

Datarapport: Kornstørrelsesfordeling

Laboratorieanalyser for Naturstyrelsen

Christina R. Lynge & Pernille Stockmarr

DE NATIONALE GEOLOGISKE UNDERSØGELSER
FOR DANMARK OG GRØNLAND,
KLIMA-, ENERGI- OG BYGNINGSMINISTERIET

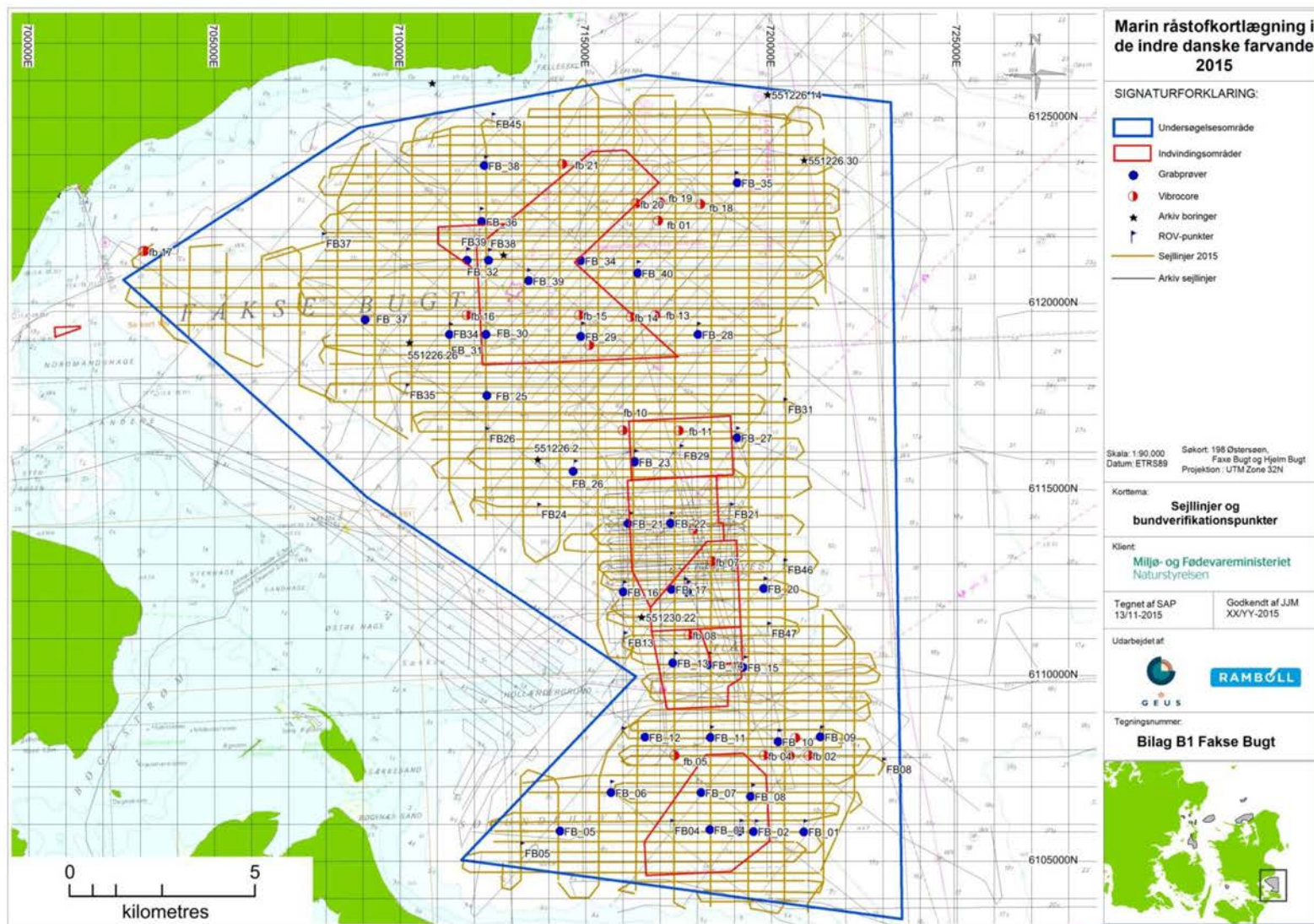


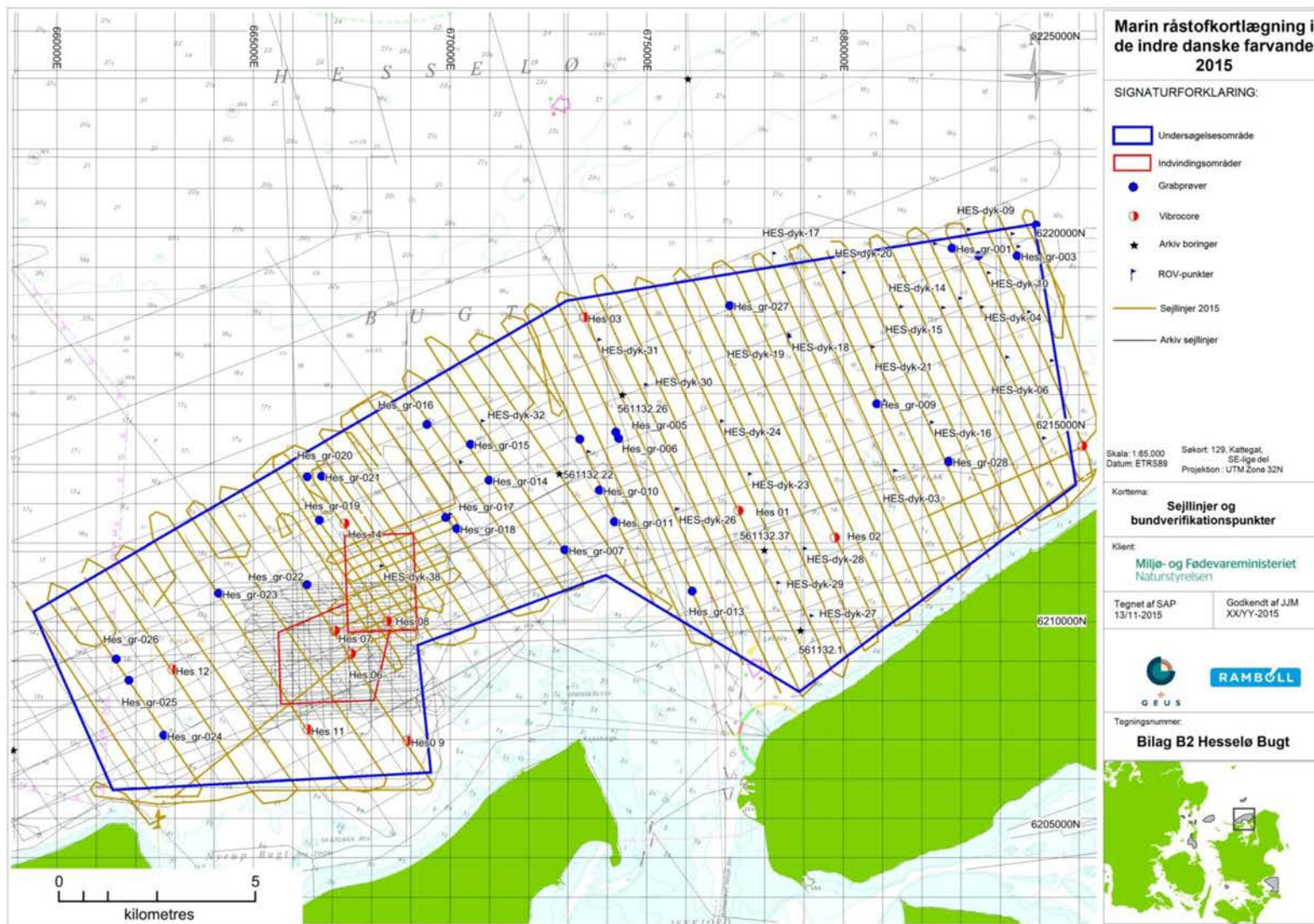
G E U S

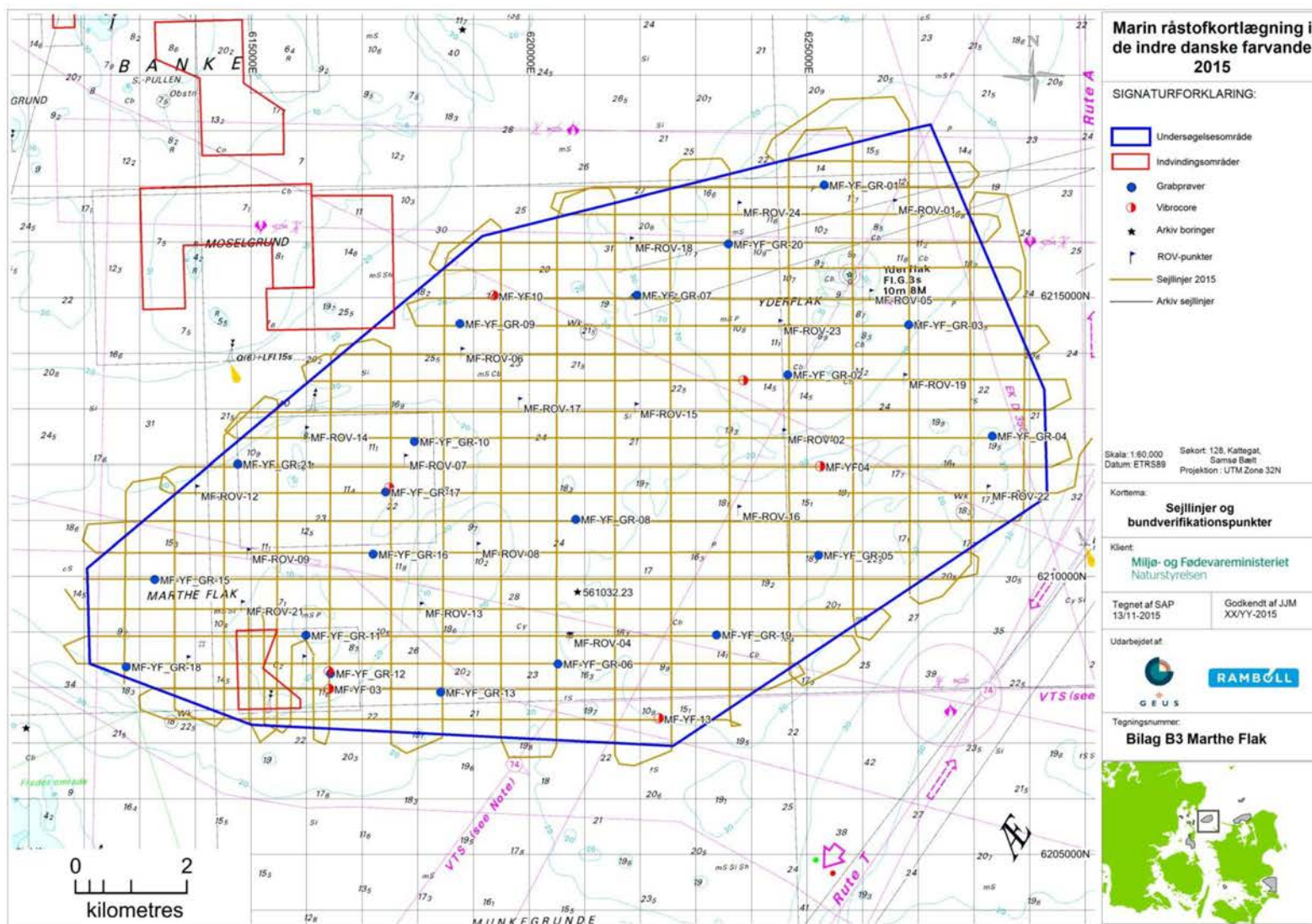
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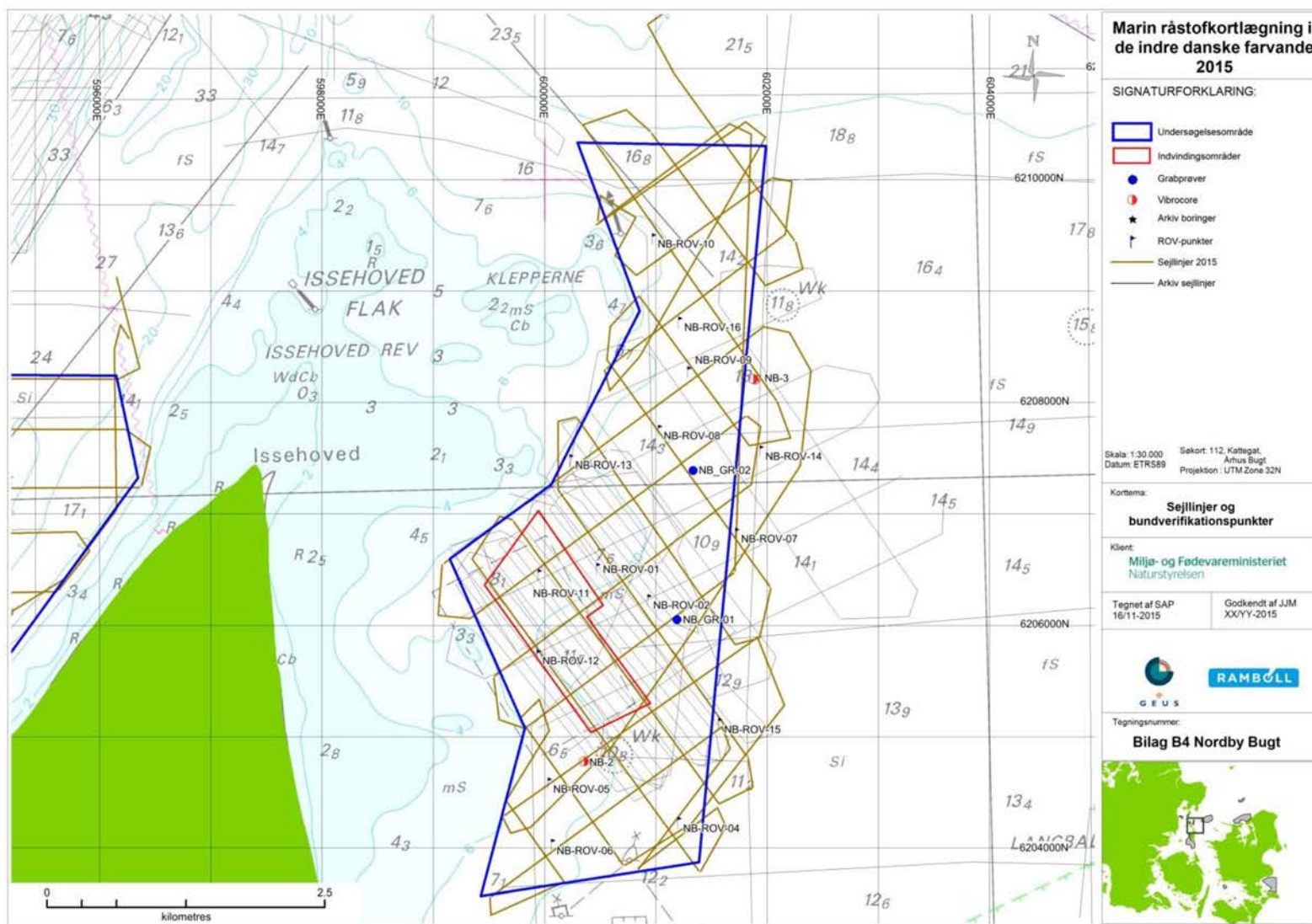
Laboratorieanalyser for Naturstyrelsen

