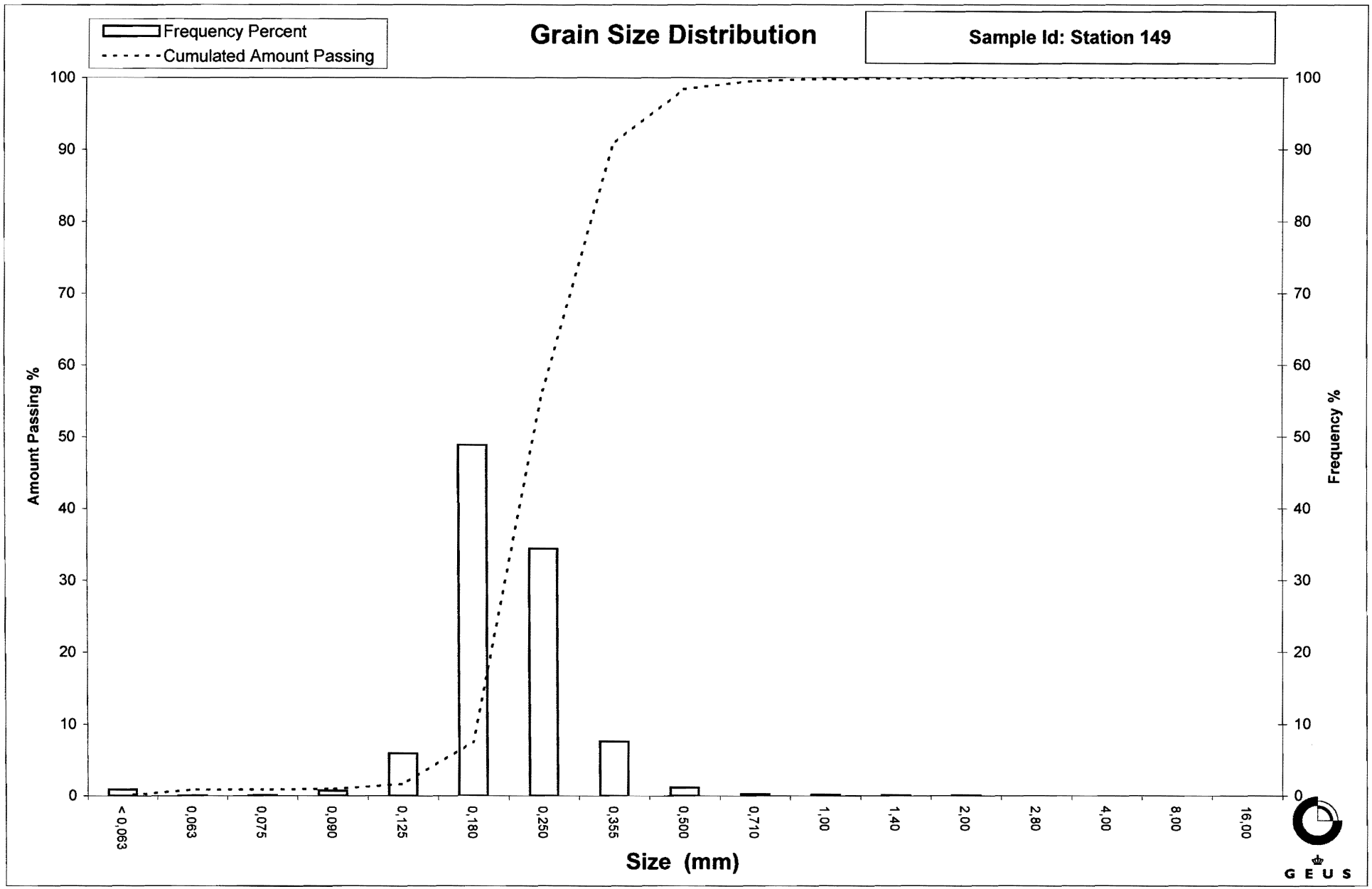
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 149
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 160
Lab. Id: 070050
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 101,61 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,00	0,00	100,00
Sand	1,40	-0,49	0,24	0,24	99,76
	1,00	0,00	0,15	0,15	99,62
	0,710	0,49	0,16	0,16	99,46
	0,500	1,00	0,59	0,58	98,88
	0,355	1,49	2,51	2,47	96,41
	0,250	2,00	12,36	12,16	84,24
	0,180	2,47	58,54	57,61	26,63
	0,125	3,00	25,20	24,80	1,83
	0,090	3,47	1,01	0,99	0,84
	0,075	3,74	0,08	0,08	0,76
	0,063	3,99	0,03	0,03	0,73
	< 0,063	> 3,99	0,74	0,73	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,73
Sand, fine	(0,063 mm - 0,200 mm):	42,36
Sand, medium	(0,2 mm - 0,6 mm):	56,06
Sand, coarse	(0,6 mm - 2 mm):	0,85
Gravel	(> 2 mm):	0,00
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,34	1,54
16%	84%	0,25	2,00
25%	75%	0,24	2,07
40%	60%	0,22	2,18
Median 50%	50%	0,21	2,26
75%	25%	0,18	2,50
84%	16%	0,16	2,68
90%	10%	0,14	2,80
95%	5%	0,13	2,92

Moments Statistics

Mean	2,31
Sorting	0,38
Skewness	0,09
Kurtosis	1,29
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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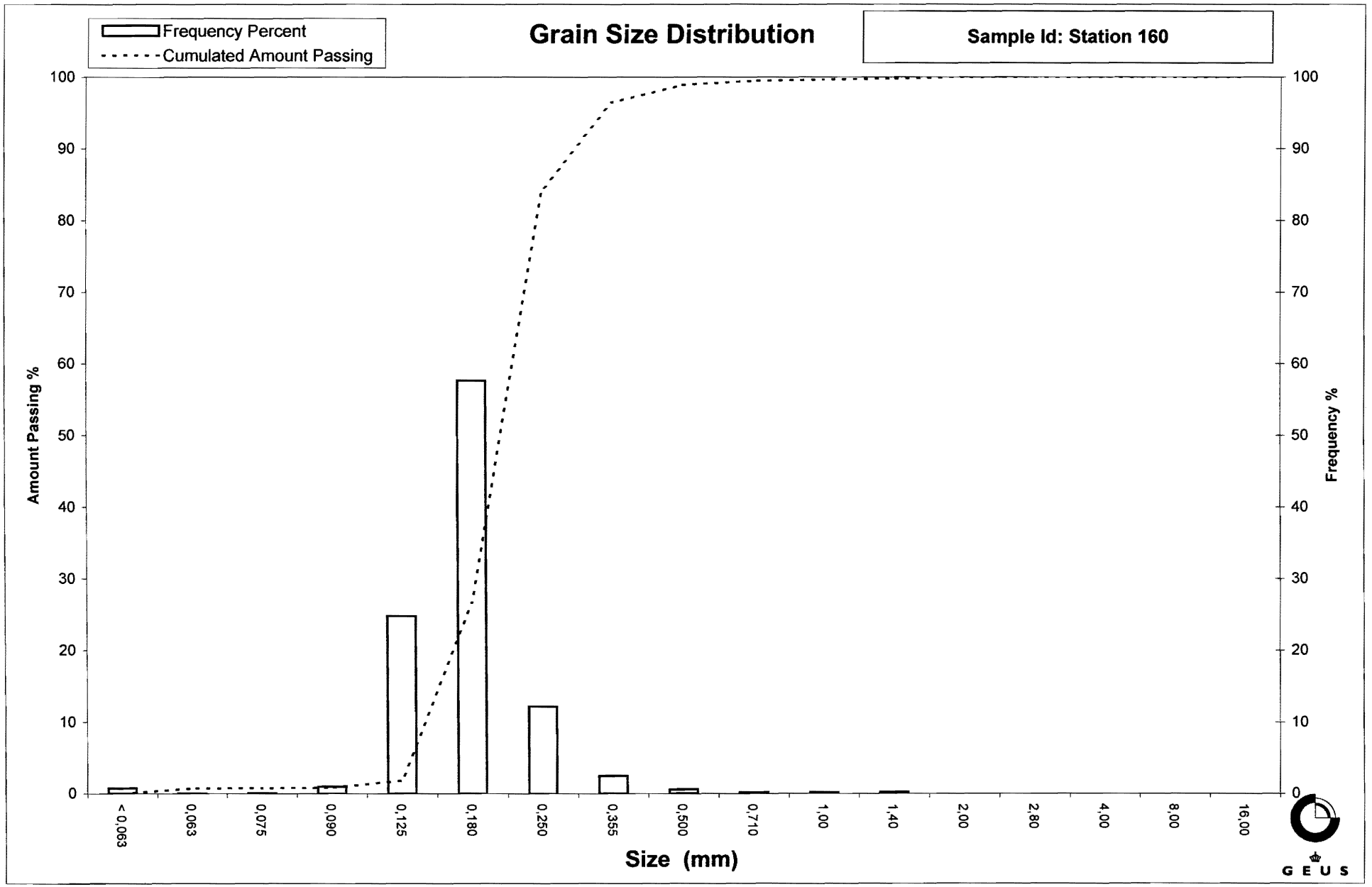
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 160
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 161
Lab. Id: 070051
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 113,63 g

Size Fractions

Sieve Analysis

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
Gravel	8,00	-3,00	0,00	0,00	100,00
Gravel	4,00	-2,00	0,00	0,00	100,00
Gravel	2,80	-1,49	0,40	0,35	99,65
Gravel	2,00	-1,00	0,08	0,07	99,58
Sand	1,40	-0,49	0,07	0,06	99,52
Sand	1,00	0,00	0,09	0,08	99,44
Sand	0,710	0,49	0,32	0,28	99,16
Sand	0,500	1,00	1,56	1,37	97,78
Sand	0,355	1,49	7,98	7,02	90,76
Sand	0,250	2,00	29,88	26,30	64,46
Sand	0,180	2,47	54,07	47,58	16,88
Sand	0,125	3,00	17,37	15,29	1,59
Sand	0,090	3,47	0,75	0,66	0,93
Sand	0,075	3,74	0,08	0,07	0,86
Sand	0,063	3,99	0,06	0,05	0,81
	< 0,063	> 3,99	0,92	0,81	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,81
Sand, fine	(0,063 mm - 0,200 mm):	29,67
Sand, medium	(0,2 mm - 0,6 mm):	67,96
Sand, coarse	(0,6 mm - 2 mm):	1,14
Gravel	(> 2 mm):	0,42
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,44	1,18
16%	84%	0,33	1,61
25%	75%	0,29	1,78
40%	60%	0,24	2,04
Median 50%	50%	0,23	2,13
75%	25%	0,19	2,38
84%	16%	0,18	2,50
90%	10%	0,16	2,69
95%	5%	0,14	2,87

Moments Statistics

Mean	2,08
Sorting	0,48
Skewness	-0,15
Kurtosis	1,14
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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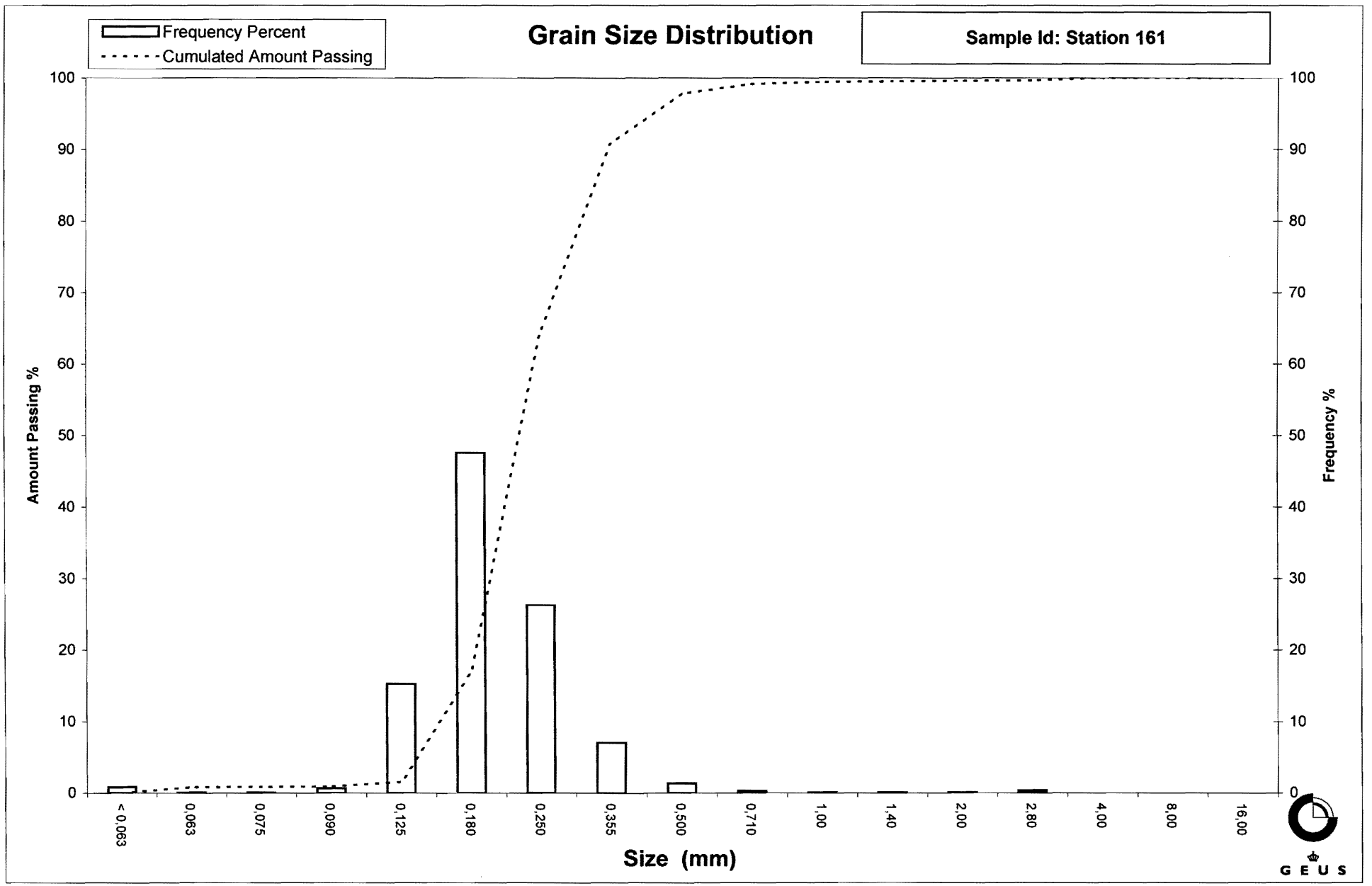
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 161
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 167
Lab. Id: 070052
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

Total Weight 117 g

Size Fractions

Sieve Analysis

	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	1,62	1,38	98,62
	2,80	-1,49	0,41	0,35	98,26
	2,00	-1,00	0,32	0,27	97,99
Sand	1,40	-0,49	0,29	0,25	97,74
	1,00	0,00	0,35	0,30	97,44
	0,710	0,49	0,58	0,50	96,95
	0,500	1,00	1,25	1,07	95,88
	0,355	1,49	3,42	2,92	92,96
	0,250	2,00	11,43	9,77	83,19
	0,180	2,47	41,28	35,28	47,91
	0,125	3,00	50,54	43,20	4,71
	0,090	3,47	3,79	3,24	1,47
	0,075	3,74	0,31	0,26	1,21
	0,063	3,99	0,09	0,08	1,13
	< 0,063	> 3,99	1,32	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):	56,86
Sand, medium	(0,2 mm - 0,6 mm):	38,40
Sand, coarse	(0,6 mm - 2 mm):	1,60
Gravel	(> 2 mm):	2,01
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,46	1,13
16%	84%	0,26	1,95
25%	75%	0,23	2,10
40%	60%	0,20	2,29
Median 50%	50%	0,18	2,44
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	2,41
Sorting	0,51
Skewness	-0,25
Kurtosis	1,21
Uniformity Coefficient	1,55

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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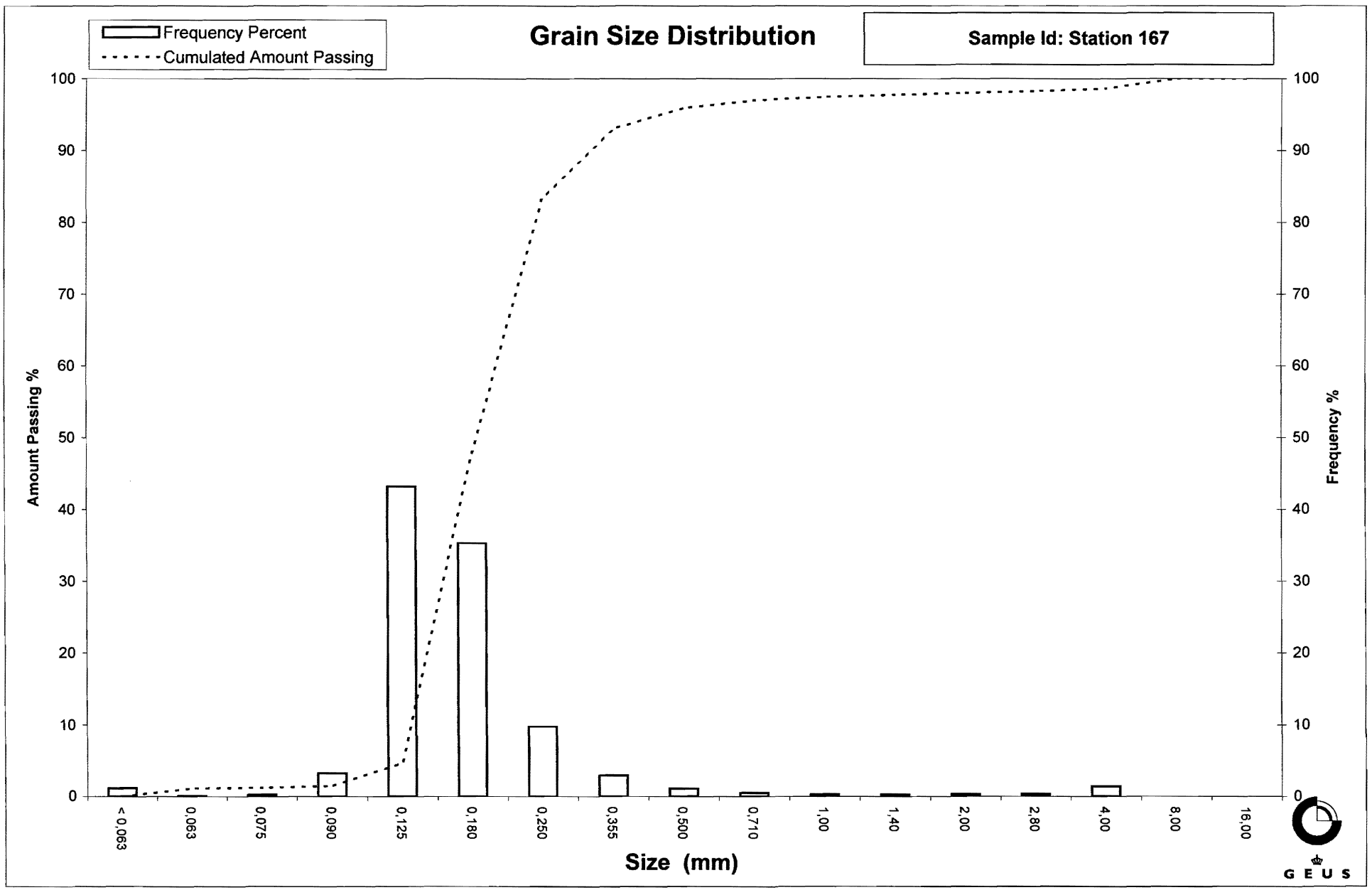
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 167
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 168
Lab. Id: 070053
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 124,44 g

Size Fractions

Sieve Analysis

	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	6,92	5,56	94,44
	2,80	-1,49	0,44	0,35	94,09
	2,00	-1,00	0,42	0,34	93,75
Sand	1,40	-0,49	0,37	0,30	93,45
	1,00	0,00	0,32	0,26	93,19
	0,710	0,49	0,53	0,43	92,77
	0,500	1,00	1,35	1,08	91,68
	0,355	1,49	3,92	3,15	88,53
	0,250	2,00	11,03	8,86	79,67
	0,180	2,47	32,85	26,40	53,27
	0,125	3,00	57,01	45,81	7,46
	0,090	3,47	7,82	6,28	1,17
	0,075	3,74	0,39	0,31	0,86
	0,063	3,99	0,07	0,06	0,80
	< 0,063	> 3,99	1,00	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):	60,01
Sand, medium	(0,2 mm - 0,6 mm):	31,39
Sand, coarse	(0,6 mm - 2 mm):	1,55
Gravel	(> 2 mm):	6,25
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	4,40	-2,14
16%	84%	0,30	1,73
25%	75%	0,24	2,07
40%	60%	0,20	2,34
Median 50%	50%	0,18	2,51
75%	25%	0,15	2,78
84%	16%	0,14	2,89
90%	10%	0,13	2,97
95%	5%	0,11	3,17

Moments Statistics

Mean	2,37
Sorting	1,09
Skewness	-0,55
Kurtosis	3,10
Uniformity Coefficient	1,55

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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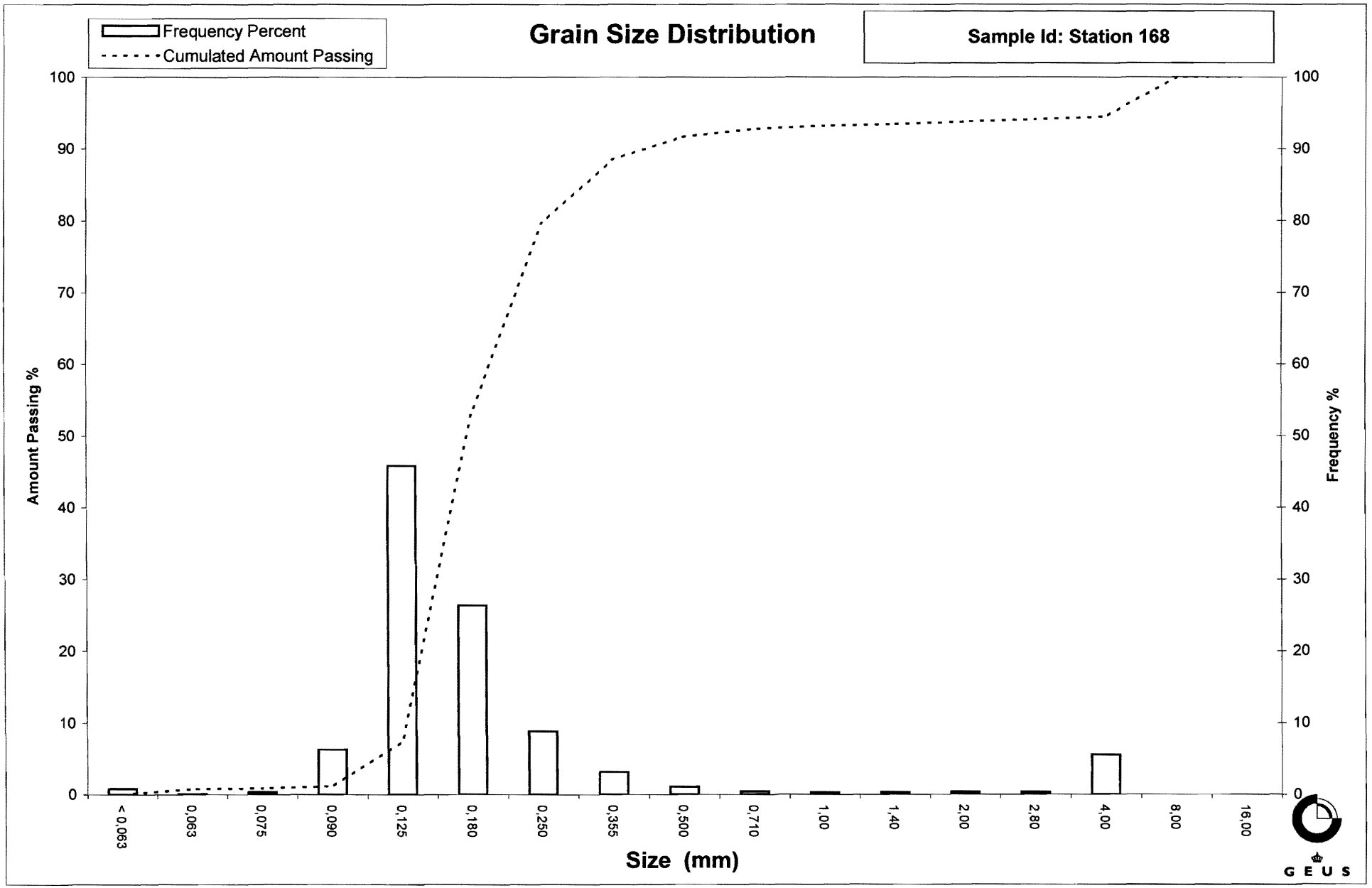
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 168
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 179
Lab. Id: 070054
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

Total Weight 110,46 g

Size Fractions

Sieve Analysis

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
Gravel	8,00	-3,00	0,00	0,00	100,00
Gravel	4,00	-2,00	0,45	0,41	99,59
Gravel	2,80	-1,49	0,69	0,62	98,97
Gravel	2,00	-1,00	0,59	0,53	98,43
Sand	1,40	-0,49	0,47	0,43	98,01
Sand	1,00	0,00	0,45	0,41	97,60
Sand	0,710	0,49	0,53	0,48	97,12
Sand	0,500	1,00	0,93	0,84	96,28
Sand	0,355	1,49	2,63	2,38	93,90
Sand	0,250	2,00	10,21	9,24	84,66
Sand	0,180	2,47	41,31	37,40	47,26
Sand	0,125	3,00	46,54	42,13	5,12
Sand	0,090	3,47	4,21	3,81	1,31
Sand	0,075	3,74	0,21	0,19	1,12
Sand	0,063	3,99	0,05	0,05	1,08
	< 0,063	> 3,99	1,19	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):	56,86
Sand, medium	(0,2 mm - 0,6 mm):	38,74
Sand, coarse	(0,6 mm - 2 mm):	1,75
Gravel	(> 2 mm):	1,57
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,42	1,24
16%	84%	0,25	2,01
25%	75%	0,23	2,11
40%	60%	0,20	2,29
Median 50%	50%	0,19	2,43
75%	25%	0,15	2,73
84%	16%	0,14	2,84
90%	10%	0,13	2,93
95%	5%	0,12	3,01

Moments Statistics

Mean	2,43
Sorting	0,48
Skewness	-0,18
Kurtosis	1,17
Uniformity Coefficient	1,55

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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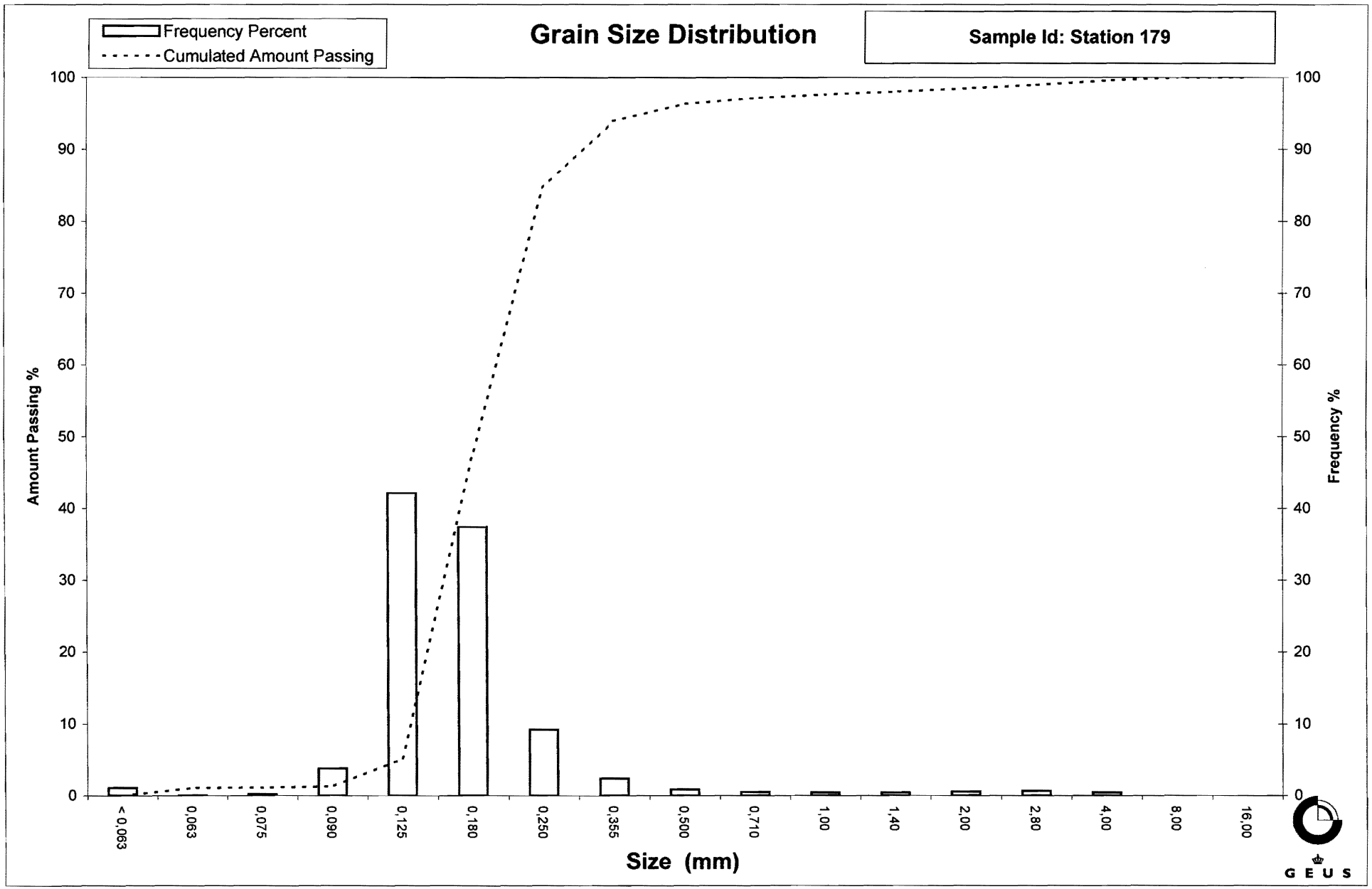
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 179
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 180
Lab. Id: 070055
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 127,03 g

Size Fractions

Sieve Analysis

	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	2,21	1,74	98,26
	2,80	-1,49	0,91	0,72	97,54
	2,00	-1,00	0,73	0,57	96,97
Sand	1,40	-0,49	0,56	0,44	96,53
	1,00	0,00	0,54	0,43	96,10
	0,710	0,49	0,71	0,56	95,54
	0,500	1,00	1,21	0,95	94,59
	0,355	1,49	3,28	2,58	92,01
	0,250	2,00	12,40	9,76	82,25
	0,180	2,47	42,81	33,70	48,55
	0,125	3,00	53,09	41,79	6,75
	0,090	3,47	6,71	5,28	1,47
	0,075	3,74	0,36	0,28	1,19
	0,063	3,99	0,10	0,08	1,11
	< 0,063	> 3,99	1,41	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):	57,07
Sand, medium	(0,2 mm - 0,6 mm):	36,87
Sand, coarse	(0,6 mm - 2 mm):	1,92
Gravel	(> 2 mm):	3,03
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,59	0,76
16%	84%	0,27	1,90
25%	75%	0,23	2,09
40%	60%	0,20	2,29
Median 50%	50%	0,18	2,45
75%	25%	0,15	2,75
84%	16%	0,14	2,87
90%	10%	0,13	2,95
95%	5%	0,11	3,14

Moments Statistics

Mean	2,40
Sorting	0,60
Skewness	-0,28
Kurtosis	1,48
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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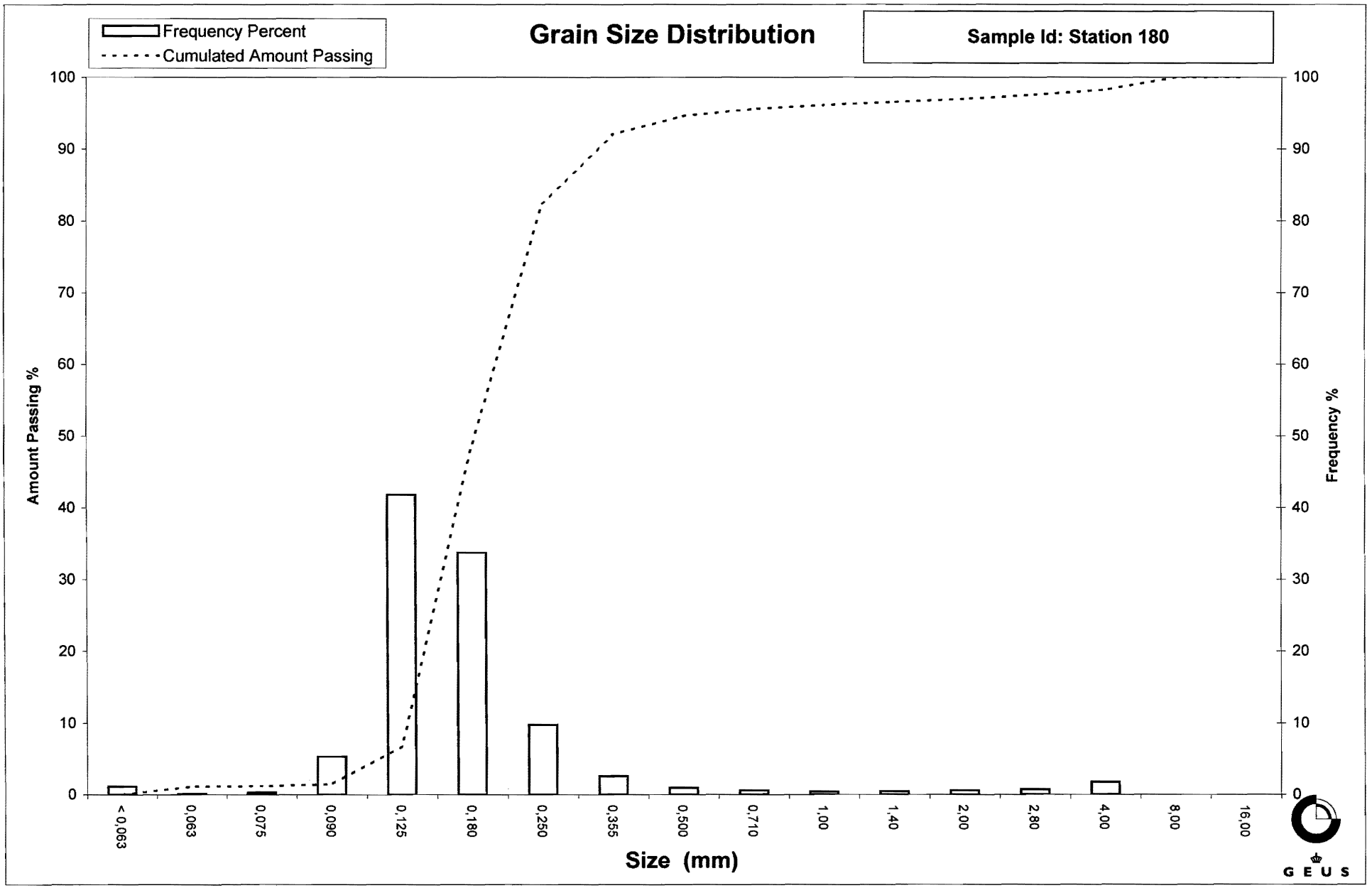
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 180
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 186
Lab. Id: 070056
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 135,89 g