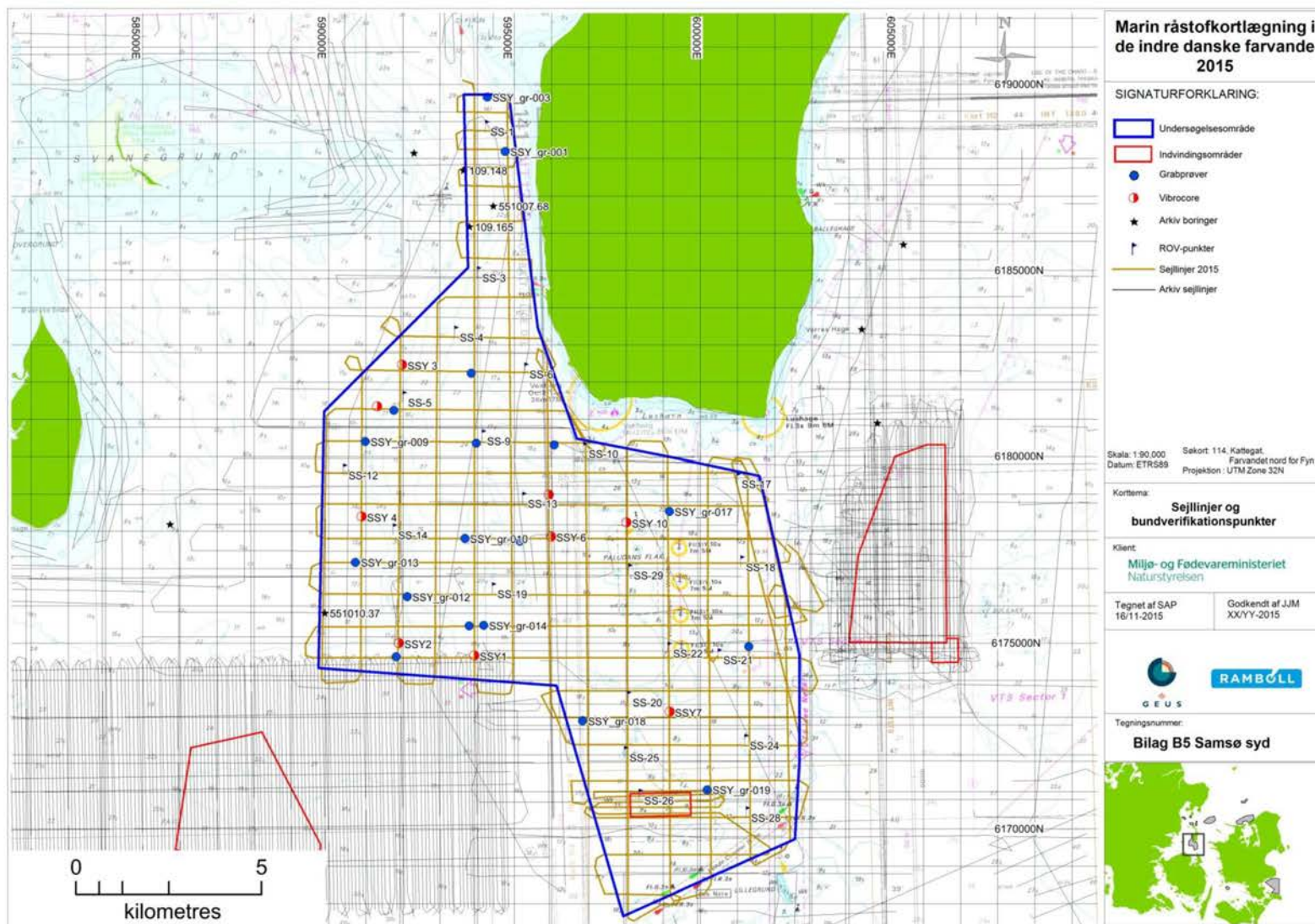
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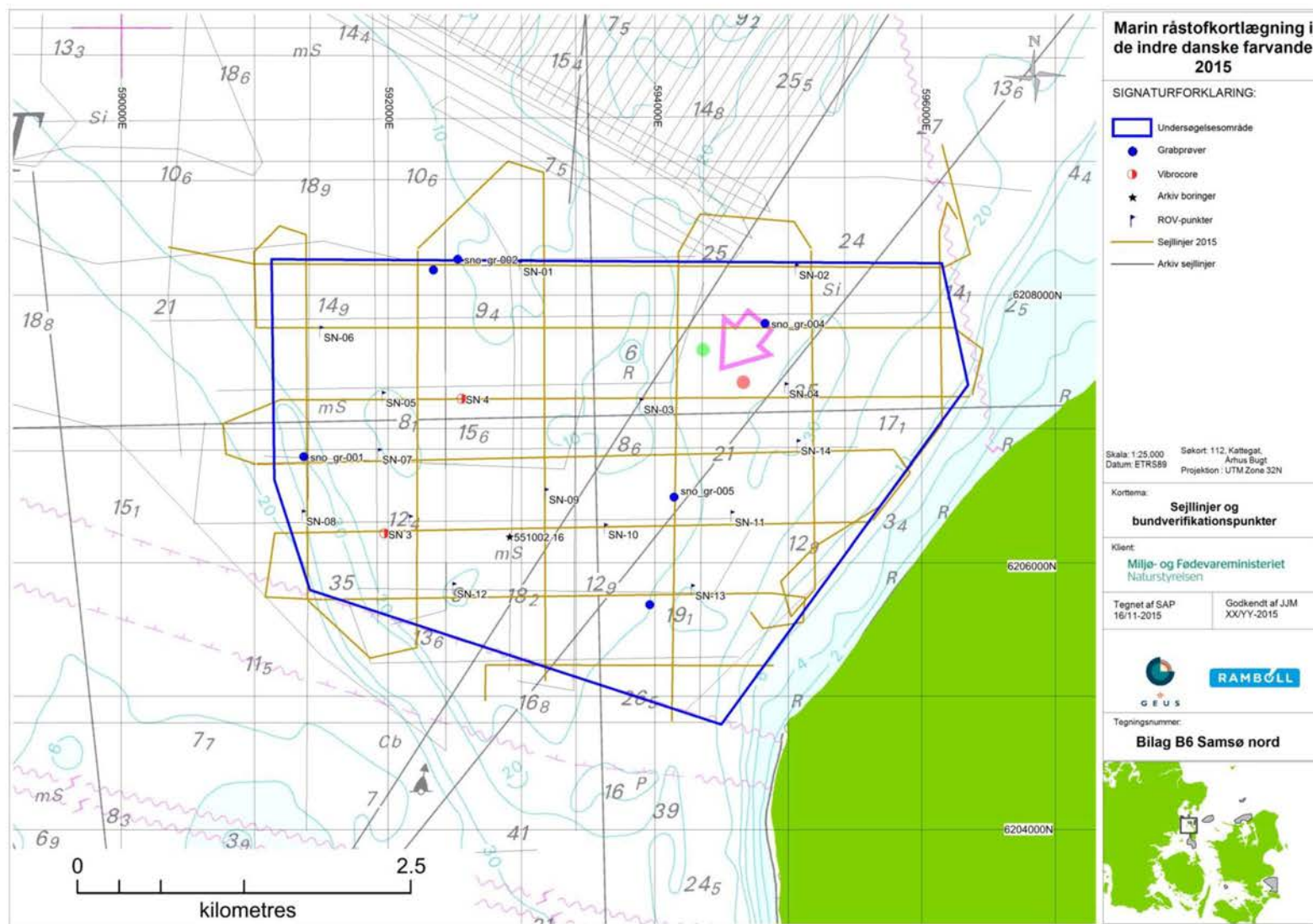


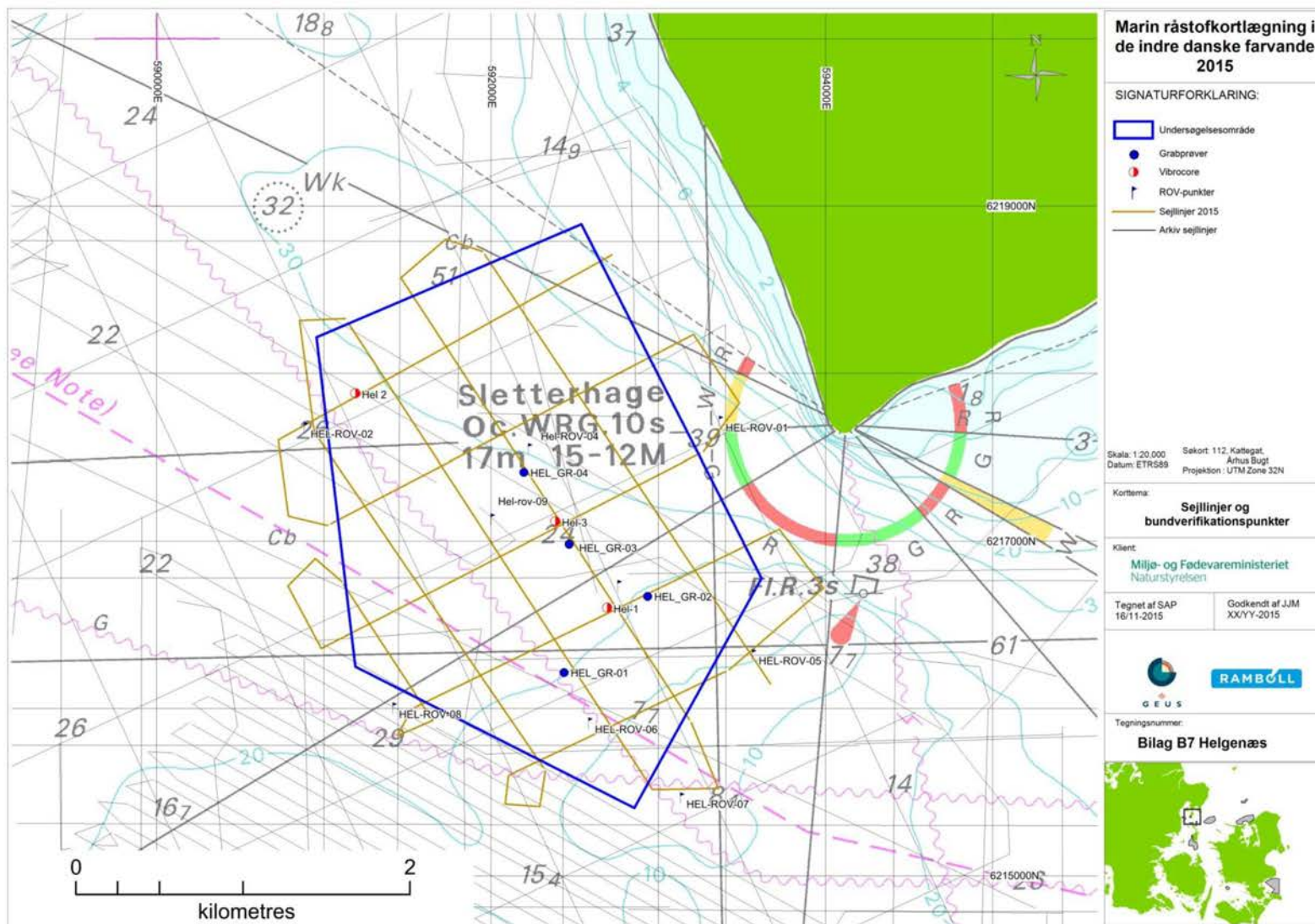


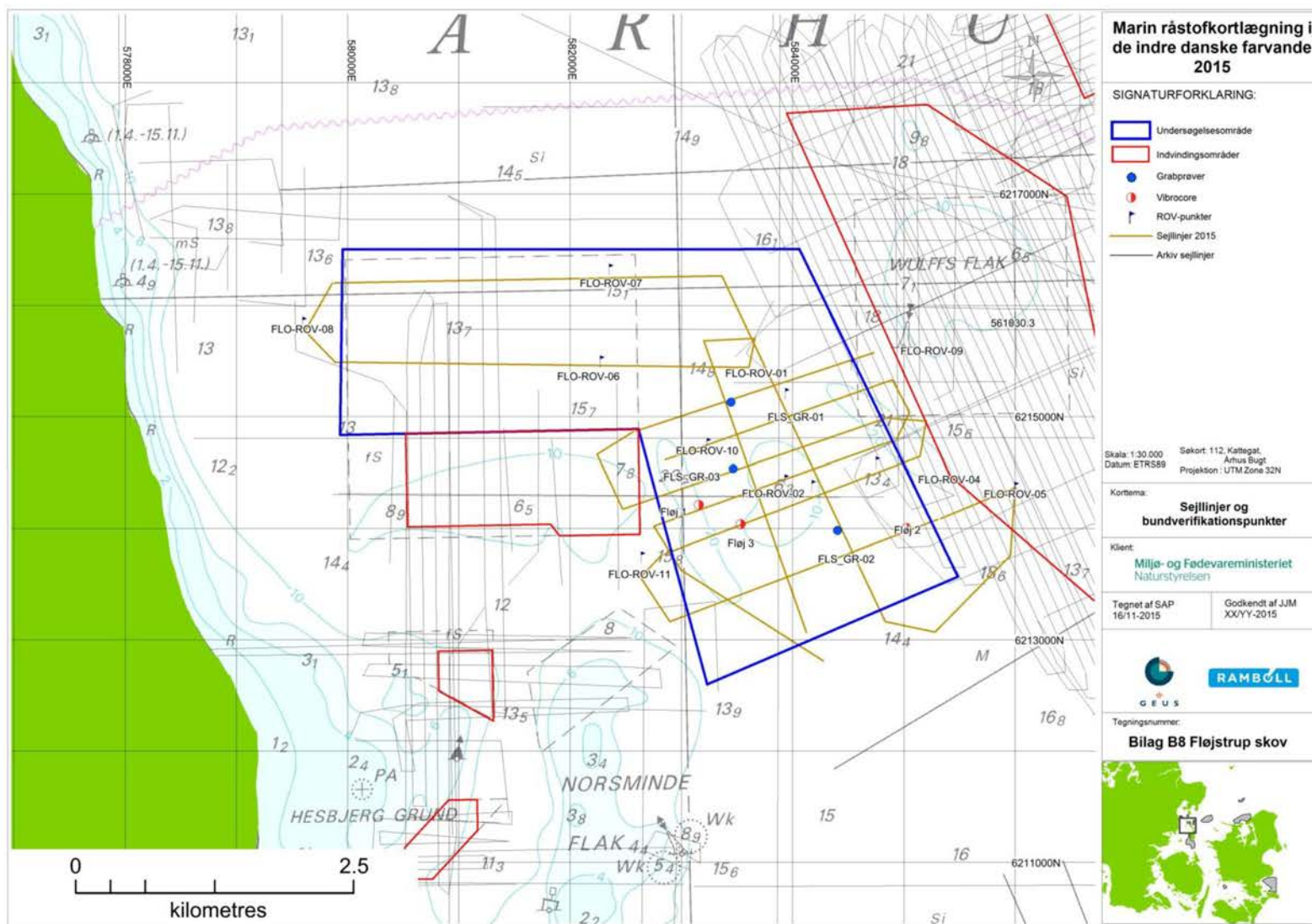












Marin råstofkortlægning 2015

Lab.nr.	lokalitet	Dybde
150127	AG-3	100-150 cm
150128	FB-1	0-90 cm
150129	FB-1	100-200 cm
150130	FB-2	180-270 cm
150131	FB-3	0-40 cm
150132	FB-3	45-100 cm
150133	FB-4	0-45 cm
150134	FB-5	0-90 cm
150135	FB-5	210-240 cm
150136	FB-6	20-150 cm
150137	FB-8	0-80 cm
150138	FB-9	80-170 cm
150139	FB-9	200-300 cm
150140	FB-11	50-150 cm
150141	FB-12	70-100 cm
150142	FB-12	100-150 cm
150143	FB-13	150-250 cm
150144	FB-14	50-150 cm
150145	FB-15	50-110 cm
150146	FB-15	200-300 cm
150147	FB-16	0-50 cm
150148	FB-16	100-300 cm
150149	FB-17	0-70 cm
150150	FB-17A	0-100 cm
150151	FB-18	0-90 cm
150152	FB-18	100-150 cm
150153	FB-20	0-80 cm
150154	FB-20	100-500 cm
150155	FB-21	40-110 cm
150156	FB-21	120-220 cm
150157	Fl-3	0-100 cm
150158	Hel-1	0-100 cm
150159	Hel-2	80-150 cm
150160	Hel-2	220-300 cm
150161	Hel-3	0-100 cm
150162	Hel-3	150-200 cm
150163	Hes-1	0-200 cm
150164	Hes-5	0-50 cm

150165	Hes-5	60-120 cm
150166	Hes-6	0-80 cm
150167	Hes-7	0-100 cm
150168	Hes-7	120-170 cm
150169	Hes-8	0-100 cm
150170	Hes 12	50-100 cm
150171	Hes-14	0-100 cm
150172	Hes-14	200-300 cm
150173	LG-1	50-250 cm
150174	LG-2	0-400 cm
150175	LG-5	40-120 cm
150176	LG-5	220-320 cm
150177	LG-12	90-150 cm
150178	LG-15	100-350 cm
150179	MF-2	50-150 cm
150180	MF-3	0-50 cm
150181	MF-3	70-110 cm
150182	MF-3	130-160 cm
150183	MF-4	0-60 cm
150184	MF-5	0-100 cm
150185	MF-6	0-38 cm
150186	MF-8	80-120 cm
150187	MF-8	140-240 cm
150188	MF-10	20-120 cm
150189	MF-13	0-150 cm
150190	NB-2	50-100 cm
150191	SNO-3	0-80 cm
150192	SNO-4	0-150 cm
150193	SSY-1	0-100 cm
150194	SSY-1	200-280 cm
150195	SSY-5	400-500 cm
150196	SSY-6a	0-50 cm
150197	SSY-6a	100-200 cm
150198	SSY-8	120-220 cm
150199	SSY-9	70-130 cm
150200	SSY-10	0-50 cm
150201	SSY-10	100-200 cm

Prøvebehandling

GEUS har foretaget analyser på 75 sedimentprøver fra Indre Danske Farvande 2015. 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 $\frac{1}{2}$ phi intervaller, hvilket svarer til 16 sigter. Metoden er tillempet i forhold til DS 405.9 DS/EN 933-1 idet der er indføjet flere sigter end der beskrives i denne standard.

Resultater

I bilag 1 er vist kornkurverne 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.

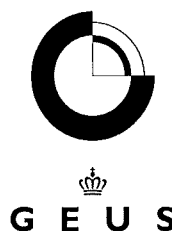
DS/EN 933-1. Kornstørrelsesfordeling bestemt ved sigteanalyse. Dansk Standardiseringsråd, Kbh. 2004.