Size Fractions

Sieve Analysis

	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	1,02	0,75	99,25
	2,80	-1,49	0,78	0,57	98,68
	2,00	-1,00	0,49	0,36	98,31
Sand	1,40	-0,49	0,76	0,56	97,76
	1,00	0,00	0,91	0,67	97,09
	0,710	0,49	1,55	1,14	95,95
	0,500	1,00	1,85	1,36	94,58
	0,355	1,49	3,68	2,71	91,88
	0,250	2,00	7,80	5,74	86,14
	0,180	2,47	32,85	24,17	61,96
	0,125	3,00	66,28	48,77	13,19
	0,090	3,47	14,88	10,95	2,24
	0,075	3,74	1,28	0,94	1,30
	0,063	3,99	0,50	0,37	0,93
	< 0,063	> 3,99	1,26	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):	67,94
Sand, medium	(0,2 mm - 0,6 mm):	26,36
Sand, coarse	(0,6 mm - 2 mm):	3,08
Gravel	(> 2 mm):	1,69
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,56	0,83
16%	84%	0,24	2,04
25%	75%	0,22	2,20
40%	60%	0,18	2,49
Median 50%	50%	0,17	2,59
75%	25%	0,14	2,85
84%	16%	0,13	2,96
90%	10%	0,11	3,12
95%	5%	0,10	3,34

Moments Statistics

Mean	2,53
Sorting	0,61
Skewness	-0,29
Kurtosis	1,57
Uniformity Coefficient	1,55

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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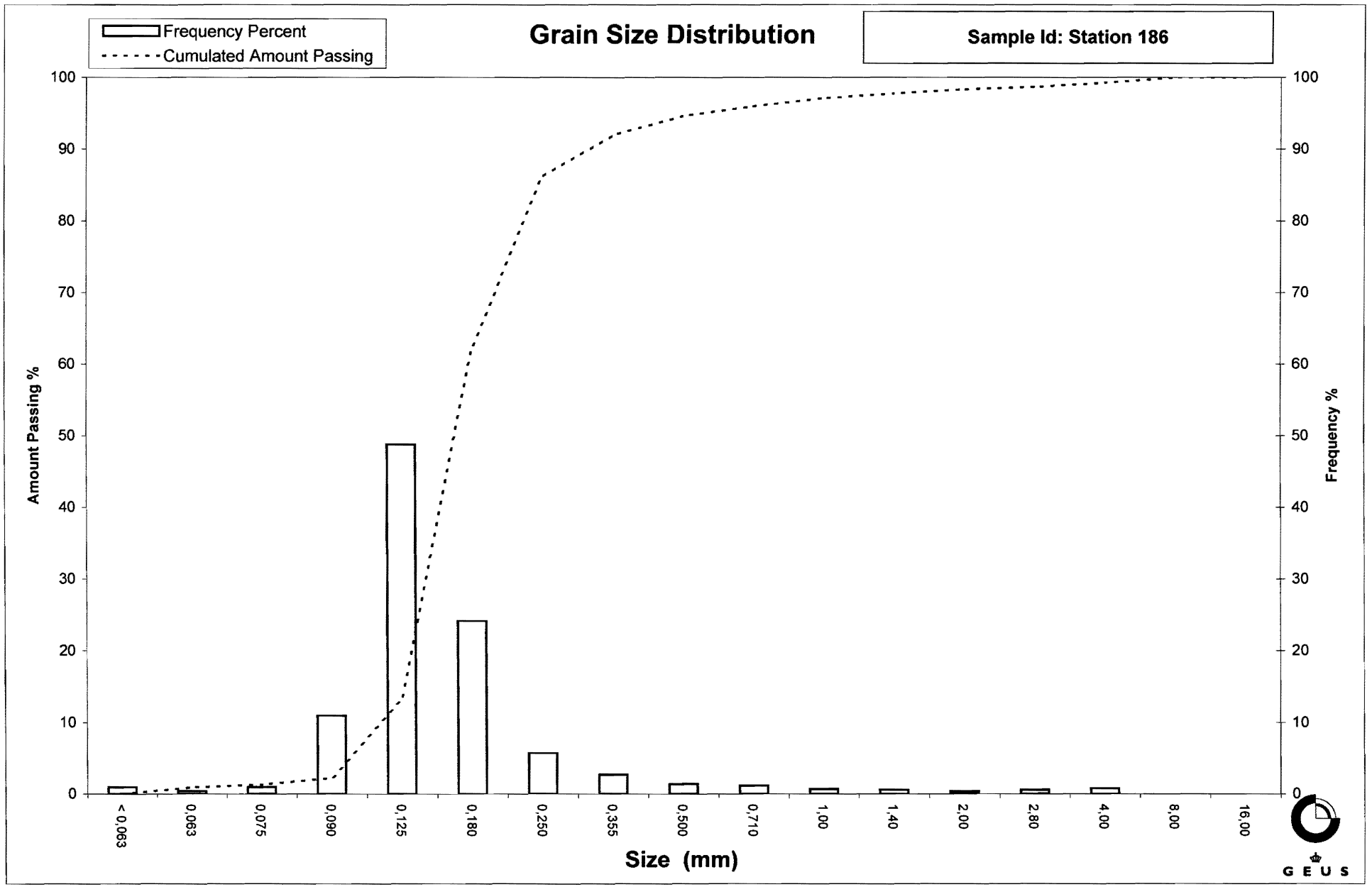
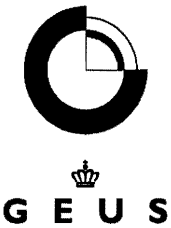

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 186
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 187
Lab. Id: 070057
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm



Total Weight 119,09 g

Size Fractions

Sieve Analysis

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
Gravel	8,00	-3,00	0,00	0,00	100,00
Gravel	4,00	-2,00	0,06	0,05	99,95
Gravel	2,80	-1,49	0,15	0,13	99,82
Gravel	2,00	-1,00	0,19	0,16	99,66
Sand	1,40	-0,49	0,20	0,17	99,50
Sand	1,00	0,00	0,41	0,34	99,15
Sand	0,710	0,49	0,73	0,61	98,54
Sand	0,500	1,00	1,50	1,26	97,28
Sand	0,355	1,49	3,45	2,90	94,38
Sand	0,250	2,00	6,94	5,83	88,55
Sand	0,180	2,47	28,18	23,66	64,89
Sand	0,125	3,00	60,87	51,11	13,78
Sand	0,090	3,47	13,38	11,24	2,54
Sand	0,075	3,74	0,82	0,69	1,86
Sand	0,063	3,99	0,16	0,13	1,72
	< 0,063	> 3,99	2,05	1,72	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	1,72
Sand, fine	(0,063 mm - 0,200 mm):	69,93
Sand, medium	(0,2 mm - 0,6 mm):	26,23
Sand, coarse	(0,6 mm - 2 mm):	1,78
Gravel	(> 2 mm):	0,34
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,39	1,37
16%	84%	0,24	2,08
25%	75%	0,21	2,25
40%	60%	0,17	2,52
Median 50%	50%	0,16	2,61
75%	25%	0,14	2,87
84%	16%	0,13	2,97
90%	10%	0,11	3,14
95%	5%	0,10	3,36

Moments Statistics

Mean	2,55
Sorting	0,52
Skewness	-0,21
Kurtosis	1,32
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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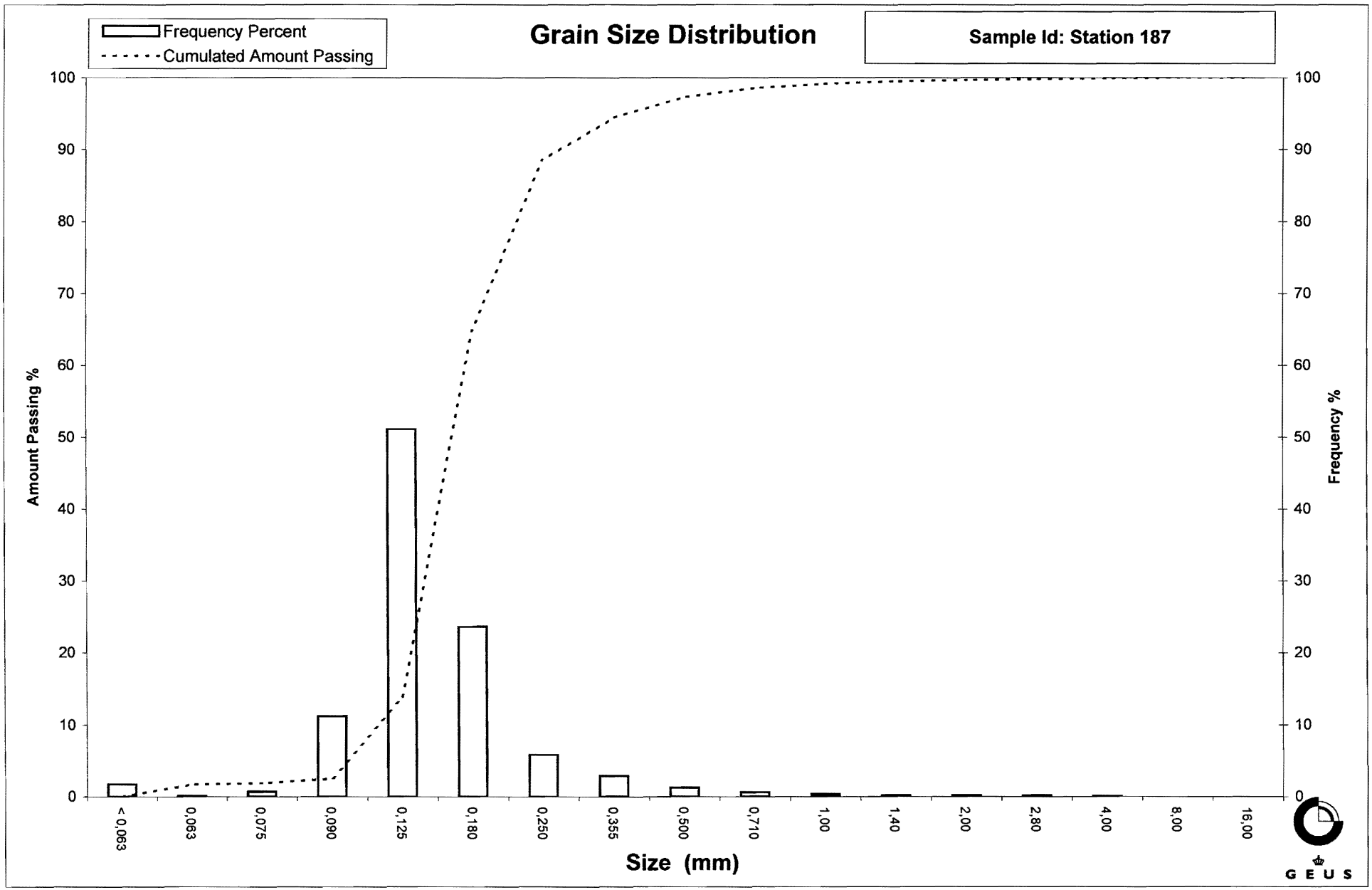
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 187
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 198
Lab. Id: 070058
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 130,05 g

Size Fractions

Sieve Analysis

	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	0,77	0,59	99,41
	2,80	-1,49	0,35	0,27	99,14
	2,00	-1,00	0,32	0,25	98,89
Sand	1,40	-0,49	0,31	0,24	98,65
	1,00	0,00	0,34	0,26	98,39
	0,710	0,49	0,88	0,68	97,72
	0,500	1,00	3,97	3,05	94,66
	0,355	1,49	24,69	18,99	75,68
	0,250	2,00	50,45	38,79	36,89
	0,180	2,47	34,98	26,90	9,99
	0,125	3,00	10,65	8,19	1,80
	0,090	3,47	1,13	0,87	0,93
	0,075	3,74	0,11	0,08	0,85
	0,063	3,99	0,07	0,05	0,79
	< 0,063	> 3,99	1,03	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):	16,88
Sand, medium	(0,2 mm - 0,6 mm):	78,44
Sand, coarse	(0,6 mm - 2 mm):	2,78
Gravel	(> 2 mm):	1,11
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,52	0,93
16%	84%	0,42	1,26
25%	75%	0,35	1,50
40%	60%	0,31	1,68
Median 50%	50%	0,29	1,81
75%	25%	0,22	2,19
84%	16%	0,20	2,35
90%	10%	0,18	2,47
95%	5%	0,15	2,77

Moments Statistics

Mean	1,81
Sorting	0,55
Skewness	0,02
Kurtosis	1,09
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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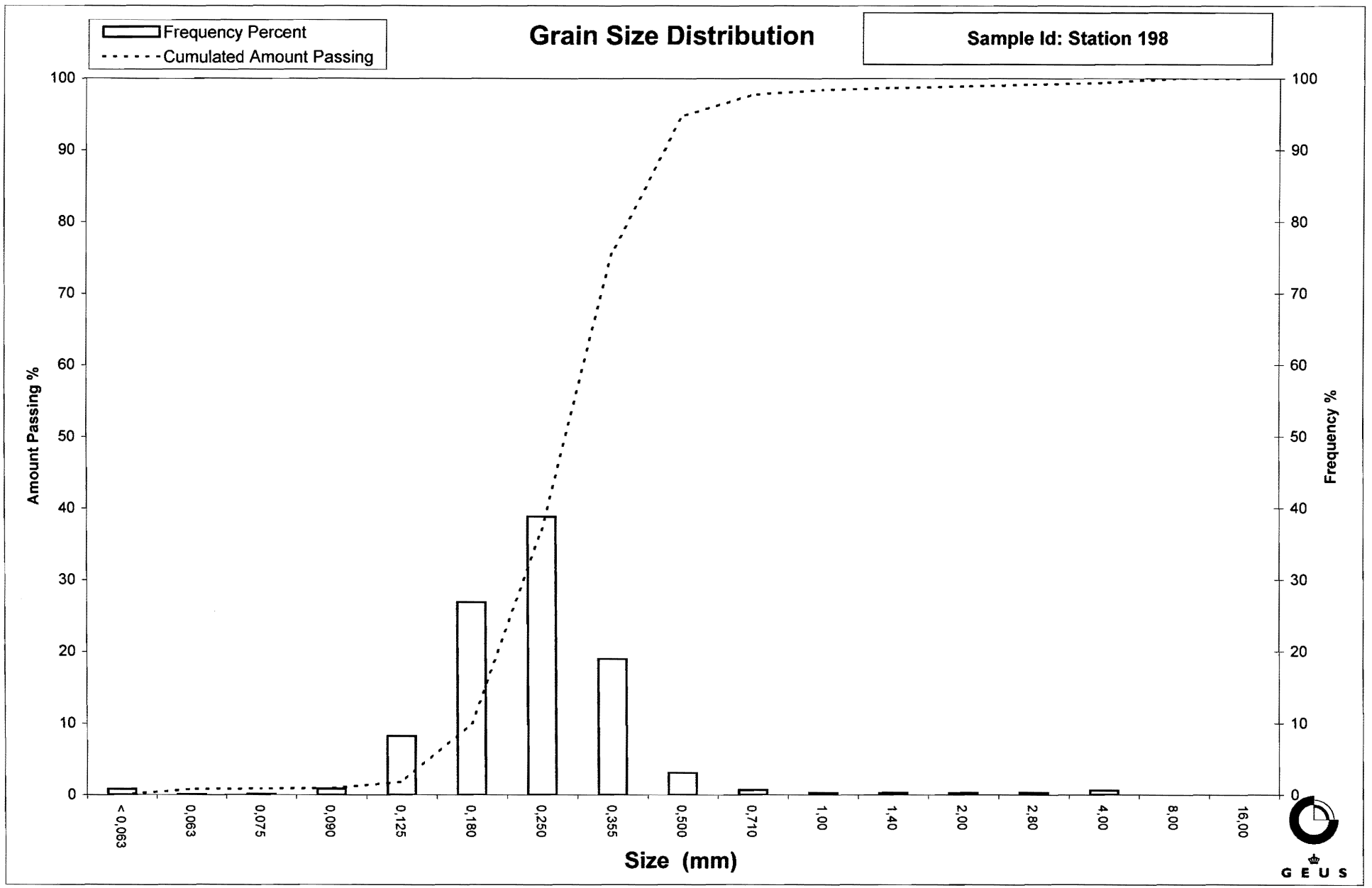
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 198
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 199
Lab. Id: 070059
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 124,48 g