Bilag 1

Grain Size Distribution

Geotechnical

Sample Id: AG-3 100-150
Lab. Id: 150127
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 163,86 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	2,61	1,59	98,41
4,00	-2,00	1,14	0,70	97,71
2,80	-1,49	1,18	0,72	96,99
2,00	-1,00	2,96	1,81	95,18
1,40	-0,49	6,34	3,87	91,32
1,00	0,00	17,24	10,52	80,79
0,710	0,49	30,78	18,78	62,01
0,500	1,00	39,46	24,08	37,93
0,355	1,49	27,25	16,63	21,30
0,250	2,00	14,39	8,78	12,52
0,180	2,47	8,80	5,37	7,15
0,125	3,00	6,69	4,08	3,06
0,090	3,47	1,13	0,69	2,37
0,075	3,74	0,18	0,11	2,26
0,063	3,99	0,12	0,07	2,19
< 0,063	> 3,99	3,59	2,19	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,19
Sand, fine (0,063 mm - 0,200 mm):	6,49
Sand, medium (0,2 mm - 0,6 mm):	40,72
Sand, coarse (0,6 mm - 2 mm):	45,79
Gravel (> 2 mm):	4,82
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,97	-0,98
16%	84%	1,12	-0,17
25%	75%	0,91	0,14
40%	60%	0,69	0,53
Median 50%	50%	0,61	0,72
75%	25%	0,39	1,37
84%	16%	0,29	1,78
90%	10%	0,22	2,20
95%	5%	0,15	2,73

Moments Statistics

Mean	0,78
Sorting	1,05
Skewness	0,08
Kurtosis	1,23
Uniformity Coefficient	3,19

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

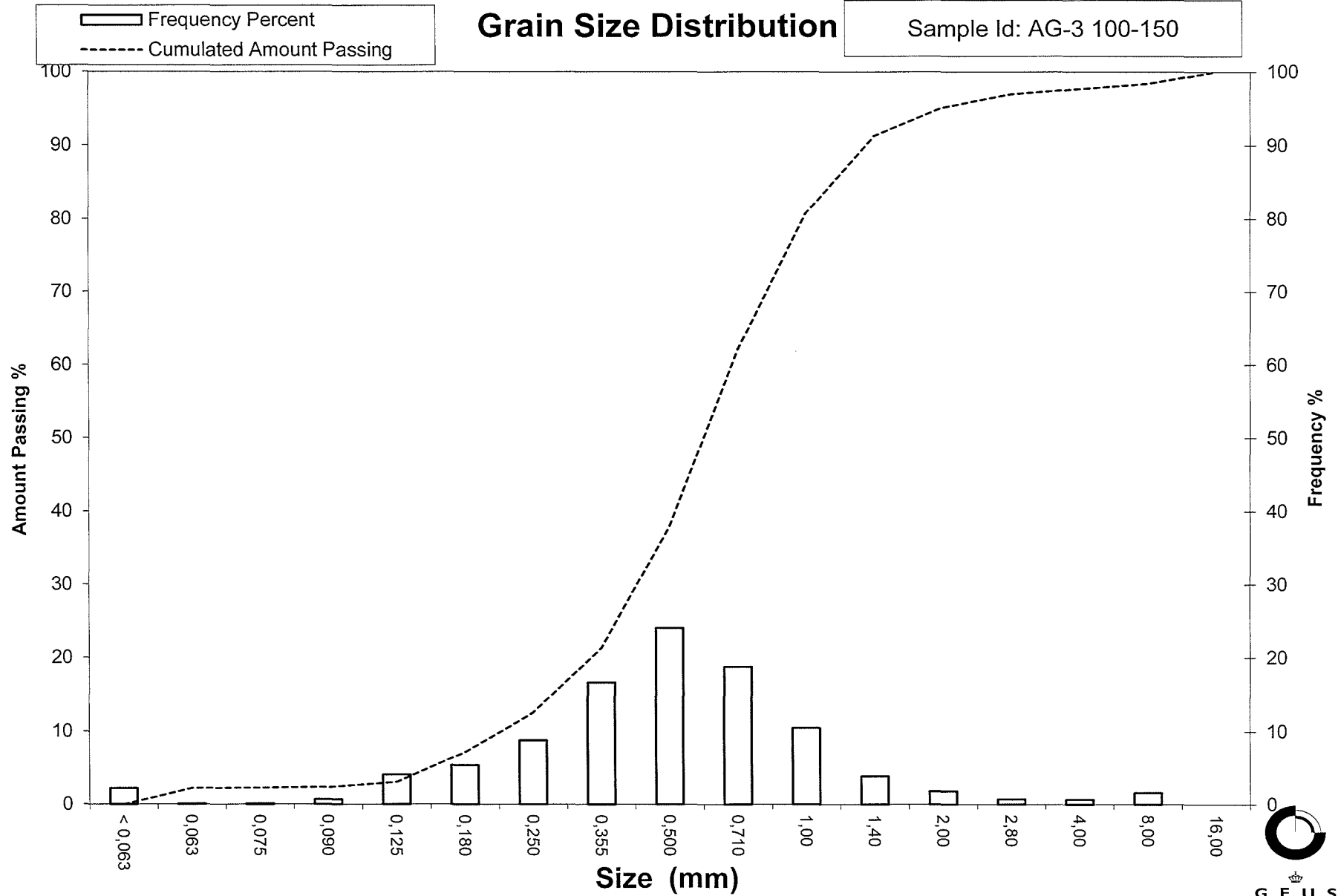
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

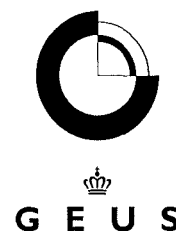
Sample Id: AG-3 100-150



Grain Size Distribution

Geotechnical

Sample Id: FB-1 0-90
Lab. Id: 150128
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 148,96 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,19	0,13	99,87
4,00	-2,00	0,37	0,25	99,62
2,80	-1,49	0,11	0,07	99,55
2,00	-1,00	0,32	0,21	99,34
1,40	-0,49	0,33	0,22	99,11
1,00	0,00	0,90	0,60	98,51
0,710	0,49	2,09	1,40	97,11
0,500	1,00	5,24	3,52	93,59
0,355	1,49	13,34	8,96	84,63
0,250	2,00	33,14	22,25	62,39
0,180	2,47	36,84	24,73	37,65
0,125	3,00	36,01	24,17	13,48
0,090	3,47	14,88	9,99	3,49
0,075	3,74	1,45	0,97	2,52
0,063	3,99	0,52	0,35	2,17
< 0,063	> 3,99	3,23	2,17	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,17
Sand, fine (0,063 mm - 0,200 mm):	42,55
Sand, medium (0,2 mm - 0,6 mm):	50,54
Sand, coarse (0,6 mm - 2 mm):	4,07
Gravel (> 2 mm):	0,66
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,58	0,78
16%	84%	0,35	1,51
25%	75%	0,31	1,69
40%	60%	0,24	2,04
Median 50%	50%	0,21	2,22
75%	25%	0,15	2,73
84%	16%	0,13	2,94
90%	10%	0,11	3,15
95%	5%	0,10	3,39

Moments Statistics

Mean	2,22
Sorting	0,75
Skewness	-0,05
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 $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

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

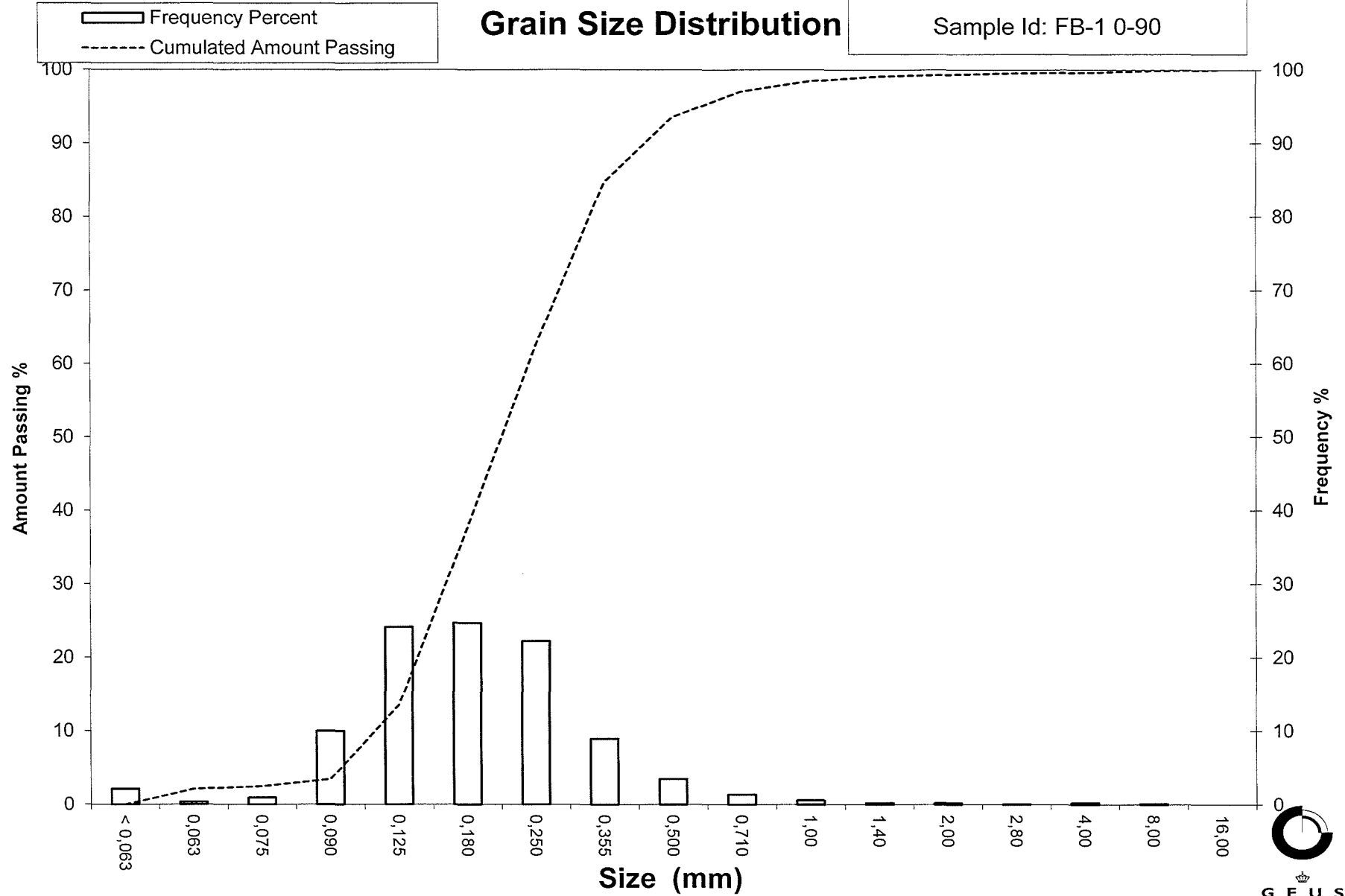
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

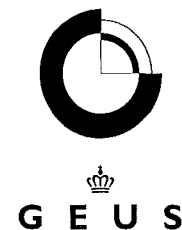
Sample Id: FB-1 0-90



Grain Size Distribution

Geotechnical

Sample Id: FB-1 100-200
Lab. Id: 150129
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 153,42 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	0,01	0,01	99,99
	2,00	-1,00	0,01	0,01	99,99
	1,40	-0,49	0,12	0,08	99,91
Sand	1,00	0,00	0,26	0,17	99,74
	0,710	0,49	0,61	0,40	99,34
	0,500	1,00	3,47	2,26	97,08
	0,355	1,49	30,85	20,11	76,97
	0,250	2,00	84,96	55,38	21,59
	0,180	2,47	26,29	17,14	4,46
	0,125	3,00	4,37	2,85	1,61
	0,090	3,47	0,42	0,27	1,34
	0,075	3,74	0,05	0,03	1,30
	0,063	3,99	0,02	0,01	1,29
	< 0.063	> 3.99	1.98	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):	8,06
Sand, medium (0,2 mm - 0,6 mm):	88,80
Sand, coarse (0,6 mm - 2 mm):	1,83
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,49	1,04
16%	84%	0,41	1,30
25%	75%	0,35	1,51
40%	60%	0,32	1,63
Median 50%	50%	0,30	1,72
75%	25%	0,26	1,96
84%	16%	0,23	2,14
90%	10%	0,20	2,30
95%	5%	0,18	2,46

Moments Statistics

Mean	1,72
Sorting	0,42
Skewness	0,02
Kurtosis	1,28
Uniformity Coefficient	1,59

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

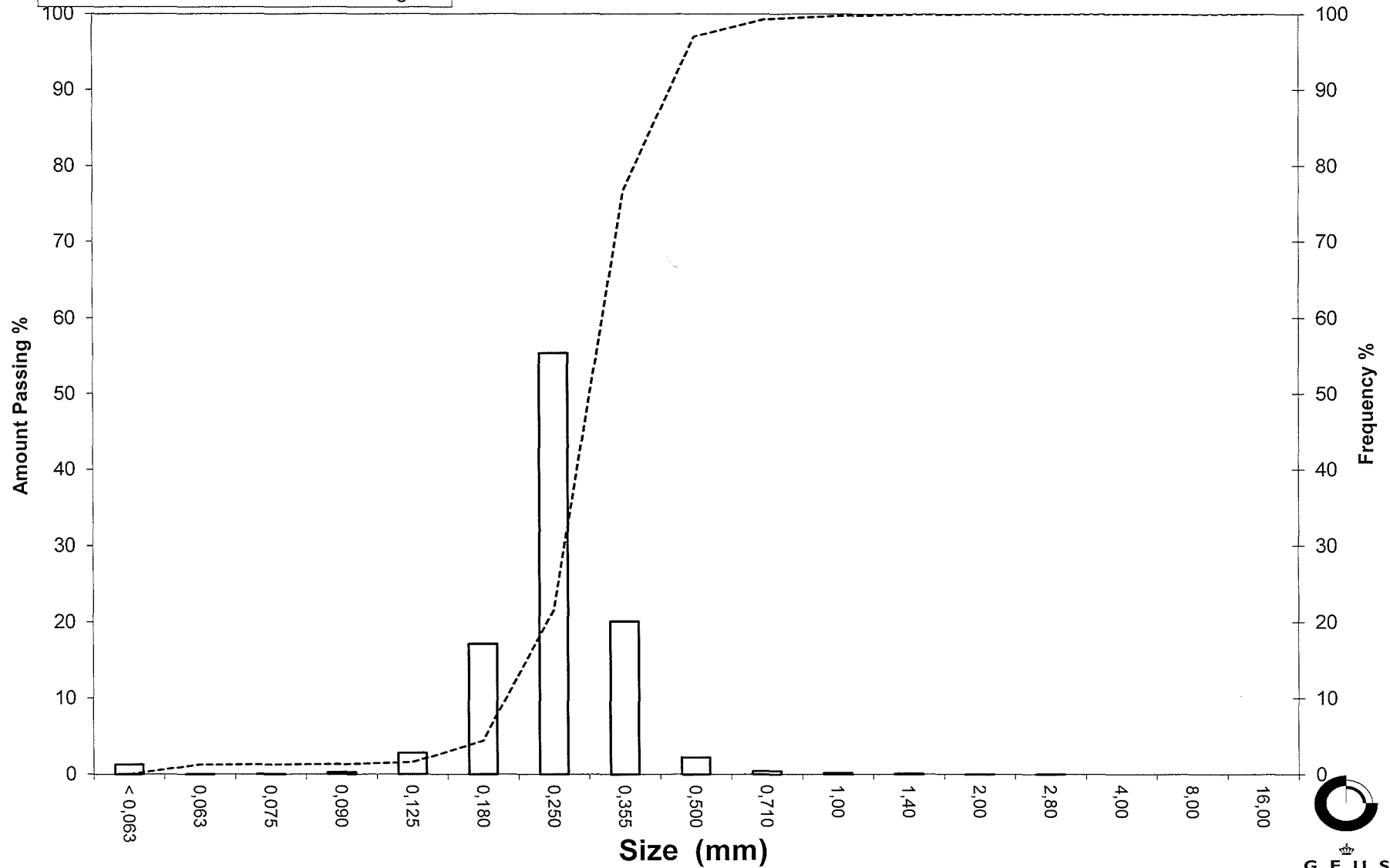
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: FB-1 100-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: FB-2 180-270
Lab. Id: 150130
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 175,1 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,61	0,35	99,65
	4,00	-2,00	7,66	4,37	95,28
	2,80	-1,49	3,29	1,88	93,40
	2,00	-1,00	4,07	2,32	91,07
	1,40	-0,49	5,06	2,89	88,18
	1,00	0,00	7,14	4,08	84,11
	0,710	0,49	10,71	6,12	77,99
	0,500	1,00	24,37	13,92	64,07
	0,355	1,49	38,41	21,94	42,14
	0,250	2,00	43,12	24,63	17,51
	0,180	2,47	18,13	10,35	7,16
	0,125	3,00	7,71	4,40	2,75
	0,090	3,47	1,93	1,10	1,65
	0,075	3,74	0,40	0,23	1,42
	0,063	3,99	0,21	0,12	1,30
	< 0,063	> 3,99	2,28	1,30	0,00
Gravel					
Sand					