Size Fractions

Sieve Analysis

	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	0,16	0,13	99,87
	2,80	-1,49	0,63	0,51	99,37
	2,00	-1,00	0,29	0,23	99,13
Sand	1,40	-0,49	0,24	0,19	98,94
	1,00	0,00	0,44	0,35	98,59
	0,710	0,49	1,26	1,01	97,57
	0,500	1,00	3,57	2,87	94,71
	0,355	1,49	18,66	14,99	79,72
	0,250	2,00	42,03	33,76	45,95
	0,180	2,47	39,96	32,10	13,85
	0,125	3,00	15,03	12,07	1,78
	0,090	3,47	1,16	0,93	0,84
	0,075	3,74	0,14	0,11	0,73
	0,063	3,99	0,04	0,03	0,70
	< 0,063	> 3,99	0,87	0,70	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,70
Sand, fine	(0,063 mm - 0,200 mm):	22,32
Sand, medium	(0,2 mm - 0,6 mm):	73,05
Sand, coarse	(0,6 mm - 2 mm):	3,06
Gravel	(> 2 mm):	0,87
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,52	0,94
16%	84%	0,40	1,33
25%	75%	0,34	1,55
40%	60%	0,29	1,77
Median 50%	50%	0,26	1,93
75%	25%	0,20	2,29
84%	16%	0,18	2,44
90%	10%	0,16	2,62
95%	5%	0,14	2,84

Moments Statistics

Mean	1,90
Sorting	0,56
Skewness	-0,06
Kurtosis	1,06
Uniformity Coefficient	1,81

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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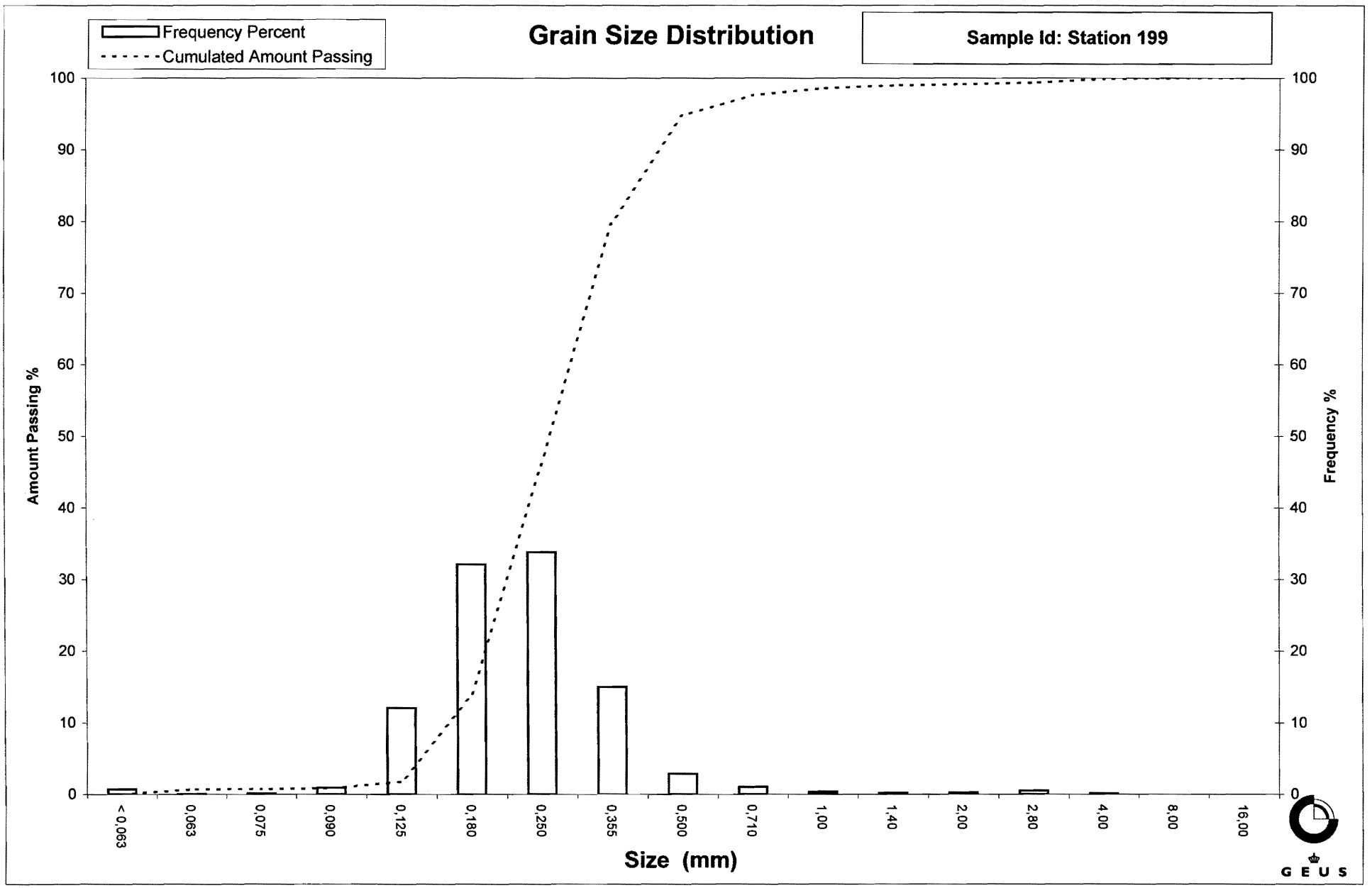
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 199
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 205
Lab. Id: 070060
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 111,37 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,24	0,22	99,78
	2,00	-1,00	0,17	0,15	99,63
Sand	1,40	-0,49	0,19	0,17	99,46
	1,00	0,00	0,33	0,30	99,16
	0,710	0,49	0,64	0,57	98,59
	0,500	1,00	1,30	1,17	97,42
	0,355	1,49	2,91	2,61	94,81
	0,250	2,00	7,95	7,14	87,67
	0,180	2,47	34,19	30,70	56,97
	0,125	3,00	54,81	49,21	7,76
	0,090	3,47	7,48	6,72	1,04
	0,075	3,74	0,51	0,46	0,58
	0,063	3,99	0,11	0,10	0,48
	< 0,063	> 3,99	0,54	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):	65,26
Sand, medium	(0,2 mm - 0,6 mm):	32,24
Sand, coarse	(0,6 mm - 2 mm):	1,65
Gravel	(> 2 mm):	0,37
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,37	1,45
16%	84%	0,24	2,05
25%	75%	0,22	2,18
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	3,18

Moments Statistics

Mean	2,49
Sorting	0,47
Skewness	-0,21
Kurtosis	1,15
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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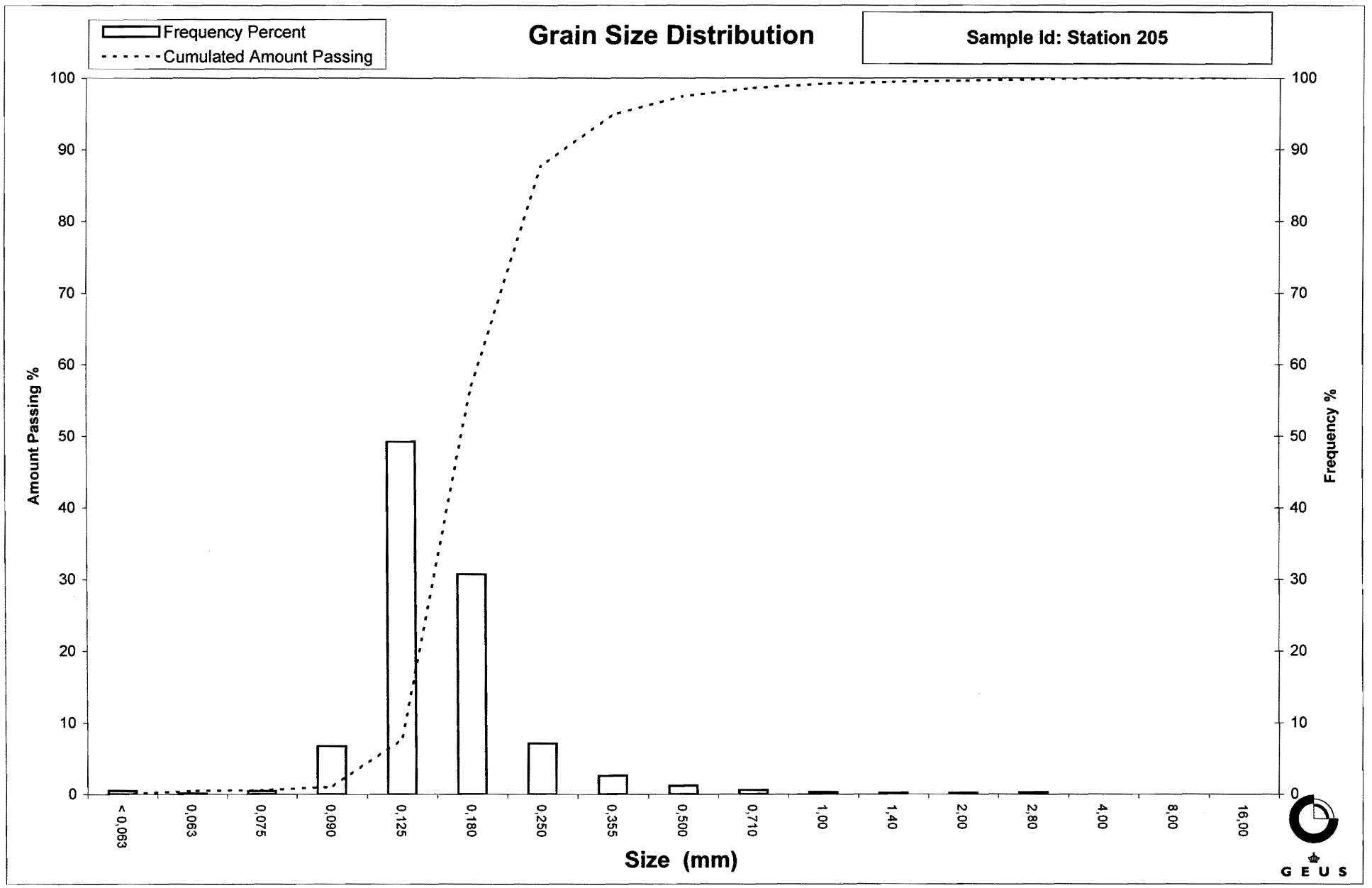
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 205
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 206
Lab. Id: 070061
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 115,64 g

Size Fractions

Sieve Analysis

	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	0,41	0,35	99,65
	2,80	-1,49	0,12	0,10	99,54
	2,00	-1,00	0,15	0,13	99,41
Sand	1,40	-0,49	0,26	0,22	99,19
	1,00	0,00	0,38	0,33	98,86
	0,710	0,49	0,74	0,64	98,22
	0,500	1,00	1,25	1,08	97,14
	0,355	1,49	2,72	2,35	94,79
	0,250	2,00	7,89	6,82	87,96
	0,180	2,47	35,94	31,08	56,88
	0,125	3,00	56,68	49,01	7,87
	0,090	3,47	7,53	6,51	1,36
	0,075	3,74	0,68	0,59	0,77
	0,063	3,99	0,16	0,14	0,63
	< 0,063	> 3,99	0,73	0,63	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,63
Sand, fine	(0,063 mm - 0,200 mm):	65,13
Sand, medium	(0,2 mm - 0,6 mm):	31,89
Sand, coarse	(0,6 mm - 2 mm):	1,76
Gravel	(> 2 mm):	0,59
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,37	1,44
16%	84%	0,24	2,05
25%	75%	0,22	2,18
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	2,50
Sorting	0,48
Skewness	-0,20
Kurtosis	1,17
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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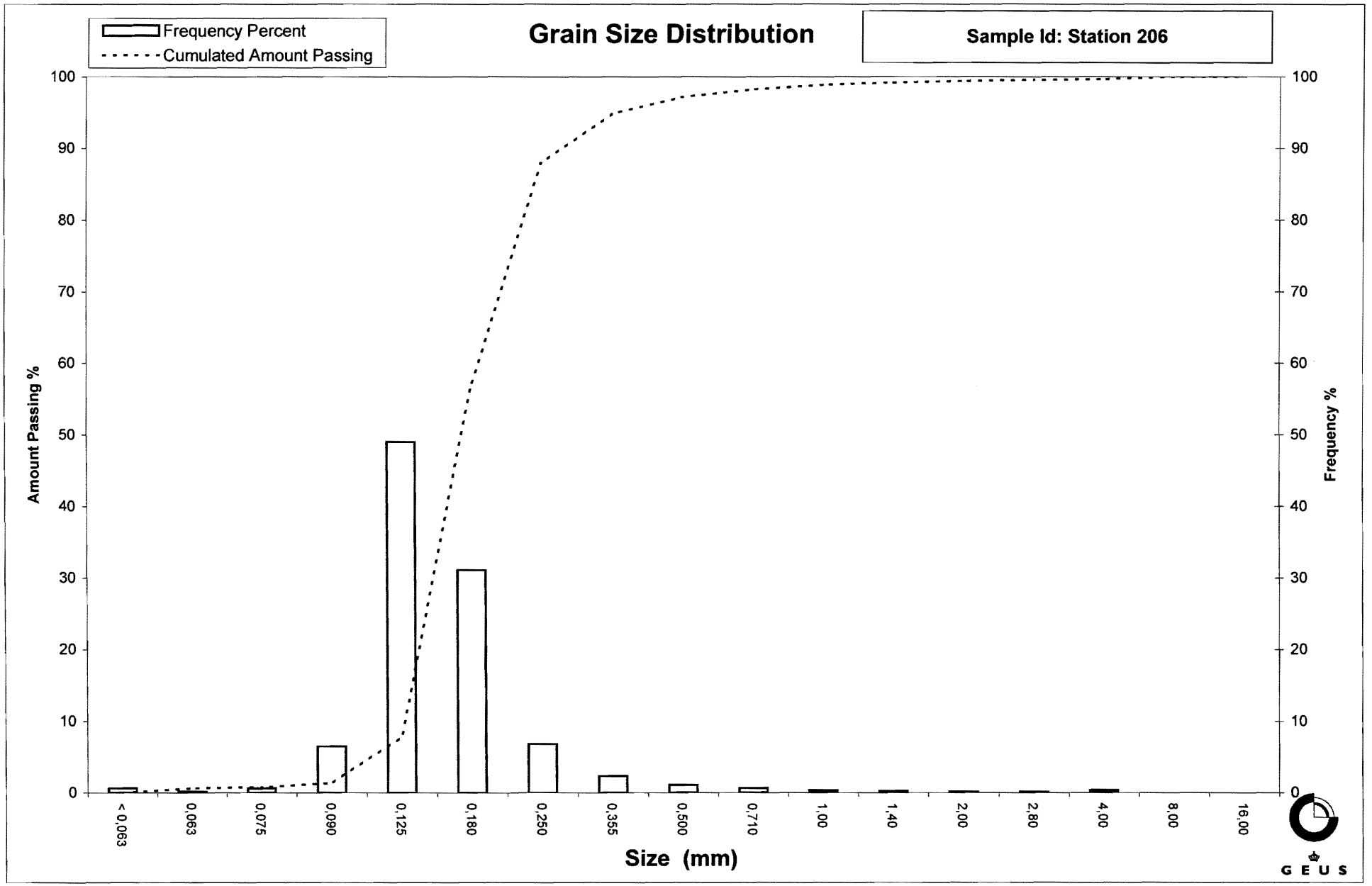
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 206
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 227
Lab. Id: 070062
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm

GEUS

Total Weight 243,85 g

Size Fractions

Sieve Analysis

	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	6,69	2,74	97,26
	4,00	-2,00	1,72	0,71	96,55
	2,80	-1,49	7,87	3,23	93,32
	2,00	-1,00	41,45	17,00	76,33
Sand	1,40	-0,49	87,02	35,69	40,64
	1,00	0,00	56,43	23,14	17,50
	0,710	0,49	19,99	8,20	9,30
	0,500	1,00	8,99	3,69	5,61
	0,355	1,49	5,74	2,35	3,26
	0,250	2,00	4,09	1,68	1,58
	0,180	2,47	2,37	0,97	0,61
	0,125	3,00	0,72	0,30	0,32
	0,090	3,47	0,30	0,12	0,19
	0,075	3,74	0,09	0,04	0,16
	0,063	3,99	0,03	0,01	0,14
	< 0,063	> 3,99	0,35	0,14	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,14
Sand, fine	(0,063 mm - 0,200 mm):	0,75
Sand, medium	(0,2 mm - 0,6 mm):	6,48
Sand, coarse	(0,6 mm - 2 mm):	68,96
Gravel	(> 2 mm):	23,67
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	3,42	-1,78
16%	84%	2,36	-1,24
25%	75%	1,98	-0,98
40%	60%	1,73	-0,79
Median 50%	50%	1,56	-0,64
75%	25%	1,13	-0,18
84%	16%	0,95	0,08
90%	10%	0,73	0,44
95%	5%	0,46	1,11