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,30
Sand, fine (0,063 mm - 0,200 mm):	8,81
Sand, medium (0,2 mm - 0,6 mm):	60,59
Sand, coarse (0,6 mm - 2 mm):	20,37
Gravel (> 2 mm):	8,93
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	3,82	-1,93
16%	84%	0,99	0,01
25%	75%	0,66	0,59
40%	60%	0,47	1,08
Median 50%	50%	0,41	1,30
75%	25%	0,28	1,83
84%	16%	0,24	2,06
90%	10%	0,20	2,33
95%	5%	0,15	2,71

Moments Statistics

Mean	1,12
Sorting	1,22
Skewness	-0,32
Kurtosis	1,54
Uniformity Coefficient	2,37

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

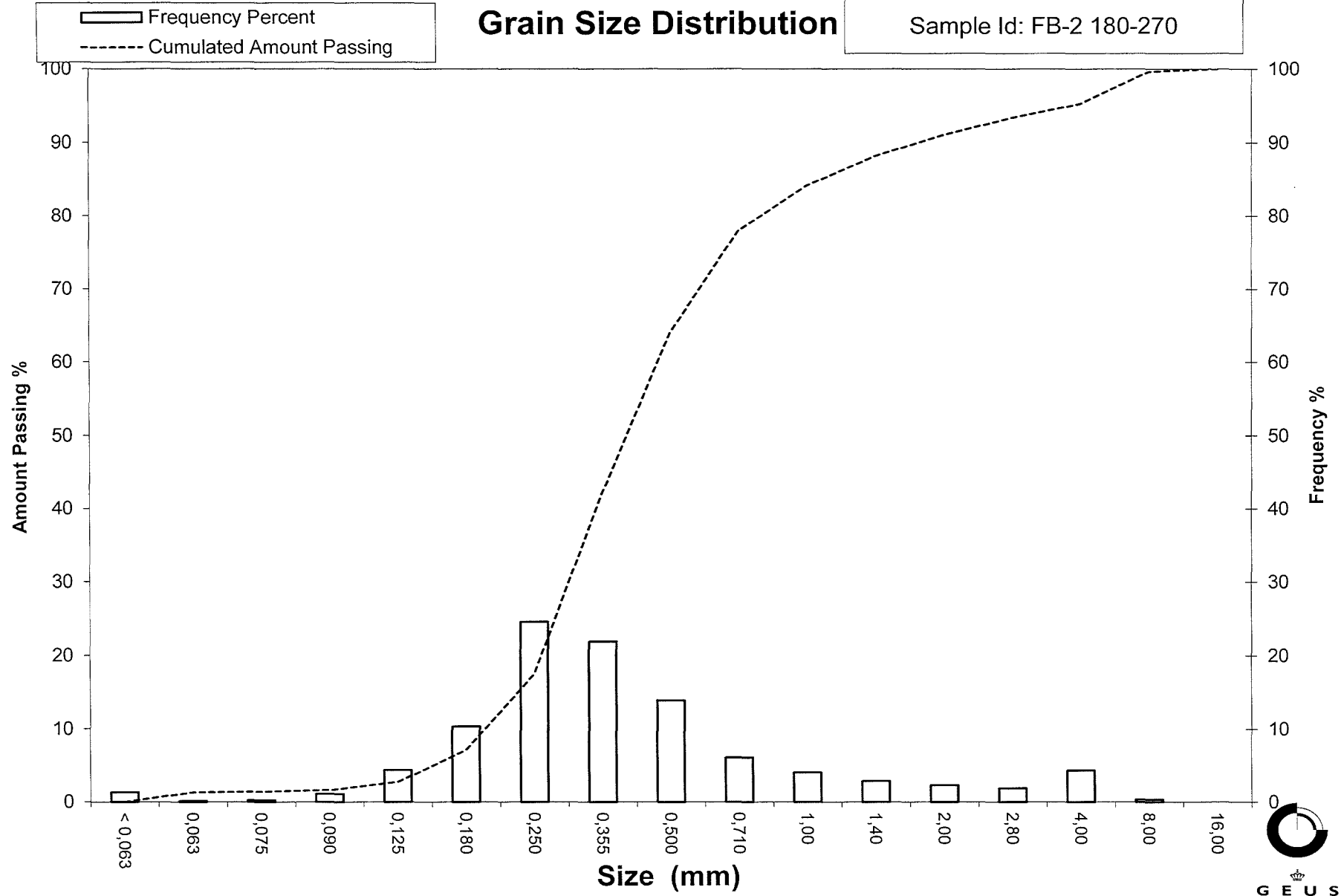
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: FB-2 180-270



Grain Size Distribution

Geotechnical

Sample Id: FB-3 0-40
Lab. Id: 150131
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 544,5 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	43,48	7,99	92,01
8,00	-3,00	68,57	12,59	79,42
4,00	-2,00	56,58	10,39	69,03
2,80	-1,49	27,62	5,07	63,96
2,00	-1,00	23,28	4,28	59,68
1,40	-0,49	21,19	3,89	55,79
1,00	0,00	22,53	4,14	51,65
0,710	0,49	19,39	3,56	48,09
0,500	1,00	32,31	5,93	42,16
0,355	1,49	57,15	10,50	31,66
0,250	2,00	98,79	18,14	13,52
0,180	2,47	52,41	9,63	3,89
0,125	3,00	16,25	2,98	0,91
0,090	3,47	1,82	0,33	0,57
0,075	3,74	0,30	0,06	0,52
0,063	3,99	0,22	0,04	0,48
< 0,063	> 3,99	2,61	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):	6,16
Sand, medium (0,2 mm - 0,6 mm):	38,34
Sand, coarse (0,6 mm - 2 mm):	14,70
Gravel (> 2 mm):	40,32
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	-----	-----
16%	84%	10,91	-3,45
25%	75%	6,30	-2,65
40%	60%	2,06	-1,04
Median 50%	50%	0,87	0,21
75%	25%	0,32	1,66
84%	16%	0,26	1,92
90%	10%	0,22	2,16
95%	5%	0,19	2,41

Moments Statistics

Mean	-0,44
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	9,18

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

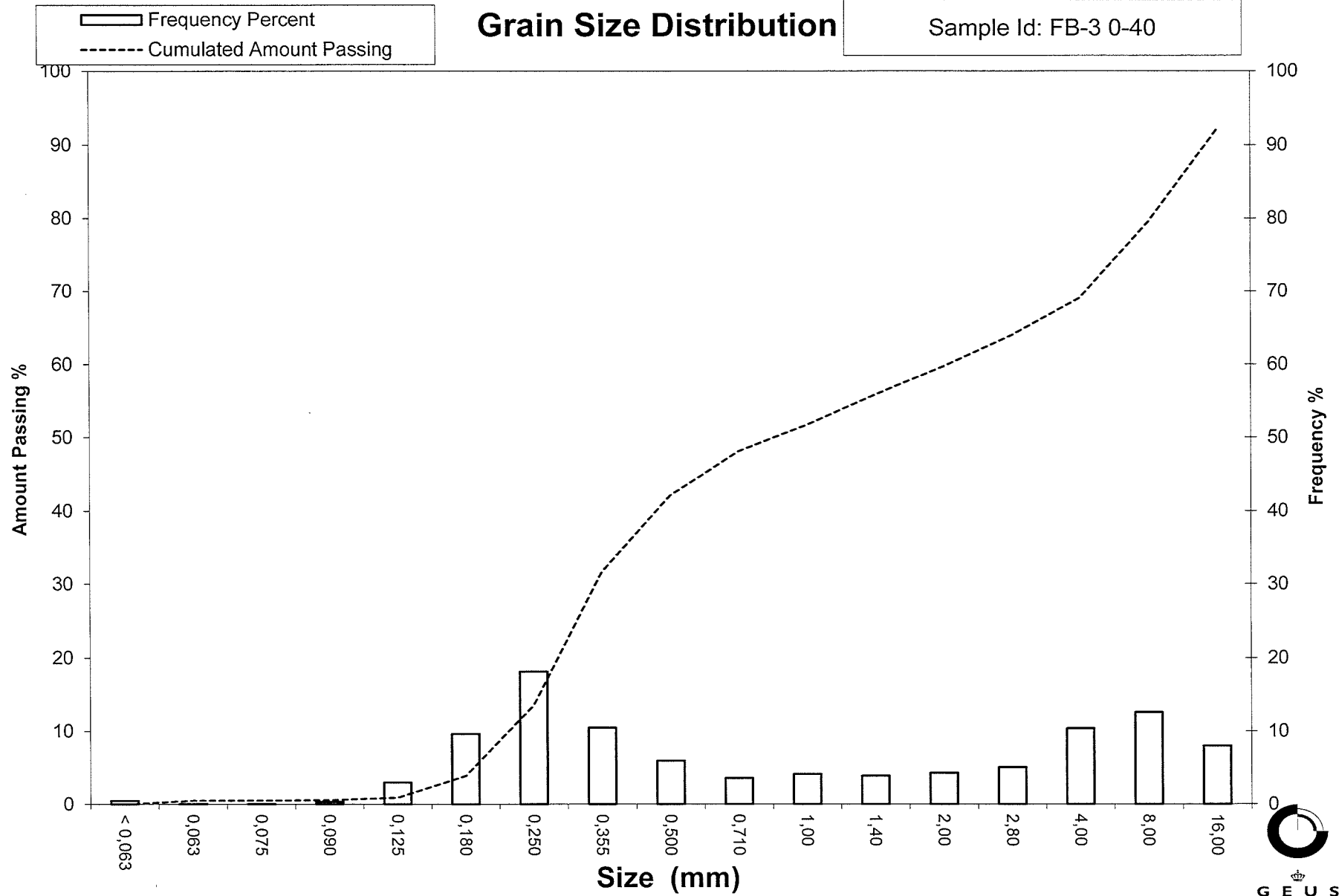
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: FB-3 0-40



Grain Size Distribution

Geotechnical

Sample Id: FB-3 45-100
Lab. Id: 150132
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 180,31 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	1,12	0,62	99,38
	2,80	-1,49	1,70	0,94	98,44
	2,00	-1,00	1,83	1,01	97,42
	1,40	-0,49	2,19	1,21	96,21
	1,00	0,00	4,77	2,65	93,56
	0,710	0,49	4,67	2,59	90,97
	0,500	1,00	8,34	4,63	86,35
	0,355	1,49	19,15	10,62	75,73
Sand	0,250	2,00	54,89	30,44	45,28
	0,180	2,47	49,54	27,47	17,81
	0,125	3,00	26,59	14,75	3,06
	0,090	3,47	2,41	1,34	1,72
	0,075	3,74	0,36	0,20	1,53
	0,063	3,99	0,24	0,13	1,39
	< 0,063	> 3,99	2,51	1,39	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,39
Sand, fine (0,063 mm - 0,200 mm):	24,27
Sand, medium (0,2 mm - 0,6 mm):	62,89
Sand, coarse (0,6 mm - 2 mm):	8,87
Gravel (> 2 mm):	2,58
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,22	-0,28
16%	84%	0,47	1,10
25%	75%	0,35	1,50
40%	60%	0,30	1,73
Median 50%	50%	0,27	1,91
75%	25%	0,20	2,33
84%	16%	0,17	2,53
90%	10%	0,15	2,73
95%	5%	0,13	2,92

Moments Statistics

Mean	1,84
Sorting	0,84
Skewness	-0,25
Kurtosis	1,58
Uniformity Coefficient	1,99

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

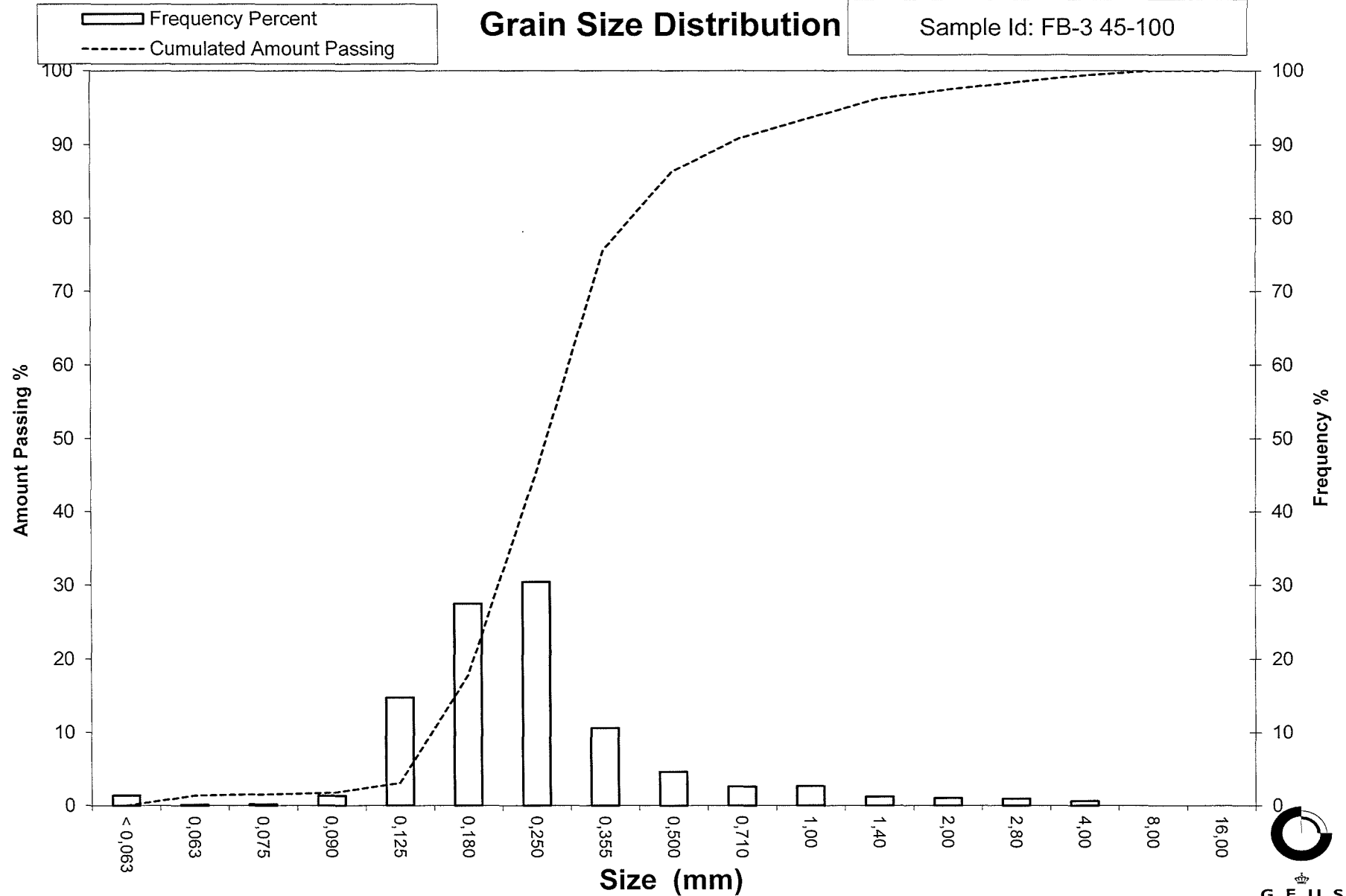
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

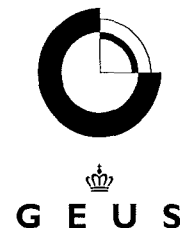
Sample Id: FB-3 45-100



Grain Size Distribution

Geotechnical

Sample Id: FB-4 0-45
Lab. Id: 150133
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 155,92 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	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	0,10	99,90
	2,80	-1,49	0,00	0,00	99,90
	2,00	-1,00	0,12	0,08	99,82
	1,40	-0,49	0,11	0,07	99,75
	1,00	0,00	0,11	0,07	99,68
	0,710	0,49	0,18	0,12	99,56
	0,500	1,00	0,50	0,32	99,24
	0,355	1,49	1,57	1,01	98,24
	0,250	2,00	8,38	5,37	92,86
	0,180	2,47	35,18	22,56	70,30
	0,125	3,00	88,94	57,04	13,26
	0,090	3,47	17,06	10,94	2,32
	0,075	3,74	1,15	0,74	1,58
	0,063	3,99	0,38	0,24	1,33
	< 0,063	> 3,99	2,08	1,33	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,33
Sand, fine (0,063 mm - 0,200 mm):	75,41
Sand, medium (0,2 mm - 0,6 mm):	22,65
Sand, coarse (0,6 mm - 2 mm):	0,42
Gravel (> 2 mm):	0,18
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,29	1,78
16%	84%	0,22	2,17
25%	75%	0,19	2,36
40%	60%	0,17	2,56
Median 50%	50%	0,16	2,64
75%	25%	0,14	2,87
84%	16%	0,13	2,97
90%	10%	0,11	3,13
95%	5%	0,10	3,34

Moments Statistics

Mean	2,59
Sorting	0,44
Skewness	-0,14
Kurtosis	1,25
Uniformity Coefficient	1,48

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

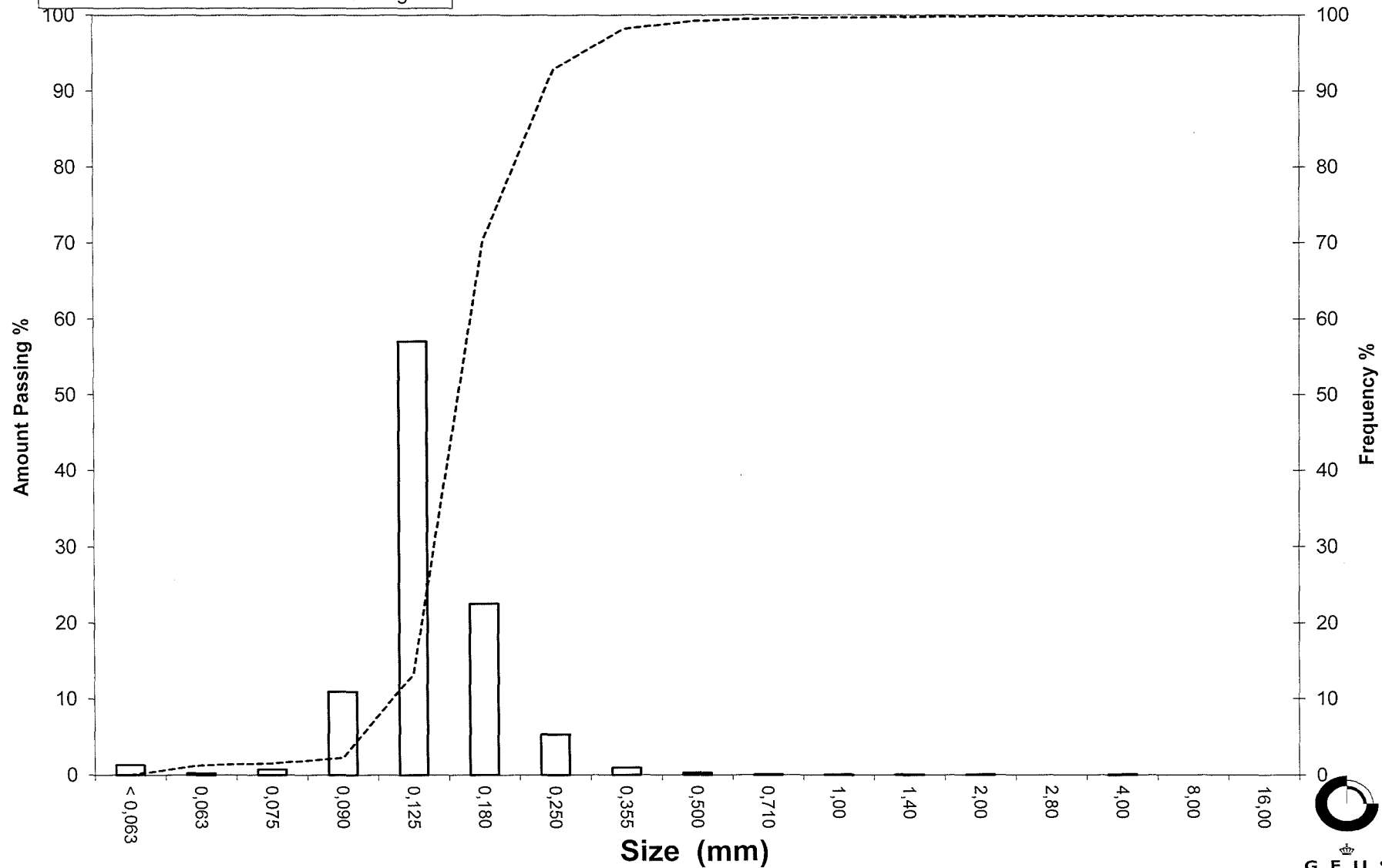
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: FB-4 0-45

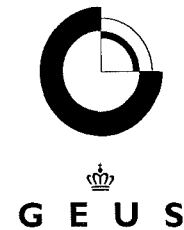
Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: FB-5 0-90
Lab. Id: 150134
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 146,89 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,12	0,08	99,92
	2,00	-1,00	0,05	0,03	99,88
	1,40	-0,49	0,20	0,14	99,75
	1,00	0,00	0,85	0,58	99,17
	0,710	0,49	2,96	2,02	97,15
	0,500	1,00	11,23	7,65	89,51
	0,355	1,49	30,97	21,08	68,43
	0,250	2,00	48,31	32,89	35,54
	0,180	2,47	27,80	18,93	16,61
	0,125	3,00	19,03	12,96	3,66
	0,090	3,47	3,47	2,36	1,29
	0,075	3,74	0,18	0,12	1,17
	0,063	3,99	0,05	0,03	1,14
	< 0,063	> 3,99	1,67	1,14	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,14
Sand, fine (0,063 mm - 0,200 mm):	20,88
Sand, medium (0,2 mm - 0,6 mm):	71,13
Sand, coarse (0,6 mm - 2 mm):	6,73
Gravel (> 2 mm):	0,12
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,65	0,62
16%	84%	0,46	1,11
25%	75%	0,40	1,32
40%	60%	0,33	1,61
Median 50%	50%	0,30	1,76
75%	25%	0,21	2,24
84%	16%	0,18	2,49
90%	10%	0,15	2,72
95%	5%	0,13	2,94

Moments Statistics

Mean	1,79
Sorting	0,70
Skewness	0,04
Kurtosis	1,03
Uniformity Coefficient	2,16

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

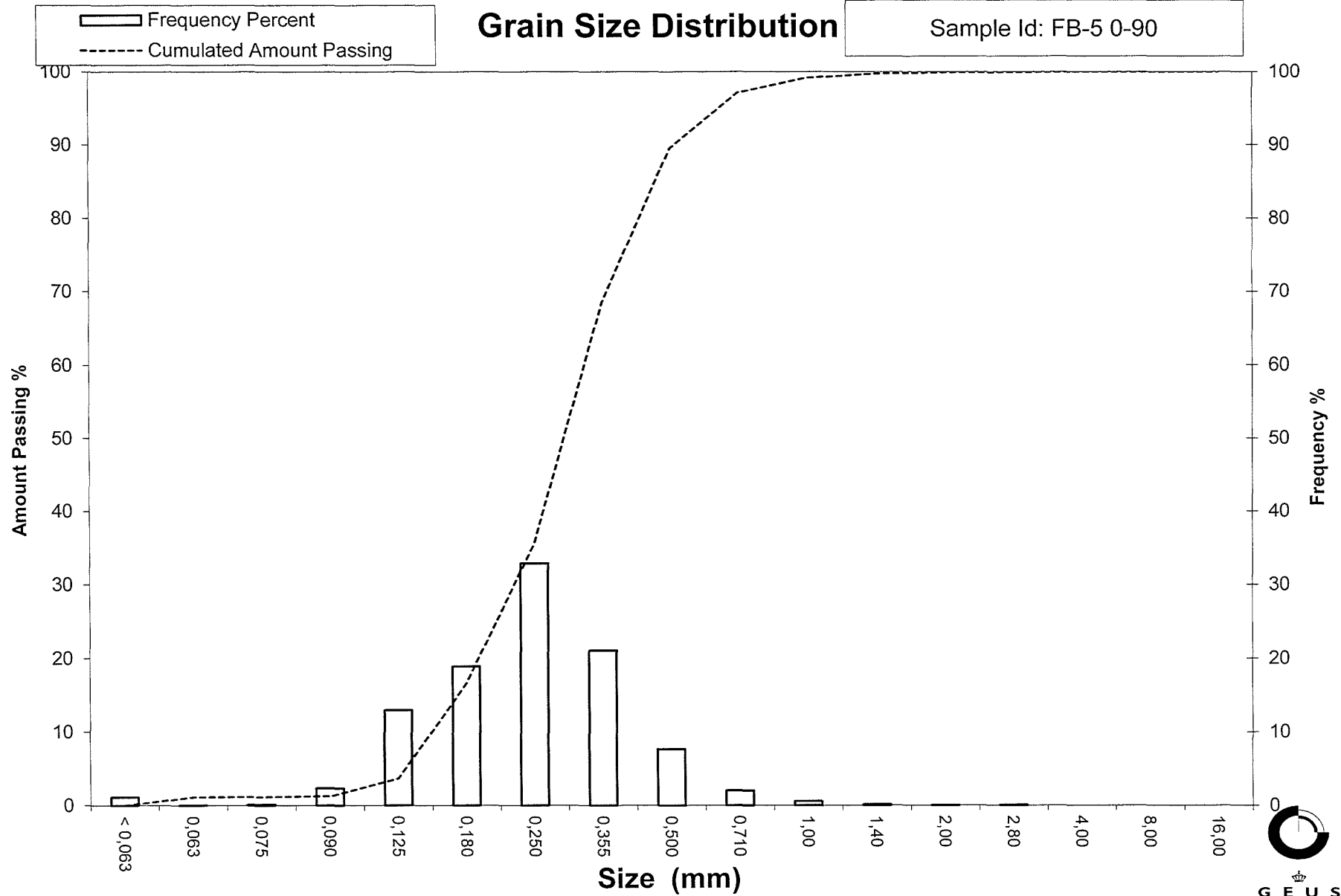
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: FB-5 0-90



Grain Size Distribution

Geotechnical

Sample Id: FB-5 210-240
Lab. Id: 150135
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 170,69 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	4,08	2,39	97,61
4,00	-2,00	5,81	3,40	94,21
2,80	-1,49	2,65	1,55	92,65
2,00	-1,00	4,35	2,55	90,10
1,40	-0,49	8,64	5,06	85,04
1,00	0,00	16,33	9,57	75,48
0,710	0,49	27,32	16,01	59,47
0,500	1,00	37,30	21,85	37,62
0,355	1,49	27,70	16,23	21,39
0,250	2,00	16,95	9,93	11,46
0,180	2,47	6,16	3,61	7,85
0,125	3,00	3,10	1,82	6,03
0,090	3,47	0,99	0,58	5,45
0,075	3,74	0,32	0,19	5,27
0,063	3,99	0,22	0,13	5,14
< 0,063	> 3,99	8,77	5,14	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,14
Sand, fine (0,063 mm - 0,200 mm):	3,74
Sand, medium (0,2 mm - 0,6 mm):	39,14
Sand, coarse (0,6 mm - 2 mm):	42,08
Gravel (> 2 mm):	9,90
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	4,93	-2,30
16%	84%	1,36	-0,44
25%	75%	0,99	0,01
40%	60%	0,72	0,47
Median 50%	50%	0,62	0,69
75%	25%	0,39	1,37
84%	16%	0,30	1,75
90%	10%	0,22	2,17
95%	5%	-----	-----

Moments Statistics

Mean	0,67
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	3,25

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

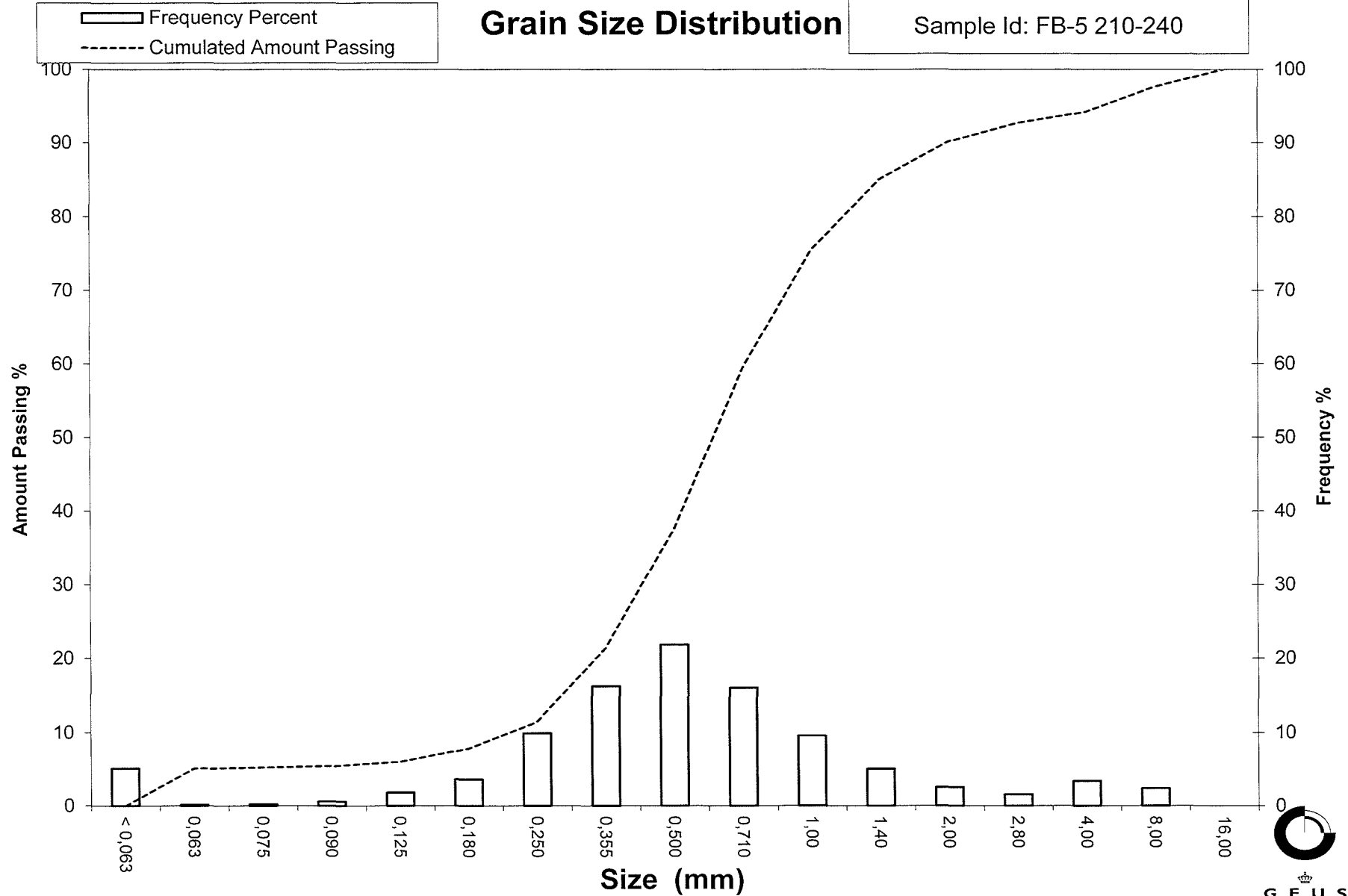
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

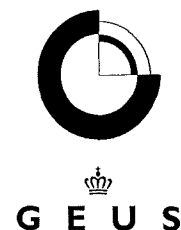
Sample Id: FB-5 210-240



Grain Size Distribution

Geotechnical

Sample Id: FB-6 20-150
Lab. Id: 150136
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 155,18 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,04	0,03	99,97
1,40	-0,49	0,08	0,05	99,92
1,00	0,00	0,14	0,09	99,83
0,710	0,49	0,24	0,15	99,68
0,500	1,00	0,69	0,44	99,23
0,355	1,49	3,21	2,07	97,16
0,250	2,00	17,33	11,17	86,00
0,180	2,47	34,45	22,20	63,80
0,125	3,00	83,01	53,49	10,30
0,090	3,47	10,61	6,84	3,47
0,075	3,74	1,45	0,93	2,53
0,063	3,99	0,83	0,53	2,00
< 0,063	> 3,99	3,10	2,00	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,00
Sand, fine (0,063 mm - 0,200 mm):	68,14
Sand, medium (0,2 mm - 0,6 mm):	29,31
Sand, coarse (0,6 mm - 2 mm):	0,53
Gravel (> 2 mm):	0,03
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,33	1,58
16%	84%	0,24	2,04
25%	75%	0,22	2,22
40%	60%	0,18	2,51
Median 50%	50%	0,17	2,59
75%	25%	0,14	2,84
84%	16%	0,13	2,93
90%	10%	0,12	3,02
95%	5%	0,10	3,35