Moments Statistics

Mean	-0,60
Sorting	0,77
Skewness	0,15
Kurtosis	1,47
Uniformity Coefficient	2,35

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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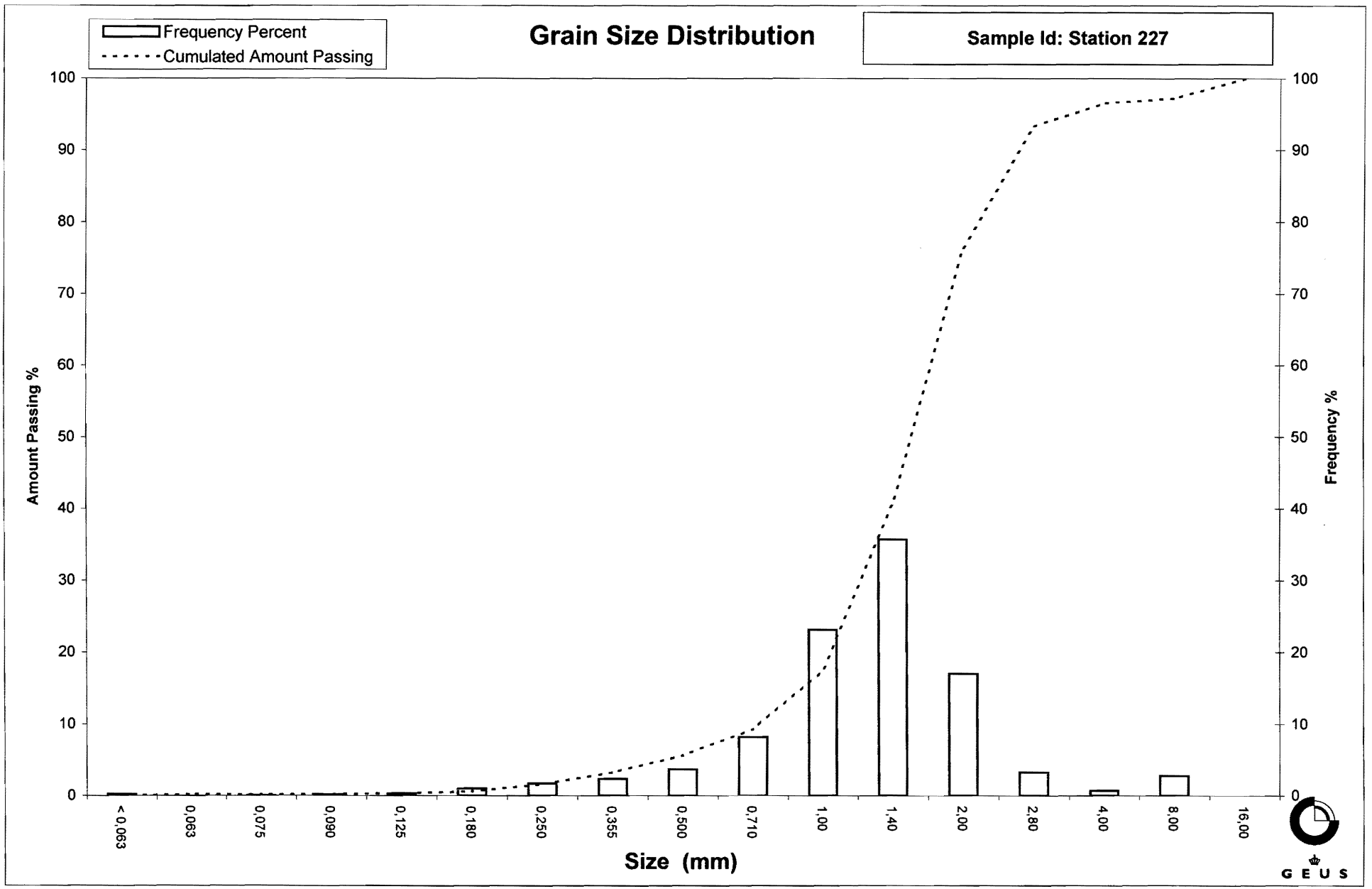
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 227
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 228
Lab. Id: 070063
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm

GEUS

Total Weight 216,74 g

Size Fractions

Sieve Analysis

	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	2,57	1,19	98,81
	2,80	-1,49	17,41	8,03	90,78
	2,00	-1,00	57,01	26,30	64,48
Sand	1,40	-0,49	79,26	36,57	27,91
	1,00	0,00	35,97	16,60	11,31
	0,710	0,49	9,82	4,53	6,78
	0,500	1,00	4,38	2,02	4,76
	0,355	1,49	2,87	1,32	3,44
	0,250	2,00	2,82	1,30	2,14
	0,180	2,47	2,34	1,08	1,06
	0,125	3,00	1,02	0,47	0,59
	0,090	3,47	0,20	0,09	0,49
	0,075	3,74	0,04	0,02	0,48
	0,063	3,99	0,02	0,01	0,47
	< 0,063	> 3,99	1,01	0,47	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,47
Sand, fine	(0,063 mm - 0,200 mm):	0,90
Sand, medium	(0,2 mm - 0,6 mm):	4,36
Sand, coarse	(0,6 mm - 2 mm):	58,75
Gravel	(> 2 mm):	35,52
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	3,43	-1,78
16%	84%	2,59	-1,38
25%	75%	2,32	-1,21
40%	60%	1,93	-0,95
Median 50%	50%	1,76	-0,82
75%	25%	1,33	-0,41
84%	16%	1,11	-0,15
90%	10%	0,92	0,13
95%	5%	0,52	0,93

Moments Statistics

Mean	-0,78
Sorting	0,72
Skewness	0,19
Kurtosis	1,38
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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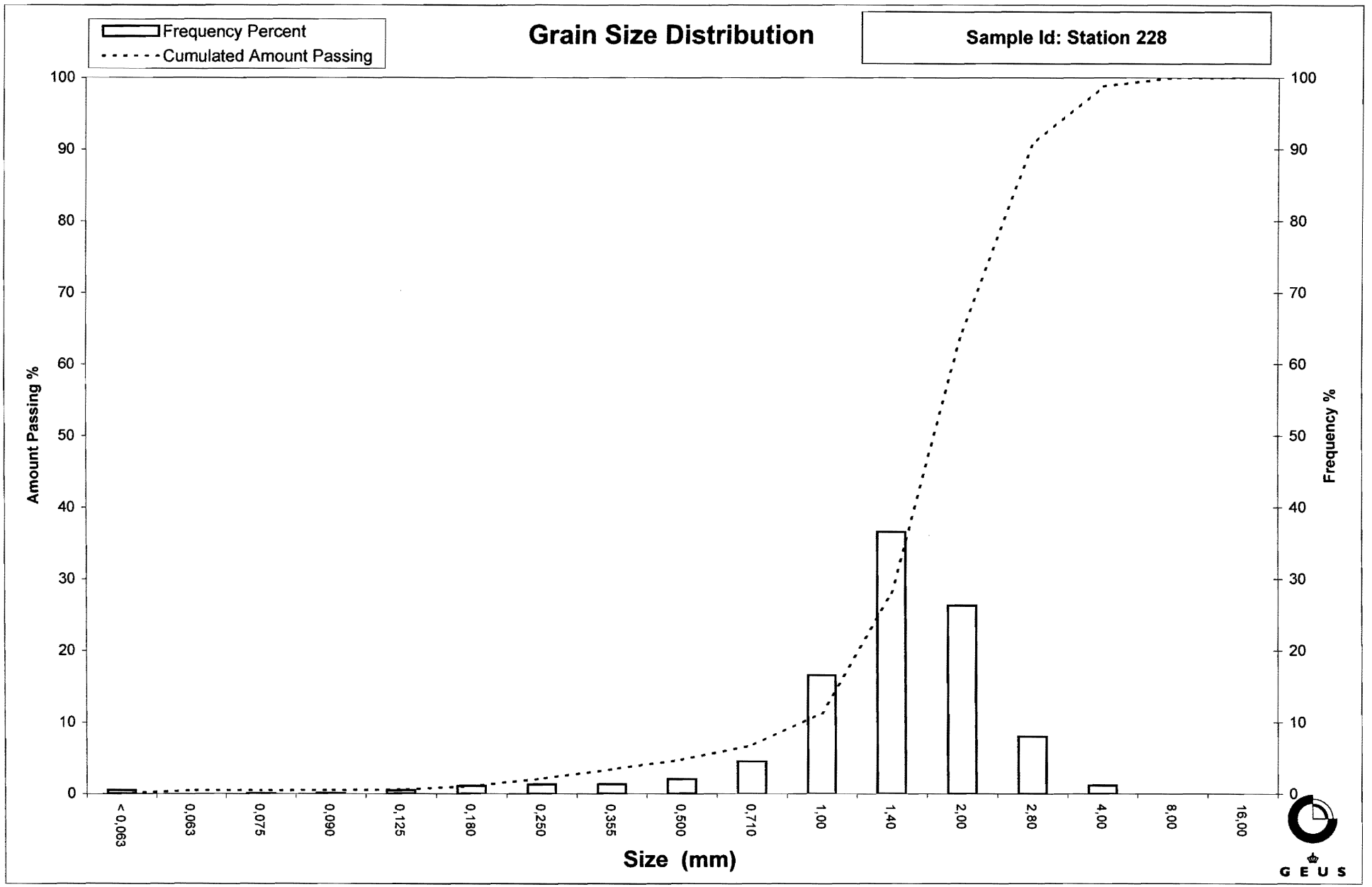
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 228
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 239
Lab. Id: 070064
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm

G E U S

Total Weight 212,06 g

Size Fractions

Sieve Analysis

	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	0,72	0,34	99,66
	2,80	-1,49	0,41	0,19	99,47
	2,00	-1,00	0,73	0,34	99,12
Sand	1,40	-0,49	2,11	1,00	98,13
	1,00	0,00	6,92	3,26	94,86
	0,710	0,49	37,28	17,58	77,28
	0,500	1,00	80,58	38,00	39,29
	0,355	1,49	42,09	19,85	19,44
	0,250	2,00	29,53	13,93	5,51
	0,180	2,47	8,49	4,00	1,51
	0,125	3,00	1,74	0,82	0,69
	0,090	3,47	0,31	0,15	0,54
	0,075	3,74	0,09	0,04	0,50
	0,063	3,99	0,03	0,01	0,49
	< 0,063	> 3,99	1,03	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):	2,17
Sand, medium	(0,2 mm - 0,6 mm):	54,73
Sand, coarse	(0,6 mm - 2 mm):	41,74
Gravel	(> 2 mm):	0,88
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	1,02	-0,02
16%	84%	0,82	0,28
25%	75%	0,70	0,52
40%	60%	0,61	0,70
Median 50%	50%	0,56	0,84
75%	25%	0,40	1,34
84%	16%	0,33	1,60
90%	10%	0,28	1,82
95%	5%	0,24	2,05

Moments Statistics

Mean	0,91
Sorting	0,64
Skewness	0,16
Kurtosis	1,04
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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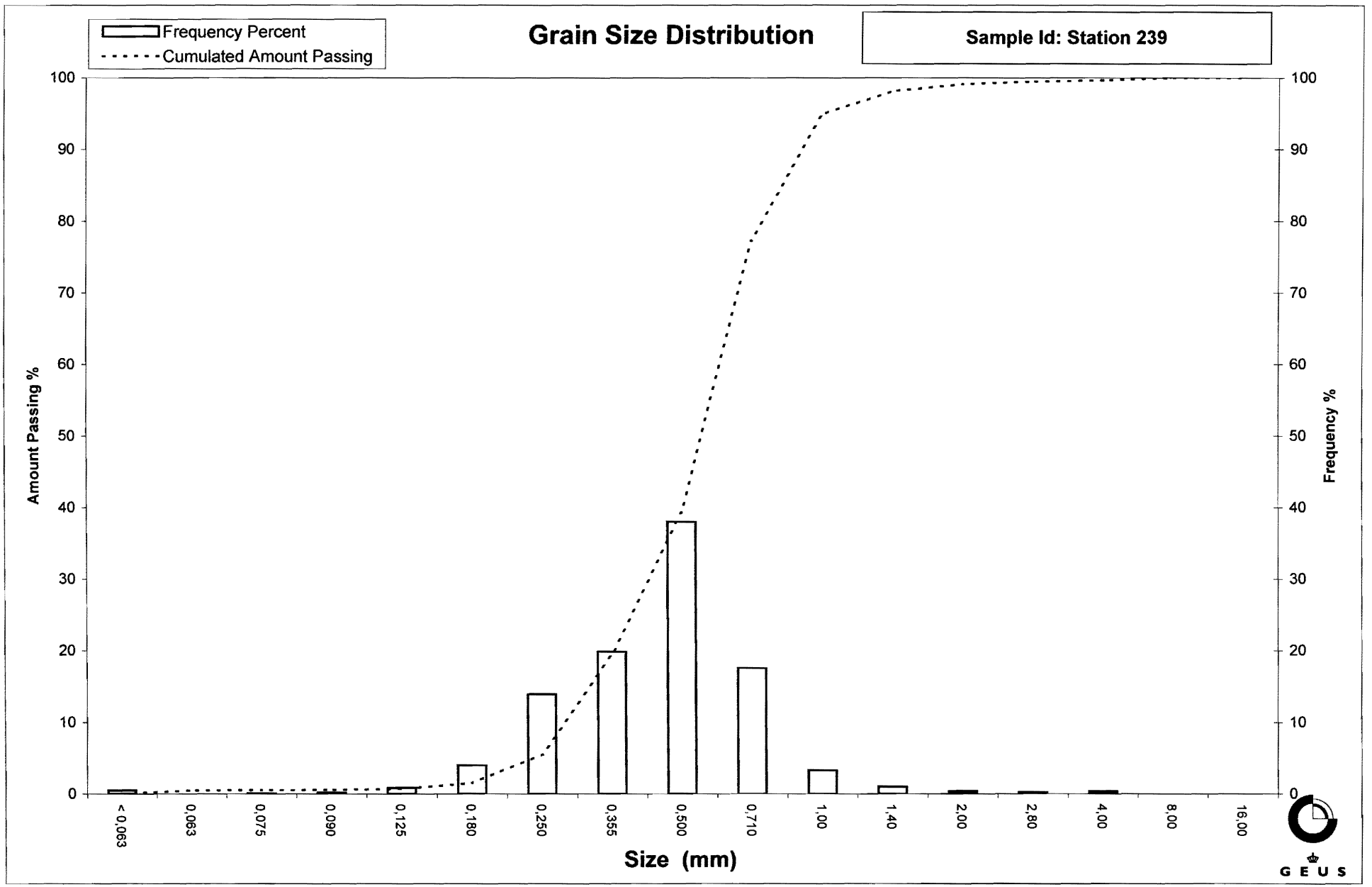
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 239
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 240
Lab. Id: 070065
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm

G E U S

Total Weight 207,64 g

Size Fractions

Sieve Analysis

	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	0,69	0,33	99,67
	2,80	-1,49	0,65	0,31	99,35
	2,00	-1,00	1,69	0,81	98,54
Sand	1,40	-0,49	3,25	1,57	96,98
	1,00	0,00	7,94	3,82	93,15
	0,710	0,49	31,23	15,04	78,11
	0,500	1,00	77,94	37,54	40,58
	0,355	1,49	45,95	22,13	18,45
	0,250	2,00	27,65	13,32	5,13
	0,180	2,47	6,82	3,28	1,84
	0,125	3,00	1,45	0,70	1,15
	0,090	3,47	0,22	0,11	1,04
	0,075	3,74	0,04	0,02	1,02
	0,063	3,99	0,02	0,01	1,01
	< 0,063	> 3,99	2,10	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):	1,77
Sand, medium	(0,2 mm - 0,6 mm):	55,67
Sand, coarse	(0,6 mm - 2 mm):	40,09
Gravel	(> 2 mm):	1,46
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	1,19	-0,26
16%	84%	0,82	0,28
25%	75%	0,69	0,53
40%	60%	0,61	0,72
Median 50%	50%	0,55	0,86
75%	25%	0,40	1,33
84%	16%	0,34	1,57
90%	10%	0,29	1,79
95%	5%	0,25	2,02