Moments Statistics

Mean	2,52
Sorting	0,49
Skewness	-0,19
Kurtosis	1,17
Uniformity Coefficient	1,43

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

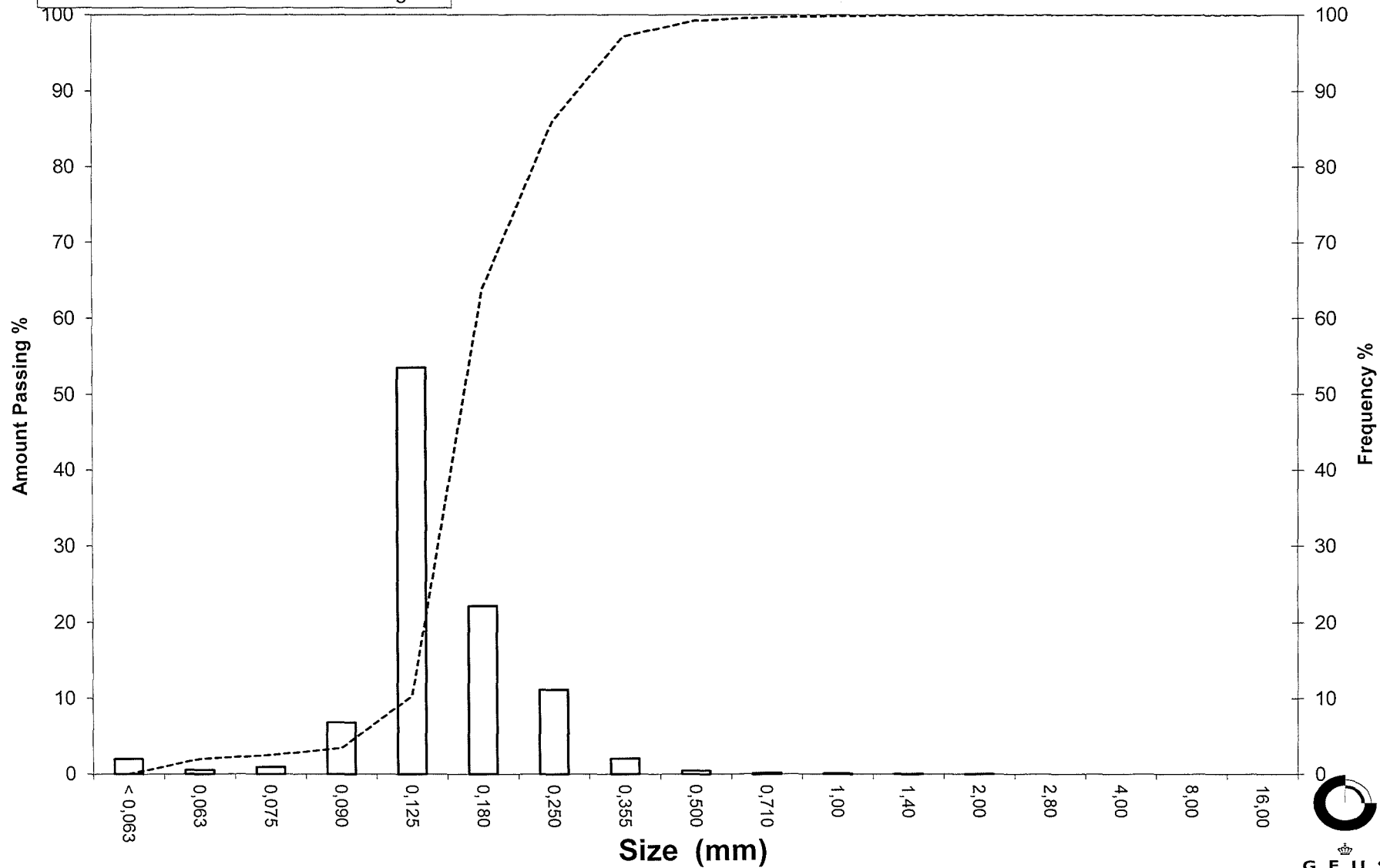
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: FB-6 20-150

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: FB-8 0-80
Lab. Id: 150137
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 154,13 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,31	0,20	99,80
	2,80	-1,49	0,36	0,23	99,57
	2,00	-1,00	0,62	0,40	99,16
	1,40	-0,49	0,73	0,47	98,69
	1,00	0,00	1,99	1,29	97,40
	0,710	0,49	2,78	1,80	95,59
	0,500	1,00	9,09	5,90	89,70
	0,355	1,49	35,95	23,32	66,37
	0,250	2,00	59,40	38,54	27,83
	0,180	2,47	23,48	15,23	12,60
	0,125	3,00	15,25	9,89	2,71
	0,090	3,47	2,36	1,53	1,17
	0,075	3,74	0,09	0,06	1,12
	0,063	3,99	0,02	0,01	1,10
	< 0,063	> 3,99	1,70	1,10	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,10
Sand, fine (0,063 mm - 0,200 mm):	15,85
Sand, medium (0,2 mm - 0,6 mm):	75,55
Sand, coarse (0,6 mm - 2 mm):	6,66
Gravel (> 2 mm):	0,84
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,69	0,54
16%	84%	0,46	1,11
25%	75%	0,41	1,29
40%	60%	0,34	1,57
Median 50%	50%	0,31	1,69
75%	25%	0,24	2,08
84%	16%	0,20	2,35
90%	10%	0,17	2,59
95%	5%	0,14	2,86

Moments Statistics

Mean	1,72
Sorting	0,66
Skewness	0,04
Kurtosis	1,21
Uniformity Coefficient	2,04

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

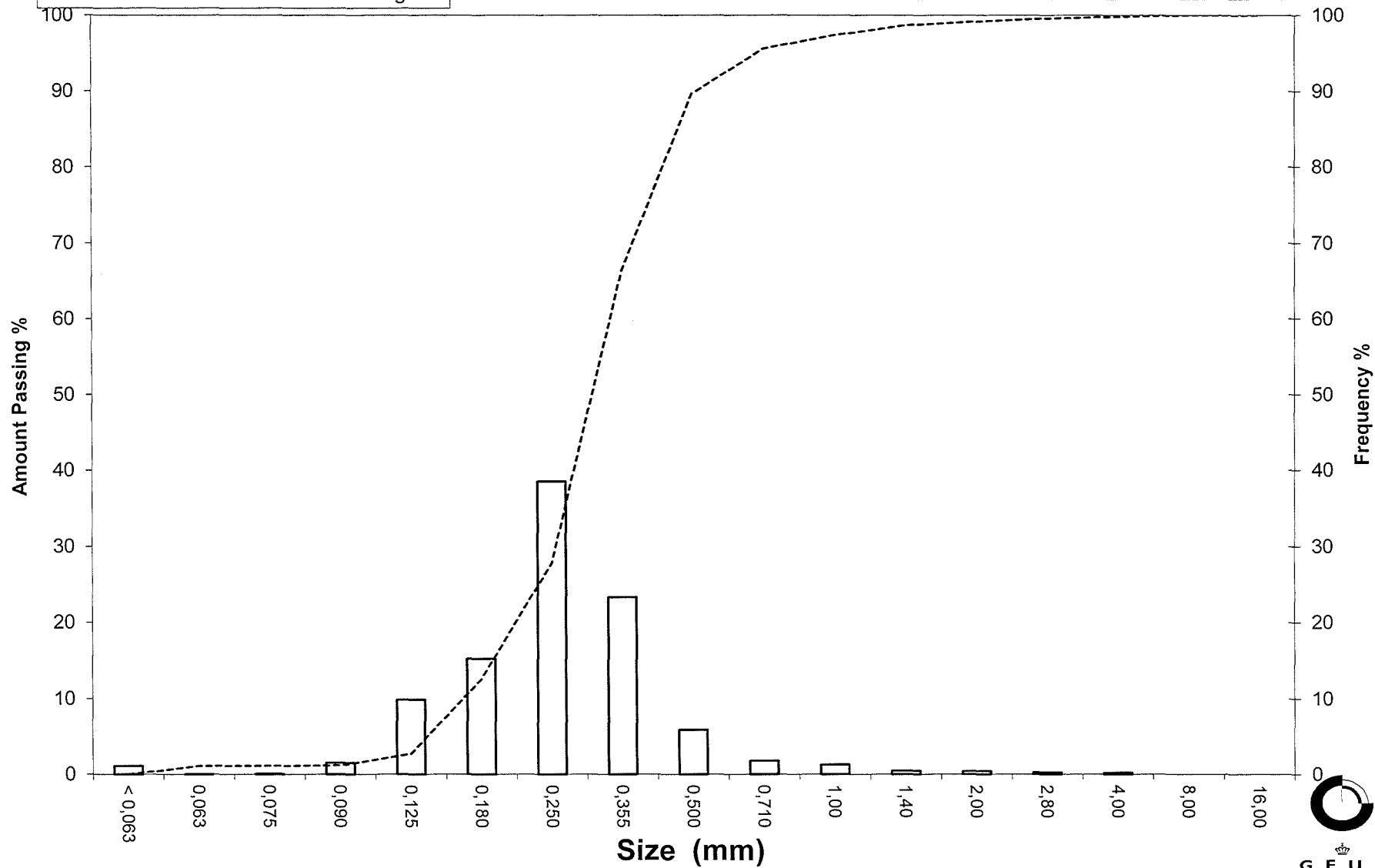
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: FB-8 0-80

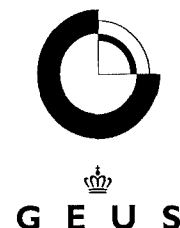
Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: FB-9 80-170
Lab. Id: 150138
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 155,64 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,00	0,00	100,00
	1,40	-0,49	0,07	0,04	99,96
	1,00	0,00	0,06	0,04	99,92
	0,710	0,49	0,19	0,12	99,79
	0,500	1,00	1,31	0,84	98,95
	0,355	1,49	10,77	6,92	92,03
	0,250	2,00	42,57	27,35	64,68
	0,180	2,47	43,92	28,22	36,46
	0,125	3,00	40,70	26,15	10,31
	0,090	3,47	10,57	6,79	3,52
	0,075	3,74	1,66	1,07	2,45
	0,063	3,99	0,86	0,55	1,90
	< 0,063	> 3,99	2,96	1,90	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,90
Sand, fine (0,063 mm - 0,200 mm):	42,62
Sand, medium (0,2 mm - 0,6 mm):	54,83
Sand, coarse (0,6 mm - 2 mm):	0,65
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,42	1,26
16%	84%	0,32	1,63
25%	75%	0,29	1,79
40%	60%	0,24	2,07
Median 50%	50%	0,21	2,23
75%	25%	0,16	2,68
84%	16%	0,14	2,87
90%	10%	0,12	3,02
95%	5%	0,10	3,36

Moments Statistics

Mean	2,24
Sorting	0,63
Skewness	0,05
Kurtosis	0,96
Uniformity Coefficient	1,93

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

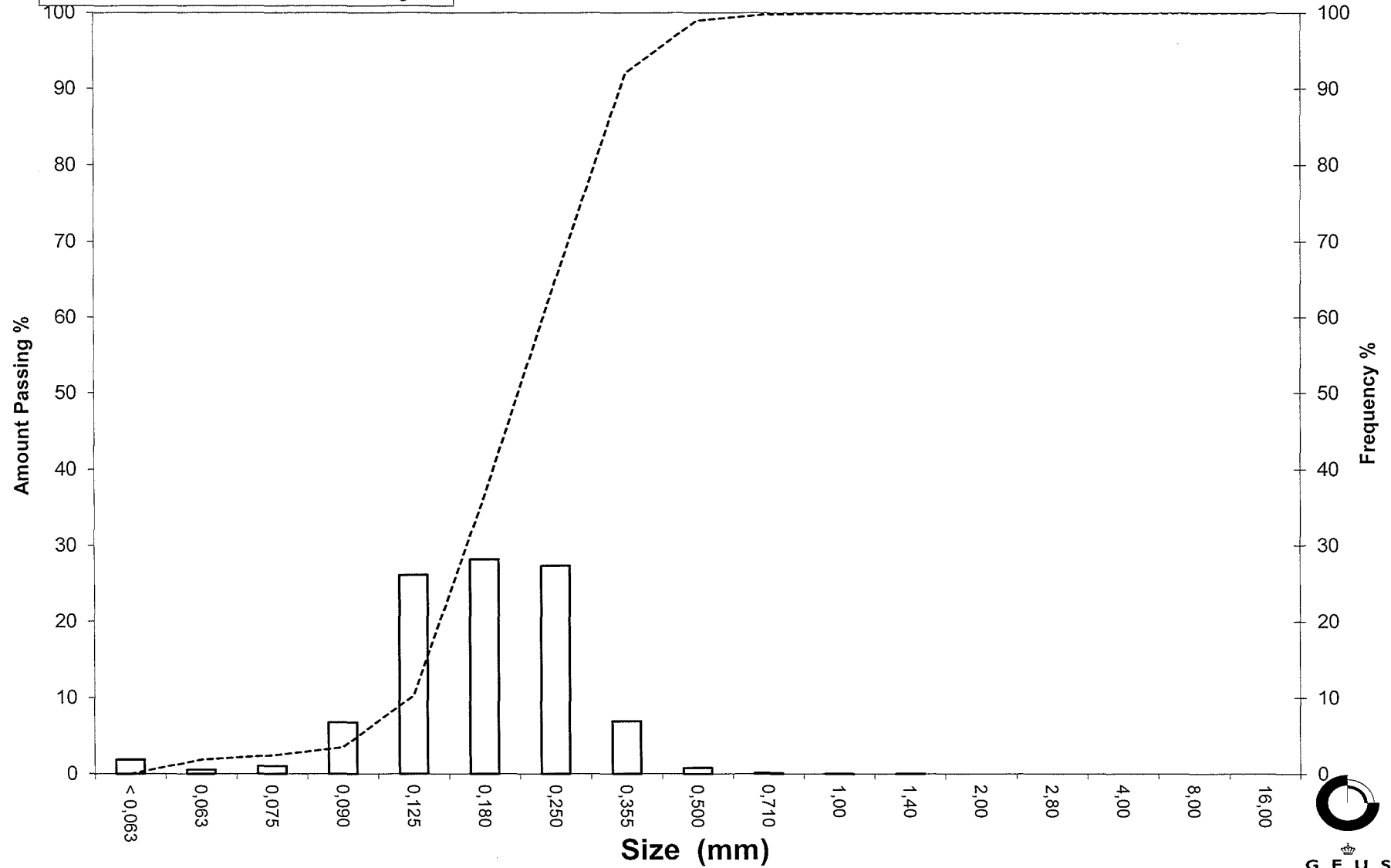
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: FB-9 80-170



Grain Size Distribution

Geotechnical

Sample Id: FB-9 200-300
Lab. Id: 150139
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 162,11 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,72	0,44	99,56
2,00	-1,00	1,36	0,84	98,72
1,40	-0,49	3,05	1,88	96,84
1,00	0,00	5,39	3,32	93,51
0,710	0,49	8,83	5,45	88,06
0,500	1,00	18,79	11,59	76,47
0,355	1,49	28,96	17,86	58,61
0,250	2,00	35,99	22,20	36,41
0,180	2,47	21,45	13,23	23,18
0,125	3,00	19,58	12,08	11,10
0,090	3,47	6,30	3,89	7,21
0,075	3,74	1,01	0,62	6,59
0,063	3,99	0,69	0,43	6,16
< 0,063	> 3,99	9,99	6,16	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	6,16
Sand, fine (0,063 mm - 0,200 mm):	20,79
Sand, medium (0,2 mm - 0,6 mm):	55,04
Sand, coarse (0,6 mm - 2 mm):	16,72
Gravel (> 2 mm):	1,28
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,18	-0,24
16%	84%	0,64	0,65
25%	75%	0,49	1,03
40%	60%	0,37	1,45
Median 50%	50%	0,31	1,67
75%	25%	0,19	2,40
84%	16%	0,15	2,76
90%	10%	0,12	3,12
95%	5%	-----	-----

Moments Statistics

Mean	1,69
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	3,18

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

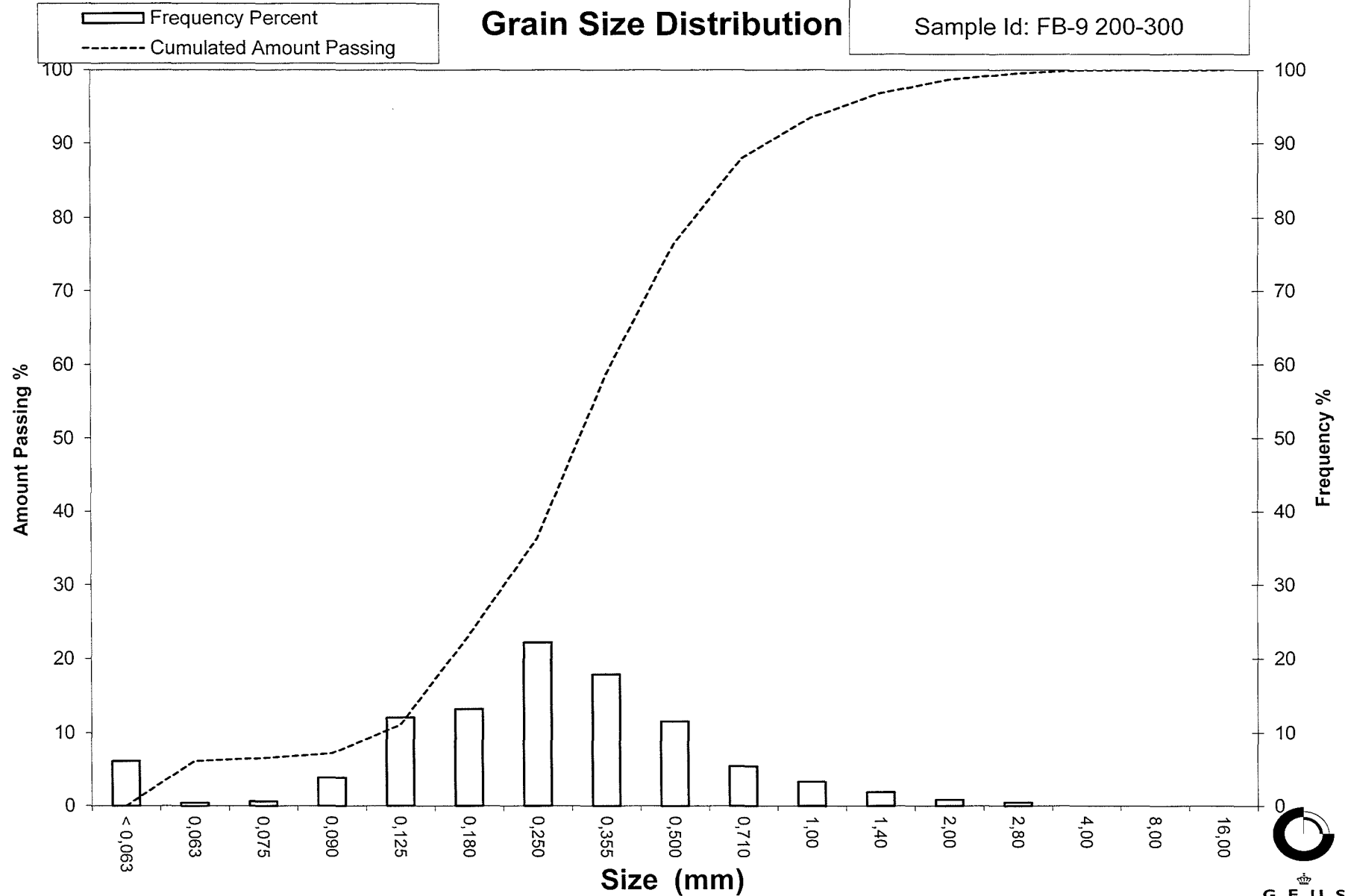
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: FB-9 200-300



Grain Size Distribution

Geotechnical

Sample Id: FB-11 50-150
Lab. Id: 150140
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks: >32mm (460g) indgår i >16mm



Total Weight 2495,53 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	772,18	30,94	69,06
	8,00	-3,00	273,10	10,94	58,11
	4,00	-2,00	196,93	7,89	50,22
	2,80	-1,49	81,33	3,26	46,96
	2,00	-1,00	66,58	2,67	44,30
	1,40	-0,49	74,69	2,99	41,30
	1,00	0,00	95,10	3,81	37,49
	0,710	0,49	156,84	6,28	31,21
	0,500	1,00	322,26	12,91	18,29
	0,355	1,49	253,06	10,14	8,15
Sand	0,250	2,00	124,86	5,00	3,15
	0,180	2,47	34,99	1,40	1,75
	0,125	3,00	14,23	0,57	1,18
	0,090	3,47	4,37	0,18	1,00
	0,075	3,74	1,37	0,05	0,95
	0,063	3,99	0,94	0,04	0,91
	< 0,063	> 3,99	22,70	0,91	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,91
Sand, fine (0,063 mm - 0,200 mm):	1,24
Sand, medium (0,2 mm - 0,6 mm):	22,29
Sand, coarse (0,6 mm - 2 mm):	19,85
Gravel (> 2 mm):	55,70
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	-----	-----
16%	84%	-----	-----
25%	75%	-----	-----
40%	60%	9,38	-3,23
Median 50%	50%	3,92	-1,97
75%	25%	0,61	0,72
84%	16%	0,47	1,10
90%	10%	0,38	1,39
95%	5%	0,29	1,79

Moments Statistics

Mean	-0,44
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	24,59

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

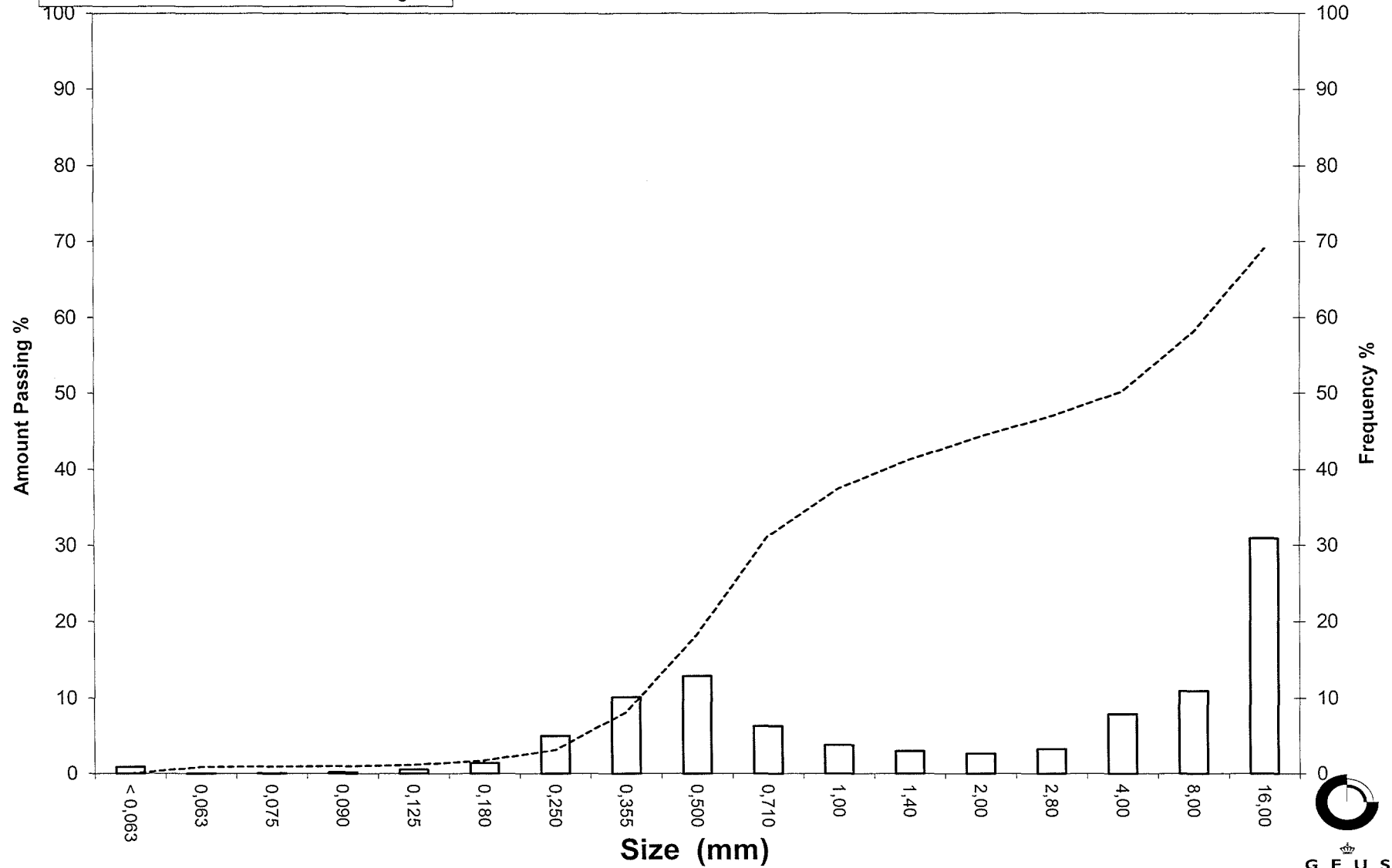
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

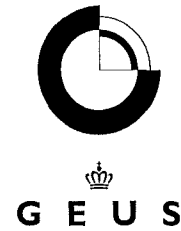
Sample Id: FB-11 50-150



Grain Size Distribution

Geotechnical

Sample Id: FB-12 70-100
Lab. Id: 150141
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 470,89 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	12,70	2,70	97,30
8,00	-3,00	11,32	2,40	94,90
4,00	-2,00	22,19	4,71	90,19
2,80	-1,49	22,35	4,75	85,44
2,00	-1,00	34,22	7,27	78,17
1,40	-0,49	54,70	11,62	66,56
1,00	0,00	57,83	12,28	54,28
0,710	0,49	44,03	9,35	44,93
0,500	1,00	44,73	9,50	35,43
0,355	1,49	36,91	7,84	27,59
0,250	2,00	39,28	8,34	19,25
0,180	2,47	37,24	7,91	11,34
0,125	3,00	39,75	8,44	2,90
0,090	3,47	9,91	2,10	0,79
0,075	3,74	0,82	0,17	0,62
0,063	3,99	0,29	0,06	0,56
< 0,063	> 3,99	2,62	0,56	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,56
Sand, fine (0,063 mm - 0,200 mm):	13,04
Sand, medium (0,2 mm - 0,6 mm):	26,35
Sand, coarse (0,6 mm - 2 mm):	38,22
Gravel (> 2 mm):	21,83
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	8,34	-3,06
16%	84%	2,64	-1,40
25%	75%	1,84	-0,88
40%	60%	1,19	-0,25
Median 50%	50%	0,87	0,21
75%	25%	0,32	1,63
84%	16%	0,22	2,18
90%	10%	0,17	2,55
95%	5%	0,14	2,85

Moments Statistics

Mean	0,33
Sorting	1,79
Skewness	0,00
Kurtosis	0,97
Uniformity Coefficient	6,93

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

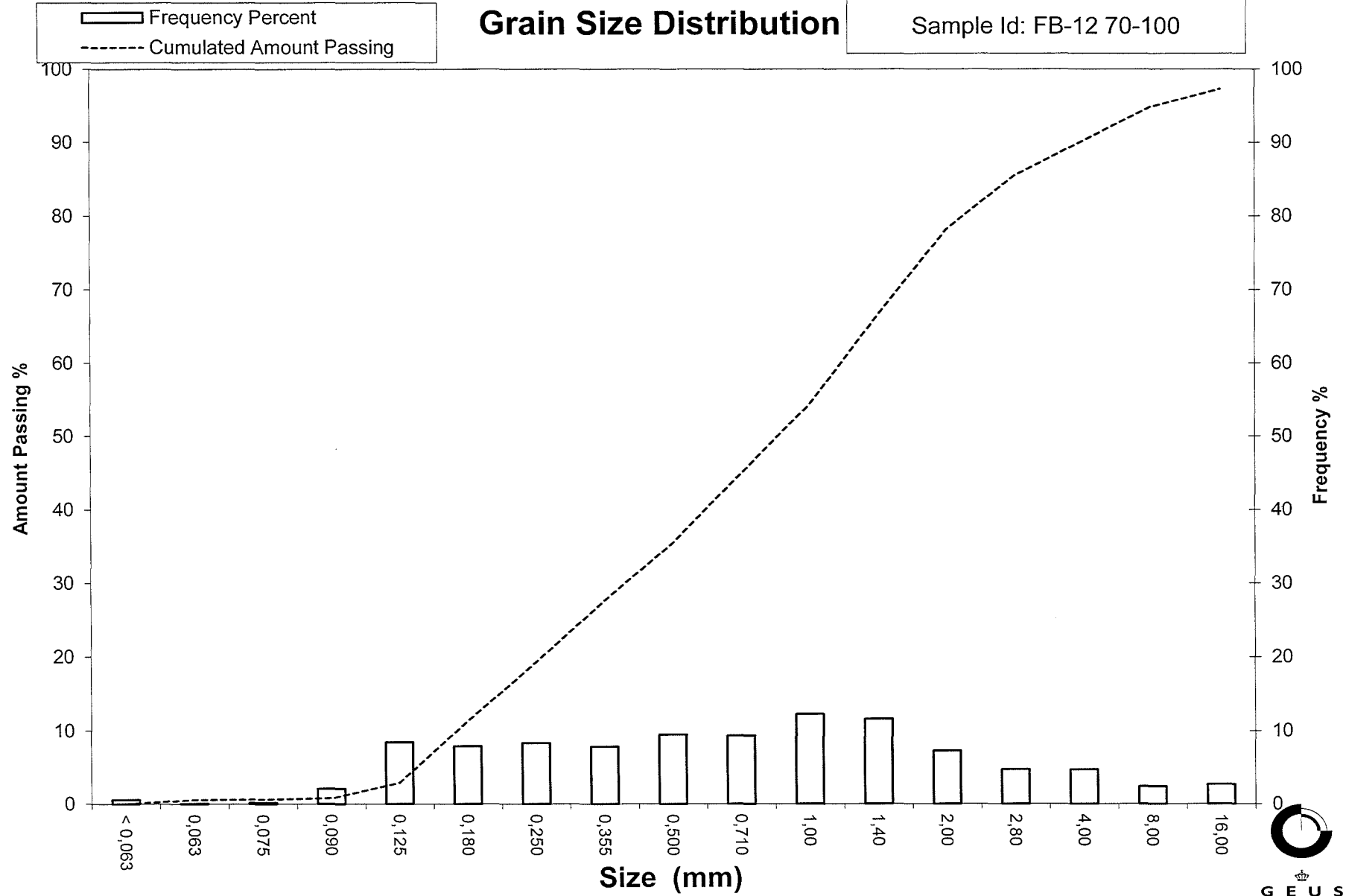
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: FB-12 70-100



Grain Size Distribution

Geotechnical

Sample Id: FB-12 100-150
Lab. Id: 150142
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 163,29 g

Size Fractions

Sieve Analysis	Gravel		Sand	Gravel		Sand	Gravel		Sand
	16,00	-4,00		0,00	0,00		100,00		
	8,00	-3,00		0,00	0,00		100,00		
	4,00	-2,00		0,51	0,31		99,69		
	2,80	-1,49		0,24	0,15		99,54		
	2,00	-1,00		0,32	0,20		99,34		
	1,40	-0,49		0,44	0,27		99,08		
	1,00	0,00		0,73	0,45		98,63		
	0,710	0,49		1,00	0,61		98,02		
	0,500	1,00		2,64	1,62		96,40		
	0,355	1,49		11,78	7,21		89,18		
	0,250	2,00		52,79	32,33		56,86		
	0,180	2,47		57,83	35,42		21,44		
	0,125	3,00		24,17	14,80		6,64		
	0,090	3,47		4,87	2,98		3,66		
	0,075	3,74		1,18	0,72		2,93		
	0,063	3,99		0,75	0,46		2,47		
< 0,063	> 3,99	4,04	2,47	0,00					

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,47
Sand, fine (0,063 mm - 0,200 mm):	29,08
Sand, medium (0,2 mm - 0,6 mm):	65,61
Sand, coarse (0,6 mm - 2 mm):	2,18
Gravel (> 2 mm):	0,66
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,47	1,08
16%	84%	0,34	1,56
25%	75%	0,31	1,69
40%	60%	0,26	1,94
Median 50%	50%	0,24	2,08
75%	25%	0,19	2,42
84%	16%	0,16	2,65
90%	10%	0,14	2,86
95%	5%	0,11	3,24

Moments Statistics

Mean	2,10
Sorting	0,60
Skewness	0,06
Kurtosis	1,22
Uniformity Coefficient	1,89

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

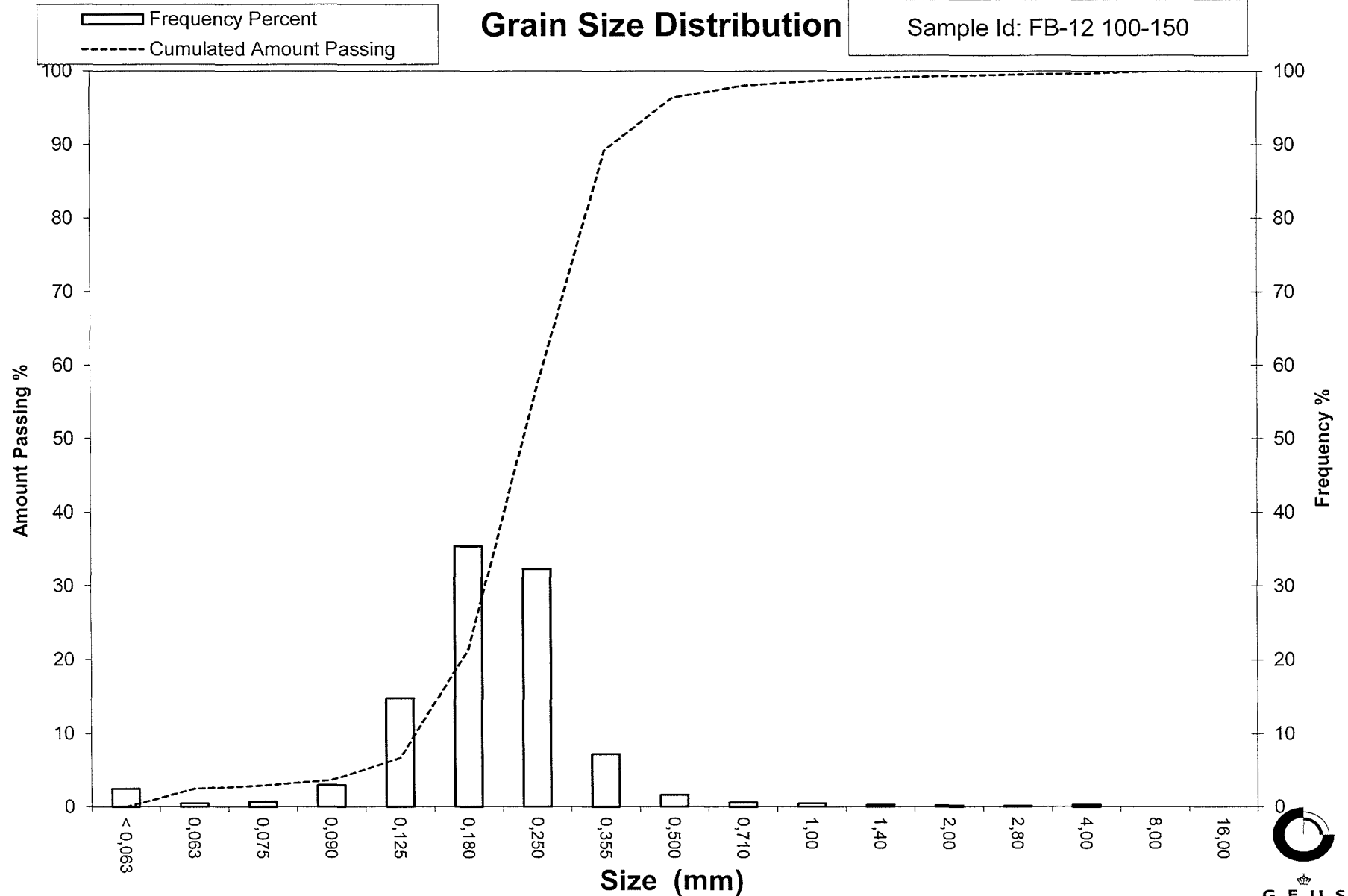
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: FB-12 100-150