Moments Statistics

Mean	0,90
Sorting	0,67
Skewness	0,07
Kurtosis	1,16
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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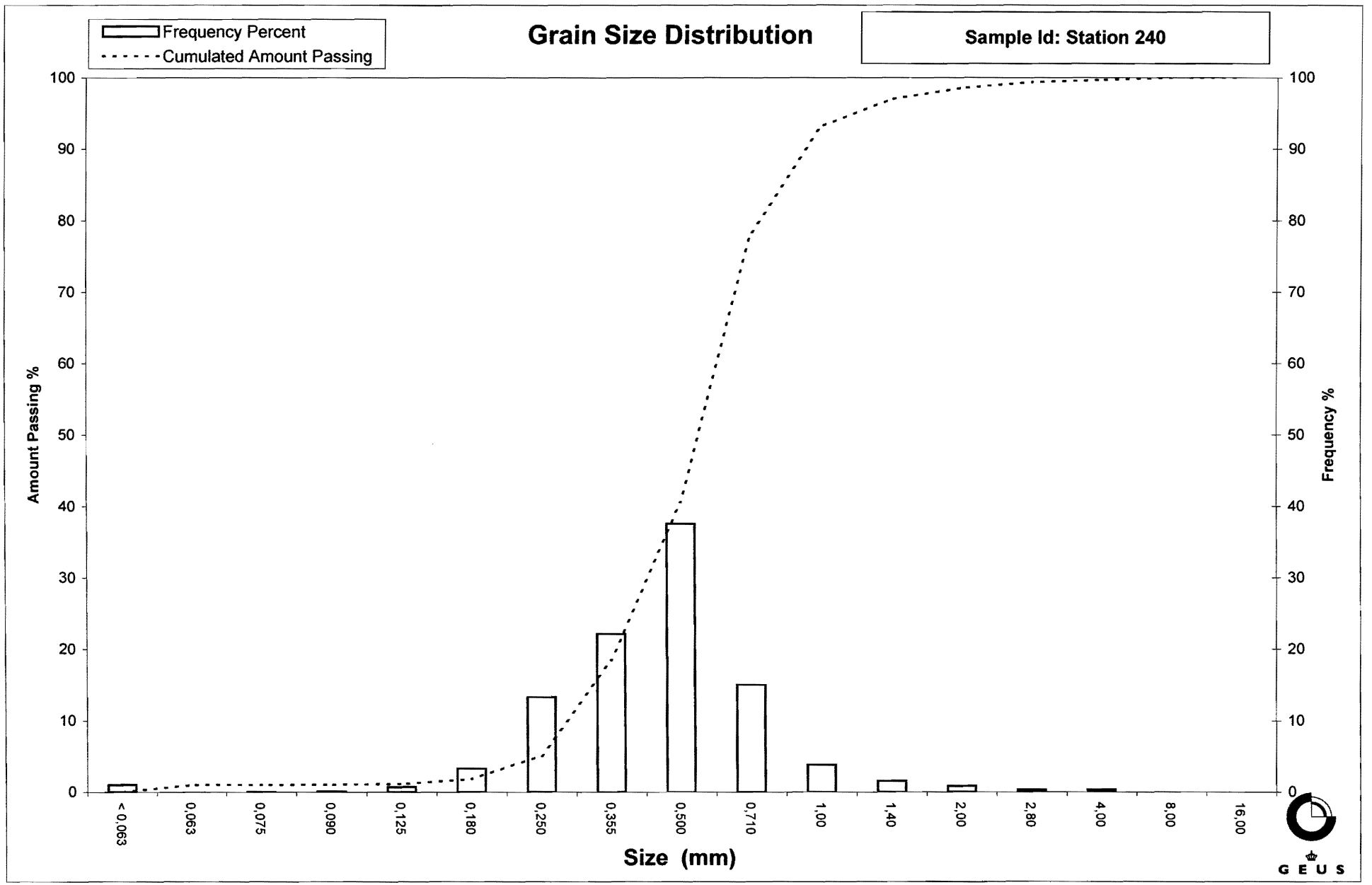
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 240
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 241
Lab. Id: 070066
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm

GEUS

Total Weight 200,97 g

Size Fractions

Sieve Analysis

	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	1,32	0,66	99,34
	4,00	-2,00	0,31	0,15	99,19
	2,80	-1,49	0,49	0,24	98,95
	2,00	-1,00	0,65	0,32	98,62
Sand	1,40	-0,49	1,36	0,68	97,94
	1,00	0,00	3,15	1,57	96,38
	0,710	0,49	12,93	6,43	89,94
	0,500	1,00	64,97	32,33	57,62
	0,355	1,49	62,96	31,33	26,29
	0,250	2,00	39,33	19,57	6,72
	0,180	2,47	9,33	4,64	2,07
	0,125	3,00	2,89	1,44	0,64
	0,090	3,47	0,66	0,33	0,31
	0,075	3,74	0,09	0,04	0,26
	0,063	3,99	0,04	0,02	0,24
	< 0,063	> 3,99	0,49	0,24	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,24
Sand, fine	(0,063 mm - 0,200 mm):	3,16
Sand, medium	(0,2 mm - 0,6 mm):	69,61
Sand, coarse	(0,6 mm - 2 mm):	25,61
Gravel	(> 2 mm):	1,38
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	0,94	0,09
16%	84%	0,67	0,57
25%	75%	0,61	0,71
40%	60%	0,52	0,96
Median 50%	50%	0,46	1,11
75%	25%	0,35	1,52
84%	16%	0,30	1,74
90%	10%	0,27	1,90
95%	5%	0,22	2,16

Moments Statistics

Mean	1,14
Sorting	0,60
Skewness	0,05
Kurtosis	1,04
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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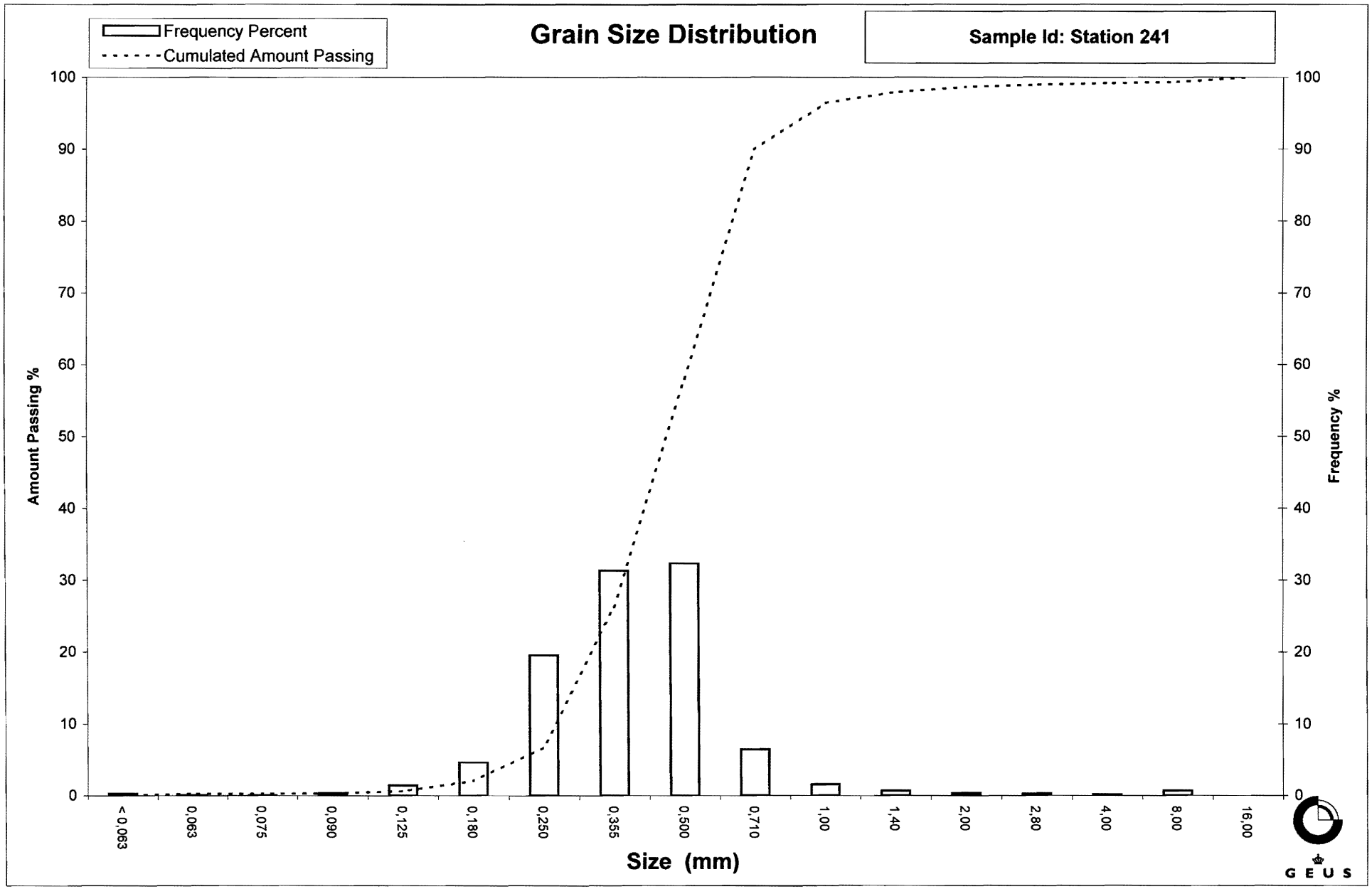
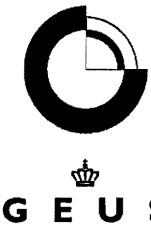

Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 241
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 242
Lab. Id: 070067
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm



Total Weight 202,1 g

Size Fractions

Sieve Analysis — Gravel / Sand

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	0,42	0,21	99,79
2,80	-1,49	0,49	0,24	99,55
2,00	-1,00	0,94	0,47	99,08
1,40	-0,49	1,45	0,72	98,37
1,00	0,00	3,92	1,94	96,43
0,710	0,49	13,45	6,66	89,77
0,500	1,00	65,49	32,40	57,37
0,355	1,49	63,45	31,40	25,97
0,250	2,00	38,49	19,05	6,93
0,180	2,47	9,94	4,92	2,01
0,125	3,00	2,79	1,38	0,63
0,090	3,47	0,69	0,34	0,29
0,075	3,74	0,16	0,08	0,21
0,063	3,99	0,05	0,02	0,18
< 0,063	> 3,99	0,37	0,18	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,18
Sand, fine	(0,063 mm - 0,200 mm):	3,23
Sand, medium	(0,2 mm - 0,6 mm):	69,38
Sand, coarse	(0,6 mm - 2 mm):	26,29
Gravel	(> 2 mm):	0,92
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,94	0,09
16%	84%	0,67	0,57
25%	75%	0,61	0,70
40%	60%	0,52	0,95
Median 50%	50%	0,47	1,10
75%	25%	0,35	1,52
84%	16%	0,30	1,74
90%	10%	0,27	1,91
95%	5%	0,22	2,17

Moments Statistics

Mean	1,14
Sorting	0,61
Skewness	0,06
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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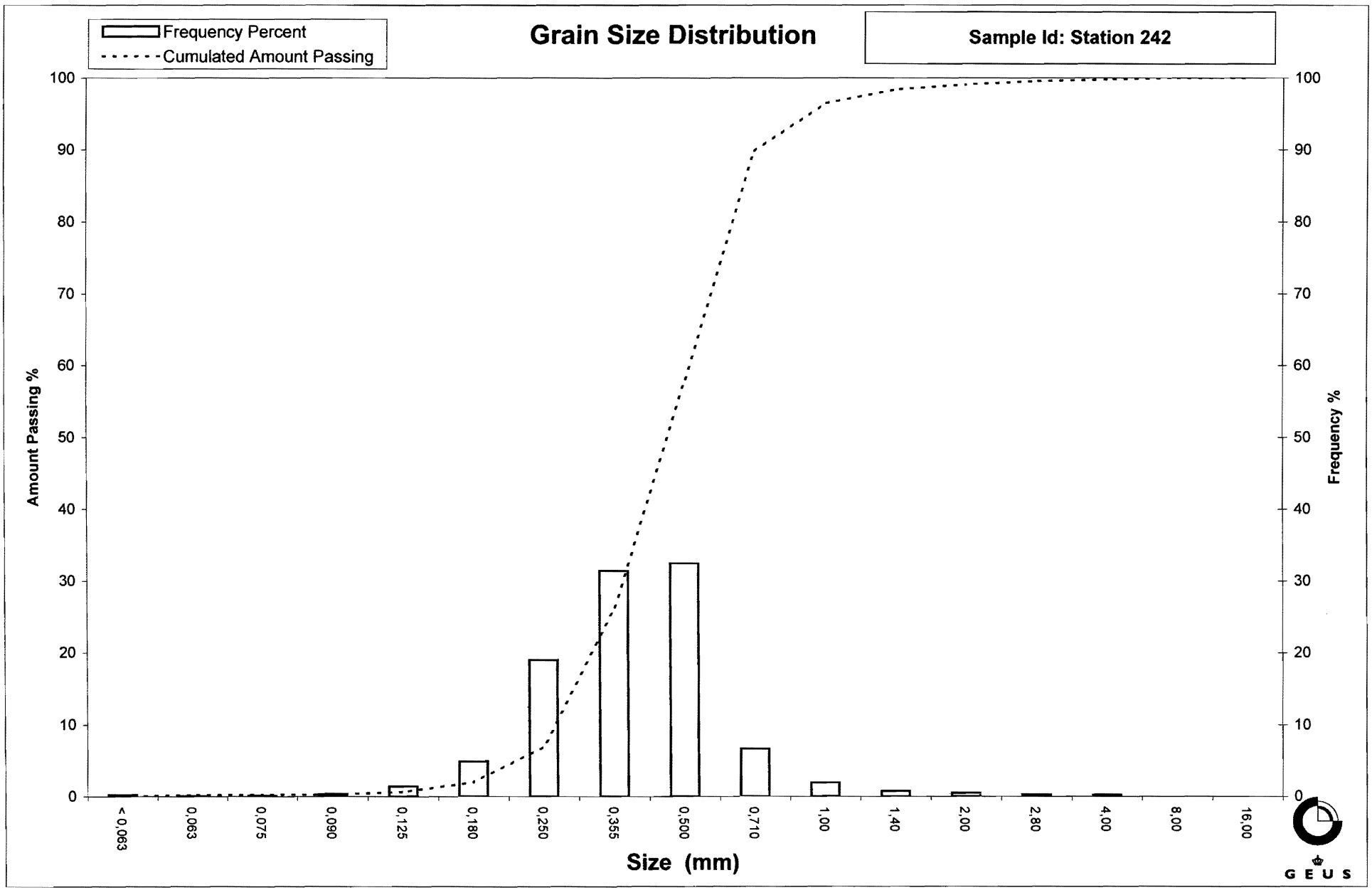
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 242
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 243
Lab. Id: 070068
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 136,04 g

Size Fractions

Sieve Analysis

	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	0,39	0,29	99,71
	2,80	-1,49	0,62	0,46	99,26
	2,00	-1,00	0,71	0,52	98,74
Sand	1,40	-0,49	1,40	1,03	97,71
	1,00	0,00	3,21	2,36	95,35
	0,710	0,49	9,29	6,83	88,52
	0,500	1,00	45,22	33,24	55,28
	0,355	1,49	46,36	34,08	21,20
	0,250	2,00	21,55	15,84	5,36
	0,180	2,47	4,61	3,39	1,97
	0,125	3,00	0,99	0,73	1,24
	0,090	3,47	0,18	0,13	1,11
	0,075	3,74	0,04	0,03	1,08
	0,063	3,99	0,02	0,01	1,07
	< 0,063	> 3,99	1,45	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):	1,87
Sand, medium	(0,2 mm - 0,6 mm):	68,17
Sand, coarse	(0,6 mm - 2 mm):	27,63
Gravel	(> 2 mm):	1,26
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,99	0,02
16%	84%	0,68	0,55
25%	75%	0,62	0,68
40%	60%	0,53	0,92
Median 50%	50%	0,48	1,07
75%	25%	0,37	1,43
84%	16%	0,32	1,64
90%	10%	0,28	1,83
95%	5%	0,24	2,04

Moments Statistics

Mean	1,09
Sorting	0,58
Skewness	0,01
Kurtosis	1,10
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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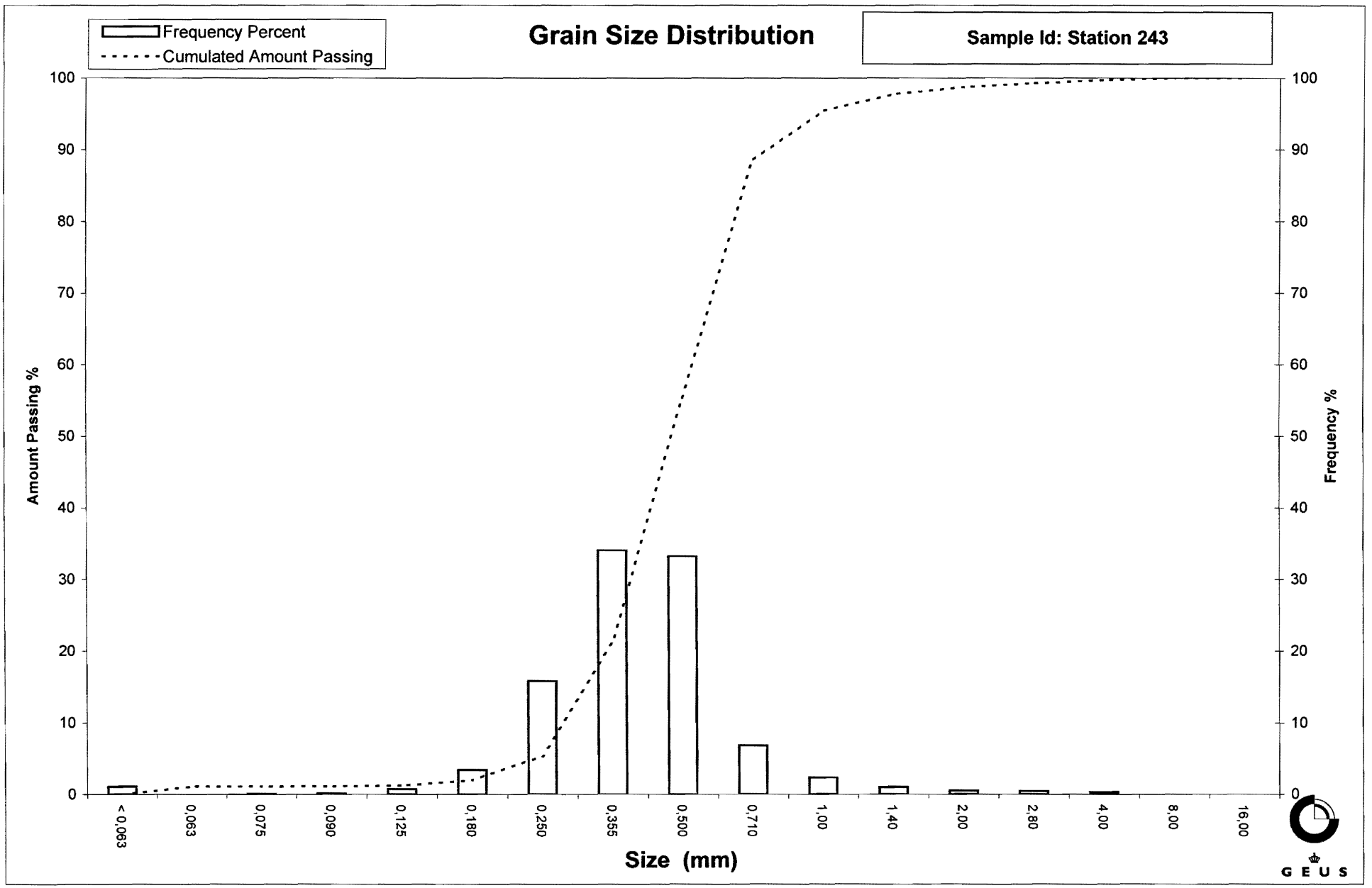
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 243
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 251
Lab. Id: 070069
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

G E U S

Total Weight 123,13 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,02	0,02	99,98
Sand	1,40	-0,49	0,05	0,04	99,94
	1,00	0,00	0,22	0,18	99,76
	0,710	0,49	1,26	1,02	98,74
	0,500	1,00	7,96	6,46	92,28
	0,355	1,49	27,48	22,32	69,96
	0,250	2,00	49,35	40,08	29,88
	0,180	2,47	29,58	24,02	5,86
	0,125	3,00	6,03	4,90	0,96
	0,090	3,47	0,40	0,32	0,63
	0,075	3,74	0,07	0,06	0,58
	0,063	3,99	0,03	0,02	0,55
	< 0,063	> 3,99	0,68	0,55	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,55
Sand, fine	(0,063 mm - 0,200 mm):	12,17
Sand, medium	(0,2 mm - 0,6 mm):	82,64
Sand, coarse	(0,6 mm - 2 mm):	4,63
Gravel	(> 2 mm):	0,02
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,59	0,76
16%	84%	0,45	1,16
25%	75%	0,39	1,37
40%	60%	0,33	1,60
Median 50%	50%	0,30	1,72
75%	25%	0,24	2,08
84%	16%	0,21	2,25
90%	10%	0,19	2,38
95%	5%	0,17	2,55

Moments Statistics

Mean	1,71
Sorting	0,54
Skewness	-0,05
Kurtosis	1,02
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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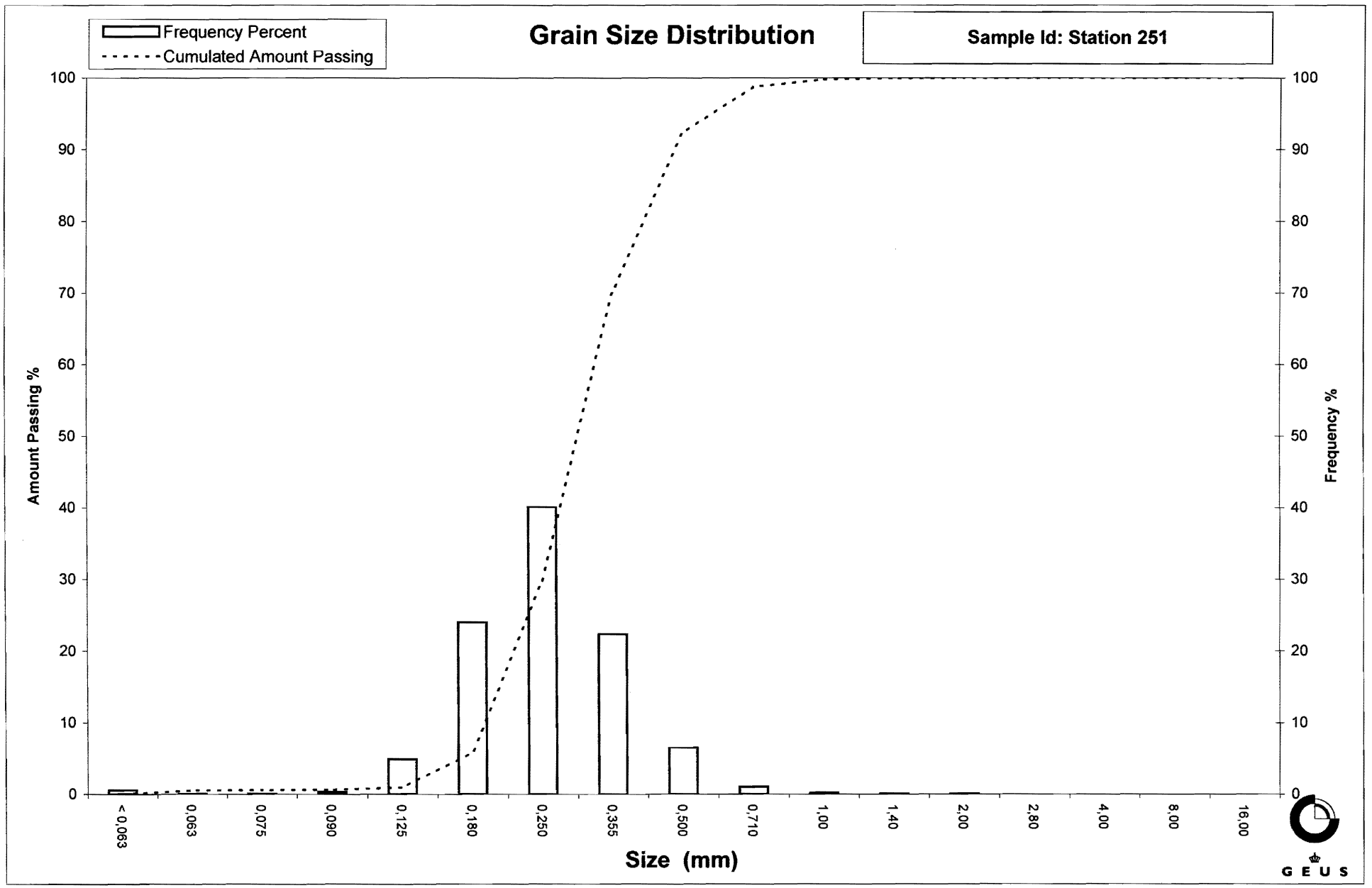
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 251
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 252
Lab. Id: 070070
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 2mm

GEUS

Total Weight 125,06 g

Size Fractions

Sieve Analysis

	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	0,00	0,00	100,00
	2,80	-1,49	0,03	0,02	99,98
	2,00	-1,00	0,09	0,07	99,90
Sand	1,40	-0,49	0,35	0,28	99,62
	1,00	0,00	1,10	0,88	98,74
	0,710	0,49	4,79	3,83	94,91
	0,500	1,00	14,32	11,45	83,46
	0,355	1,49	29,51	23,60	59,87
	0,250	2,00	40,18	32,13	27,74
	0,180	2,47	27,55	22,03	5,71
	0,125	3,00	6,03	4,82	0,89
	0,090	3,47	0,42	0,34	0,55
	0,075	3,74	0,08	0,06	0,49
	0,063	3,99	0,03	0,02	0,46
	< 0,063	> 3,99	0,58	0,46	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,46
Sand, fine	(0,063 mm - 0,200 mm):	11,54
Sand, medium	(0,2 mm - 0,6 mm):	76,91
Sand, coarse	(0,6 mm - 2 mm):	10,99
Gravel	(> 2 mm):	0,10
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	0,72	0,48
16%	84%	0,51	0,97
25%	75%	0,45	1,16
40%	60%	0,36	1,49
Median 50%	50%	0,32	1,63
75%	25%	0,24	2,05
84%	16%	0,21	2,23
90%	10%	0,19	2,37
95%	5%	0,17	2,54

Moments Statistics

Mean	1,61
Sorting	0,63
Skewness	-0,08
Kurtosis	0,95
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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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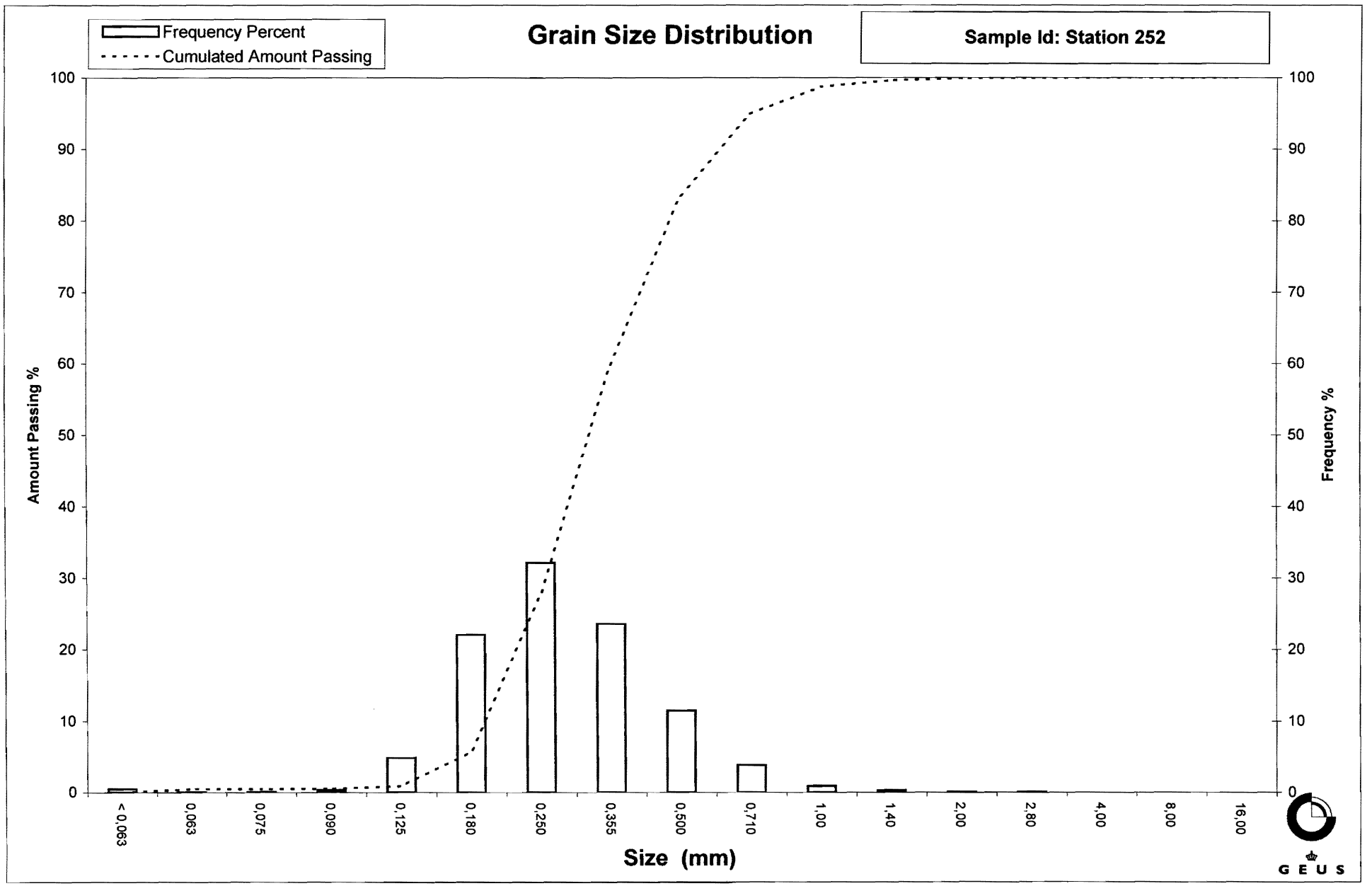
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 252
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 259
Lab. Id: 070071
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm

Total Weight 214,26 g

Size Fractions

Sieve Analysis

	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	2,97	1,39	98,61
	4,00	-2,00	1,22	0,57	98,04
	2,80	-1,49	0,87	0,41	97,64
	2,00	-1,00	1,20	0,56	97,08
Sand	1,40	-0,49	2,79	1,30	95,78
	1,00	0,00	11,56	5,40	90,38
	0,710	0,49	36,07	16,83	73,55
	0,500	1,00	56,53	26,38	47,16
	0,355	1,49	51,94	24,24	22,92
	0,250	2,00	30,43	14,20	8,72
	0,180	2,47	13,64	6,37	2,35
	0,125	3,00	3,22	1,50	0,85
	0,090	3,47	0,33	0,15	0,70
	0,075	3,74	0,06	0,03	0,67
	0,063	3,99	0,02	0,01	0,66
	< 0,063	> 3,99	1,41	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):	3,51
Sand, medium	(0,2 mm - 0,6 mm):	55,55
Sand, coarse	(0,6 mm - 2 mm):	37,35
Gravel	(> 2 mm):	2,92
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile Amount in sieve	Percentile Amount passing	d(mm)	Φ
5%	95%	1,34	-0,42
16%	84%	0,89	0,17
25%	75%	0,74	0,44
40%	60%	0,60	0,73
Median 50%	50%	0,52	0,94
75%	25%	0,37	1,44
84%	16%	0,30	1,72
90%	10%	0,26	1,95
95%	5%	0,21	2,26

Moments Statistics

Mean	0,94
Sorting	0,79
Skewness	0,00
Kurtosis	1,10
Uniformity Coefficient	2,32

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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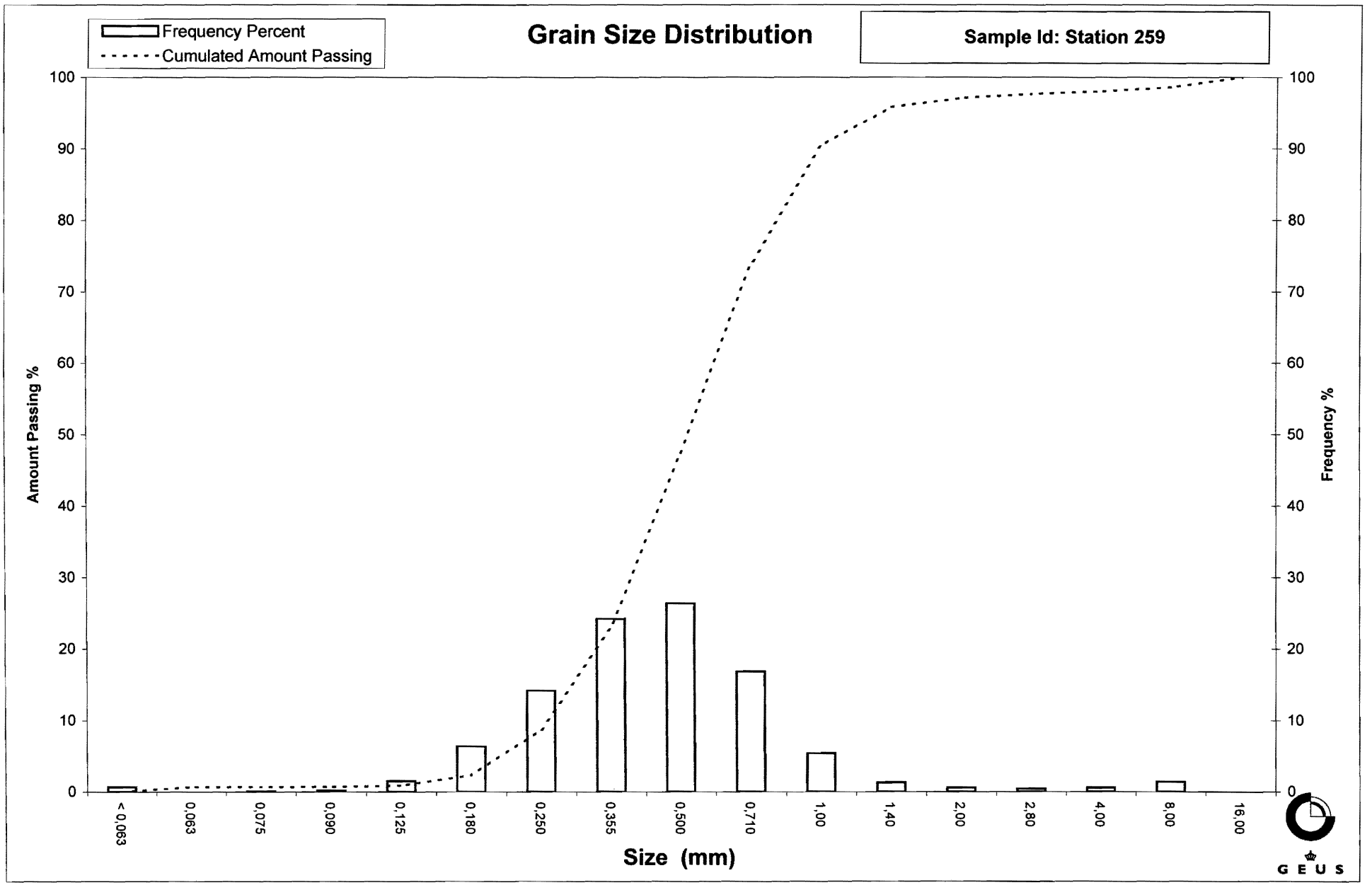
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 259
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 260
Lab. Id: 070072
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm

GEUS

Total Weight 225,7 g

Size Fractions

Sieve Analysis

	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	1,36	0,60	99,40
	4,00	-2,00	8,51	3,77	95,63
	2,80	-1,49	2,43	1,08	94,55
	2,00	-1,00	3,20	1,42	93,13
Sand	1,40	-0,49	13,37	5,92	87,21
	1,00	0,00	37,11	16,44	70,77
	0,710	0,49	43,94	19,47	51,30
	0,500	1,00	44,29	19,62	31,67
	0,355	1,49	33,01	14,63	17,05
	0,250	2,00	22,18	9,83	7,22
	0,180	2,47	10,81	4,79	2,43
	0,125	3,00	2,99	1,32	1,11
	0,090	3,47	0,31	0,14	0,97
	0,075	3,74	0,04	0,02	0,95
	0,063	3,99	0,02	0,01	0,94
	< 0,063	> 3,99	2,13	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):	2,86
Sand, medium	(0,2 mm - 0,6 mm):	37,22
Sand, coarse	(0,6 mm - 2 mm):	52,11
Gravel	(> 2 mm):	6,87
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	3,30	-1,72
16%	84%	1,32	-0,40
25%	75%	1,10	-0,14
40%	60%	0,84	0,25
Median 50%	50%	0,70	0,52
75%	25%	0,43	1,20
84%	16%	0,34	1,54
90%	10%	0,28	1,84
95%	5%	0,22	2,20

Moments Statistics

Mean	0,55
Sorting	1,08
Skewness	-0,05
Kurtosis	1,19
Uniformity Coefficient	3,00

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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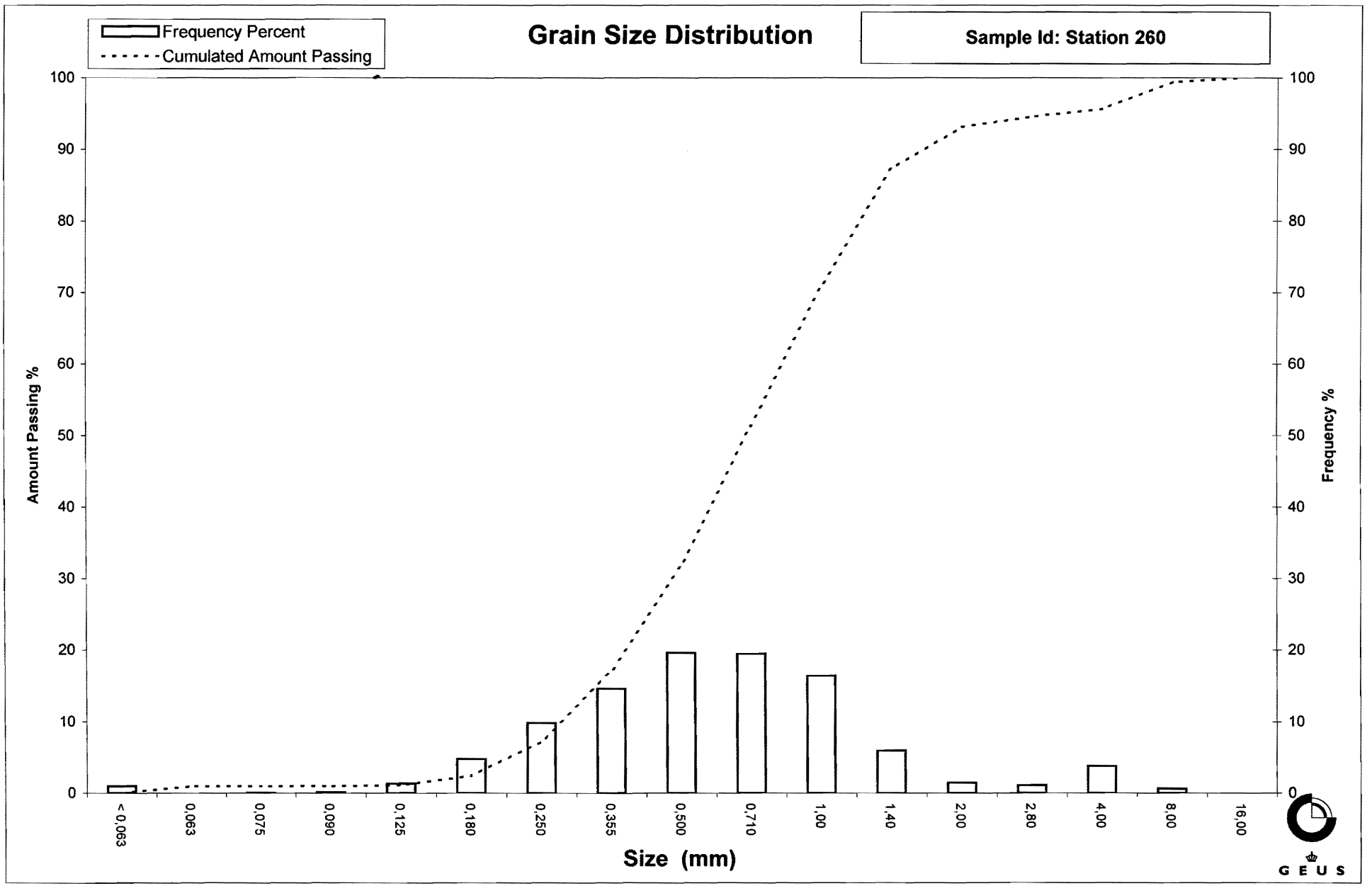
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 260
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 268
Lab. Id: 070073
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm

Total Weight 220,97 g

Size Fractions

Sieve Analysis

	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	15,39	6,96	93,04
	4,00	-2,00	25,26	11,43	81,60
	2,80	-1,49	12,74	5,77	75,84
	2,00	-1,00	10,36	4,69	71,15
Sand	1,40	-0,49	7,89	3,57	67,58
	1,00	0,00	10,25	4,64	62,94
	0,710	0,49	19,87	8,99	53,95
	0,500	1,00	35,22	15,94	38,01
	0,355	1,49	40,96	18,54	19,47
	0,250	2,00	28,07	12,70	6,77
	0,180	2,47	10,41	4,71	2,06
	0,125	3,00	3,26	1,48	0,58
	0,090	3,47	0,48	0,22	0,37
	0,075	3,74	0,09	0,04	0,33
	0,063	3,99	0,02	0,01	0,32
	< 0,063	> 3,99	0,70	0,32	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,32
Sand, fine	(0,063 mm - 0,200 mm):	3,09
Sand, medium	(0,2 mm - 0,6 mm):	42,19
Sand, coarse	(0,6 mm - 2 mm):	25,55
Gravel	(> 2 mm):	28,85
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	10,26	-3,36
16%	84%	4,84	-2,27
25%	75%	2,66	-1,41
40%	60%	0,91	0,14
Median 50%	50%	0,66	0,60
75%	25%	0,40	1,33
84%	16%	0,33	1,62
90%	10%	0,28	1,85
95%	5%	0,22	2,16

Moments Statistics

Mean	-0,02
Sorting	1,81
Skewness	-0,46
Kurtosis	0,83
Uniformity Coefficient	3,27

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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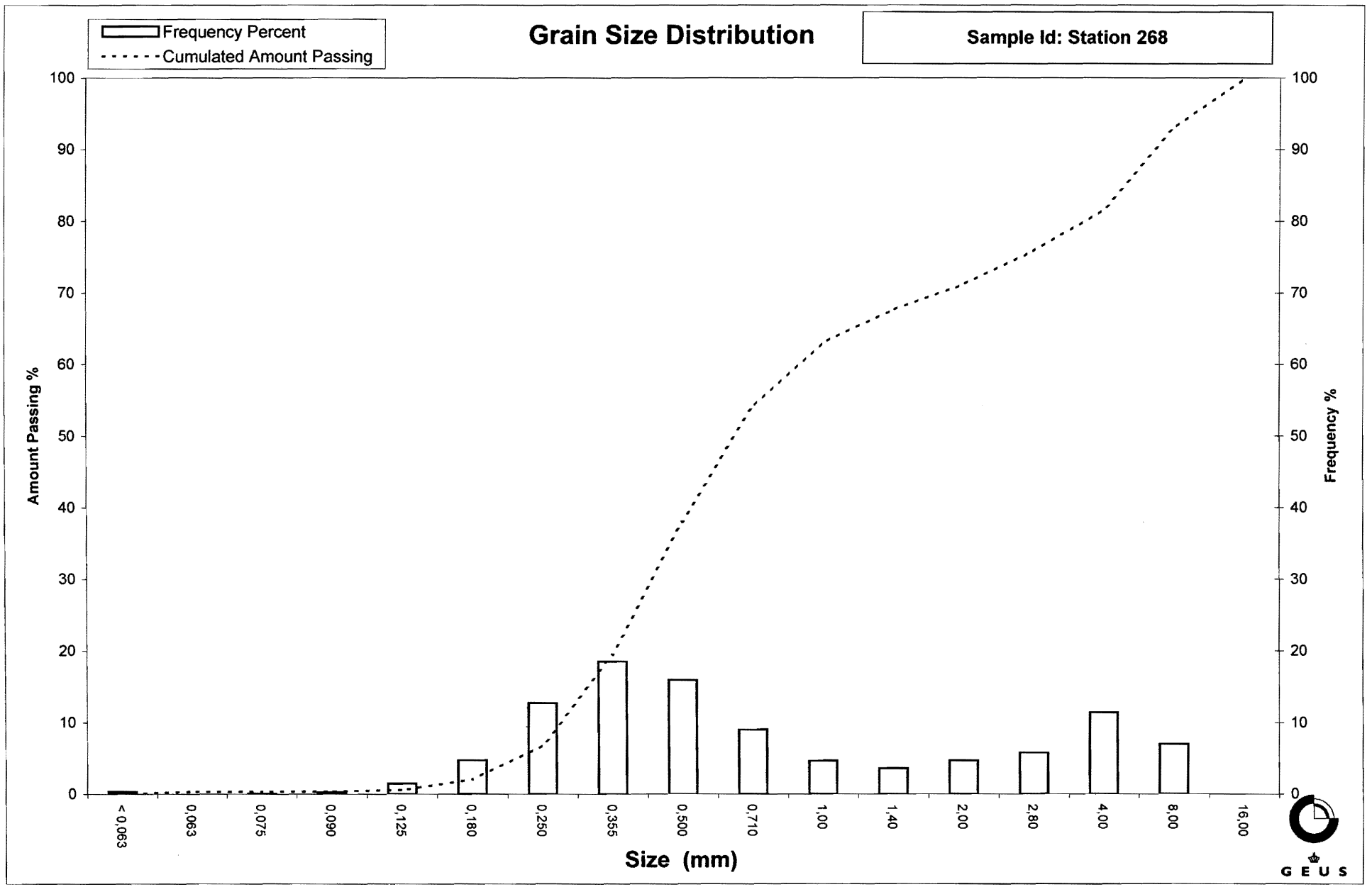
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 268
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS

Grain Size Distribution

Geotechnical

Sample Id: Station 269
Lab. Id: 070074
Submitter: DFU
Subject: Tobistogt L 151 dec.06
Date: jan/feb 2007
Executed: I. Nørgaard
Remarks: For mat < 8mm

Total Weight 226,95 g

Size Fractions

Sieve Analysis

	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	5,61	2,47	97,53
	4,00	-2,00	22,09	9,73	87,79
	2,80	-1,49	13,65	6,01	81,78
	2,00	-1,00	10,08	4,44	77,34
Sand	1,40	-0,49	8,69	3,83	73,51
	1,00	0,00	11,14	4,91	68,60
	0,710	0,49	23,51	10,36	58,24
	0,500	1,00	43,92	19,35	38,89
	0,355	1,49	50,01	22,04	16,85
	0,250	2,00	27,71	12,21	4,64
	0,180	2,47	7,50	3,30	1,34
	0,125	3,00	1,66	0,73	0,61
	0,090	3,47	0,46	0,20	0,41
	0,075	3,74	0,31	0,14	0,27
	0,063	3,99	0,16	0,07	0,20
	< 0,063	> 3,99	0,45	0,20	0,00

Size Classes (DGF-Bulletin 1 1988)

		Weight %
Silt and clay	(< 0,063 mm):	0,20
Sand, fine	(0,063 mm - 0,200 mm):	2,09
Sand, medium	(0,2 mm - 0,6 mm):	45,82
Sand, coarse	(0,6 mm - 2 mm):	29,23
Gravel	(> 2 mm):	22,66
Sum:		100,00

Moments Measures (Folk and Wards)

Percentile	Percentile		
Amount in sieve	Amount passing	d(mm)	Φ
5%	95%	6,96	-2,80
16%	84%	3,24	-1,70
25%	75%	1,63	-0,71
40%	60%	0,76	0,40
Median 50%	50%	0,62	0,69
75%	25%	0,41	1,29
84%	16%	0,35	1,52
90%	10%	0,30	1,76
95%	5%	0,25	1,98

Moments Statistics

Mean	0,17
Sorting	1,53
Skewness	-0,47
Kurtosis	0,98
Uniformity Coefficient	2,56

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 (ϕ16%+ϕ84%+ϕ50%) / 3 (Folk and Ward 1957)

Sorting (ϕ84%-ϕ16%) / 4 + (ϕ95%-ϕ5%) / 6,6 (Folk and Ward 1957)

Kurtosis (ϕ95% - ϕ5%) / (2,44 * (ϕ75% - ϕ25%)) (Folk and Ward 1957)

Skewness (ϕ16%+ϕ84% - 2*ϕ50%) / (2*(ϕ84%-ϕ16%)) + (ϕ5%+ϕ95% - 2*ϕ50%) / (2*(ϕ95%-ϕ5%)) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

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

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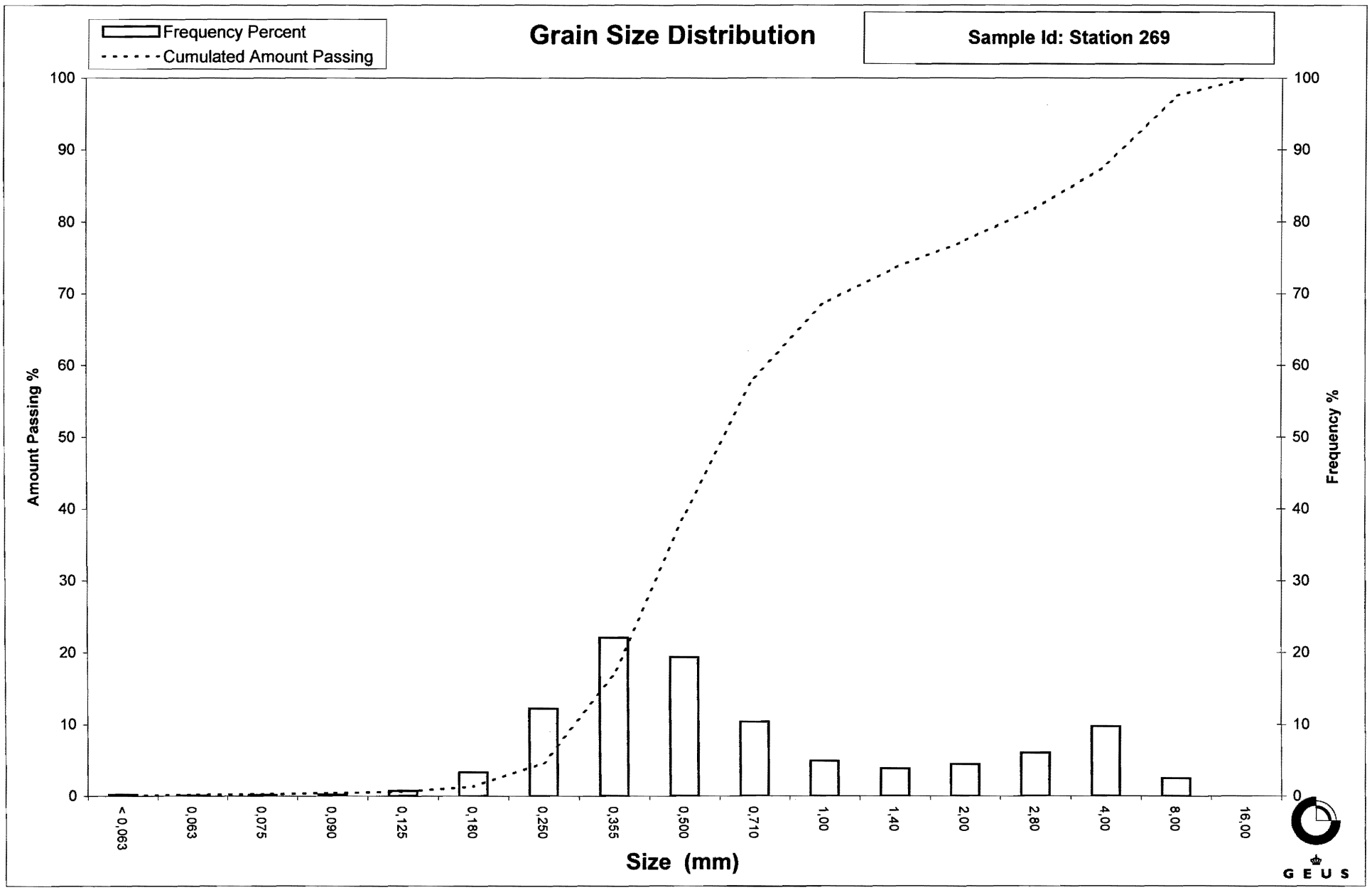
Frequency Percent
Cumulated Amount Passing
Grain Size Distribution
Sample Id: Station 269
Amount Passing %
Frequency %
100
90
80
70
60
50
40
30
20
10
0
< 0,063
0,063
0,075
0,090
0,125
0,180
0,250
0,355
0,500
0,710
1,00
1,40
2,00
2,80
4,00
8,00
16,00
Size (mm)
GEUS