Grain Size Distribution

Geotechnical

Sample Id: FB-13 150-250
Lab. Id: 150143
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 144,63 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	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	0,10	99,90
	2,80	-1,49	0,04	0,03	99,87
	2,00	-1,00	0,00	0,00	99,87
	1,40	-0,49	0,01	0,01	99,86
	1,00	0,00	0,05	0,03	99,83
	0,710	0,49	0,10	0,07	99,76
	0,500	1,00	0,18	0,12	99,63
	0,355	1,49	0,41	0,28	99,35
	0,250	2,00	0,83	0,57	98,78
	0,180	2,47	2,36	1,63	97,14
	0,125	3,00	68,23	47,18	49,97
	0,090	3,47	61,68	42,65	7,32
	0,075	3,74	5,78	4,00	3,33
	0,063	3,99	1,46	1,01	2,32
	< 0,063	> 3,99	3,35	2,32	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,32
Sand, fine (0,063 mm - 0,200 mm):	95,29
Sand, medium (0,2 mm - 0,6 mm):	2,08
Sand, coarse (0,6 mm - 2 mm):	0,18
Gravel (> 2 mm):	0,13
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,18	2,49
16%	84%	0,16	2,60
25%	75%	0,15	2,70
40%	60%	0,14	2,87
Median 50%	50%	0,13	3,00
75%	25%	0,10	3,26
84%	16%	0,10	3,36
90%	10%	0,09	3,44
95%	5%	0,08	3,62

Moments Statistics

Mean	2,99
Sorting	0,36
Skewness	0,03
Kurtosis	0,82
Uniformity Coefficient	1,48

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

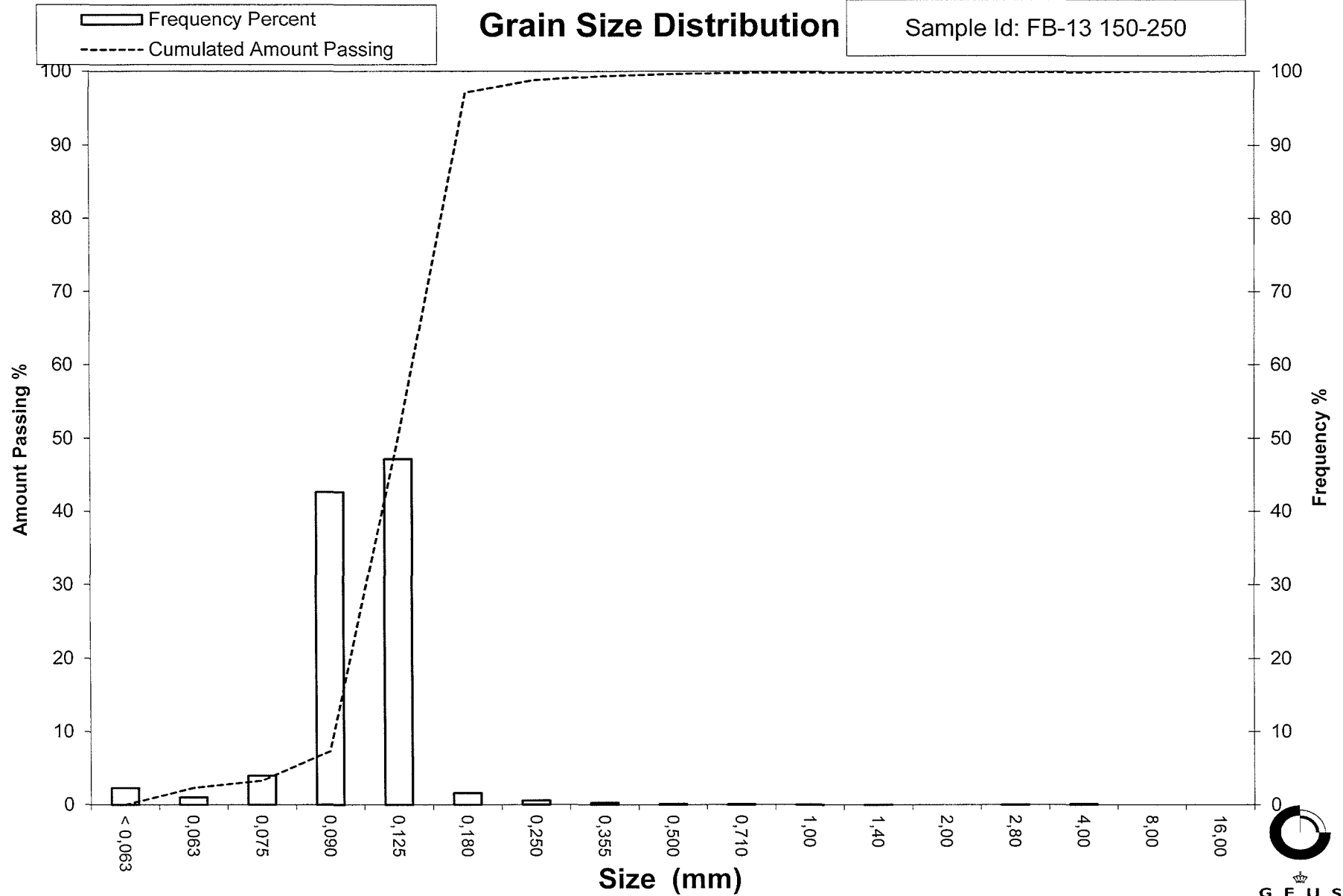
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

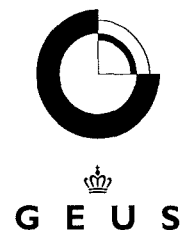
Sample Id: FB-13 150-250



Grain Size Distribution

Geotechnical

Sample Id: FB-14 50-150
Lab. Id: 150144
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 148,17 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	0,00	0,00	100,00
	1,40	-0,49	0,04	0,03	99,97
	1,00	0,00	0,04	0,03	99,95
	0,710	0,49	0,06	0,04	99,91
	0,500	1,00	0,13	0,09	99,82
	0,355	1,49	0,22	0,15	99,67
	0,250	2,00	0,60	0,40	99,26
	0,180	2,47	6,65	4,49	94,78
	0,125	3,00	92,20	62,23	32,55
	0,090	3,47	44,20	29,83	2,72
	0,075	3,74	2,05	1,38	1,34
	0,063	3,99	0,44	0,30	1,04
	< 0.063	> 3.99	1.54	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):	95,02
Sand, medium (0,2 mm - 0,6 mm):	3,80
Sand, coarse (0,6 mm - 2 mm):	0,14
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,18	2,45
16%	84%	0,17	2,55
25%	75%	0,16	2,62
40%	60%	0,15	2,74
Median 50%	50%	0,14	2,83
75%	25%	0,12	3,11
84%	16%	0,11	3,24
90%	10%	0,10	3,34
95%	5%	0,09	3,43

Moments Statistics

Mean	2,88
Sorting	0,32
Skewness	0,20
Kurtosis	0,83
Uniformity Coefficient	1,51

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

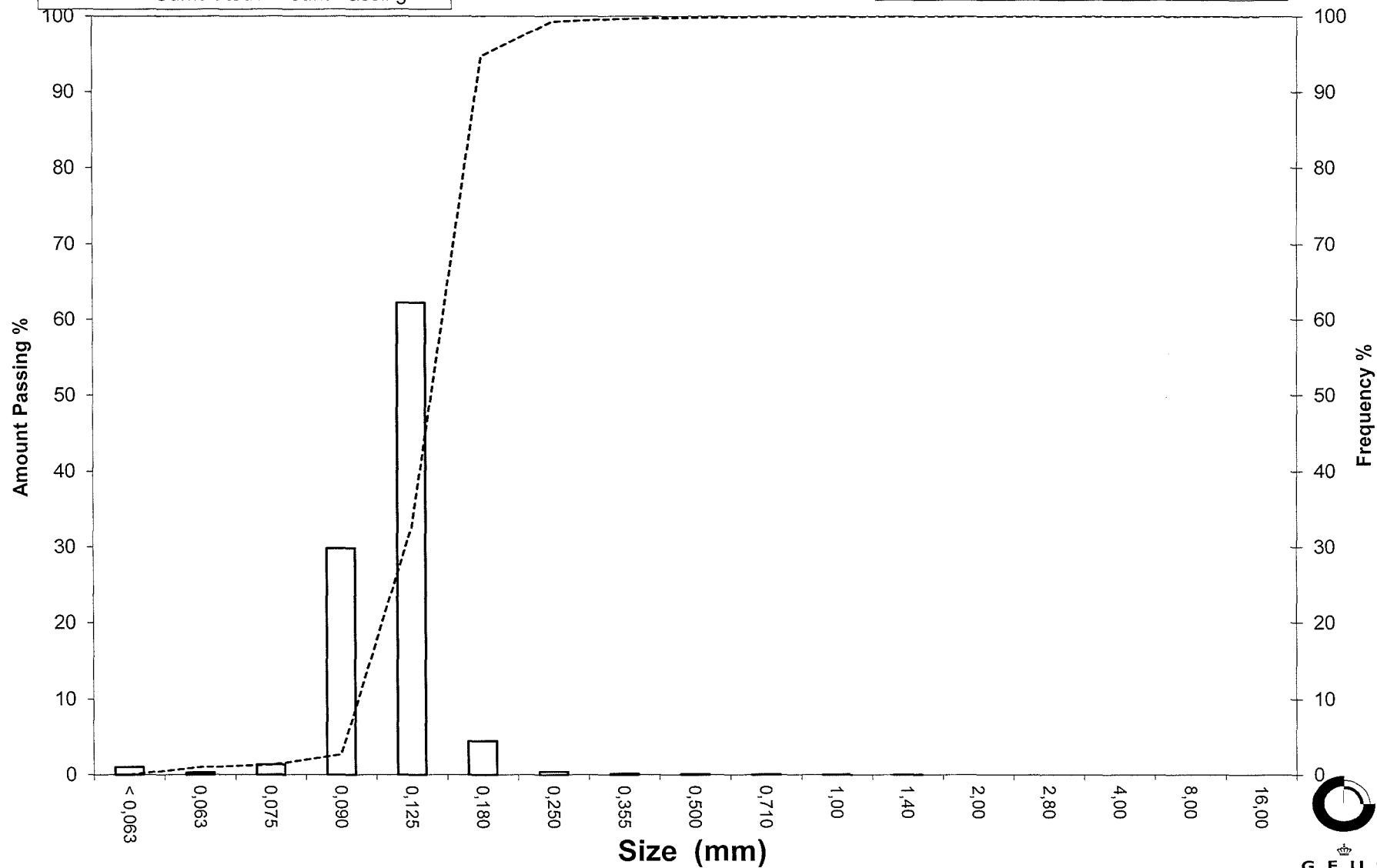
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: FB-14 50-150

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: FB-15 50-110
Lab. Id: 150145
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks: >32mm (709 g) indgår i 16mm



Total Weight 2243,84 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	
Sieve Analysis	16,00	-4,00	911,66	40,63	59,37
	8,00	-3,00	113,09	5,04	54,33
	4,00	-2,00	52,07	2,32	52,01
	2,80	-1,49	27,78	1,24	50,77
	2,00	-1,00	21,90	0,98	49,80
	1,40	-0,49	22,21	0,99	48,81
	1,00	0,00	24,18	1,08	47,73
	0,710	0,49	27,95	1,25	46,48
	0,500	1,00	50,41	2,25	44,24
	0,355	1,49	67,38	3,00	41,23
	0,250	2,00	135,01	6,02	35,22
	0,180	2,47	218,95	9,76	25,46
	0,125	3,00	394,21	17,57	7,89
	0,090	3,47	124,11	5,53	2,36
	0,075	3,74	8,20	0,37	1,99
	0,063	3,99	4,18	0,19	1,81
	< 0,063	> 3,99	40,55	1,81	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,81
Sand, fine (0,063 mm - 0,200 mm):	26,44
Sand, medium (0,2 mm - 0,6 mm):	17,06
Sand, coarse (0,6 mm - 2 mm):	4,49
Gravel (> 2 mm):	50,20
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	-----	-----
16%	84%	-----	-----
25%	75%	-----	-----
40%	60%	-----	-----
Median 50%	50%	2,17	-1,12
75%	25%	0,18	2,49
84%	16%	0,15	2,73
90%	10%	0,13	2,93
95%	5%	0,11	3,23

Moments Statistics

Mean	0,81
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

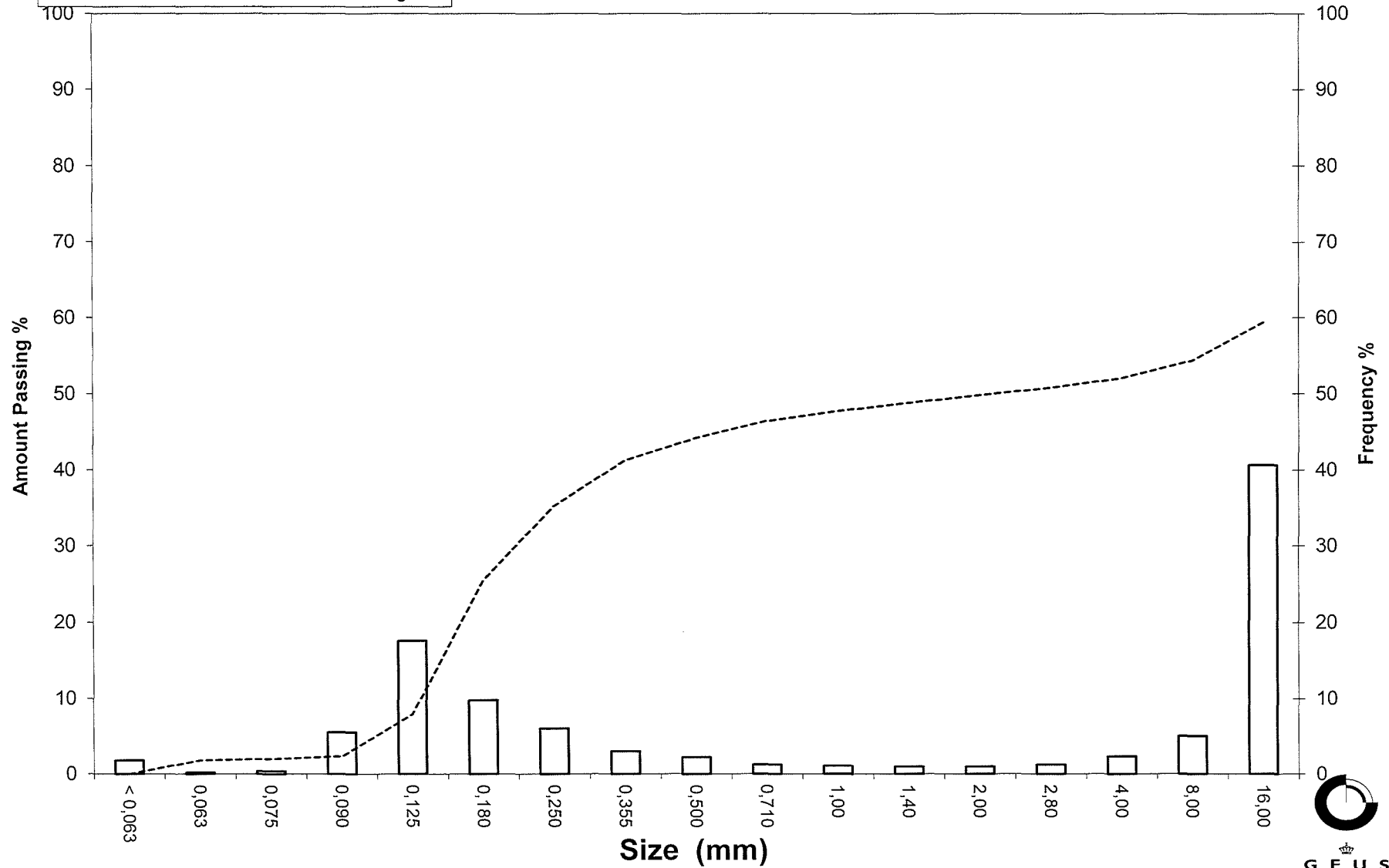
Skewness ($\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}$) / (2 * ($\phi_{84\%} - \phi_{16\%}$)) + ($\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}$) / (2 * ($\phi_{95\%} - \phi_{5\%}$)) (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: FB-15 50-110

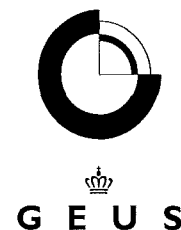
Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: FB-15 200-300
Lab. Id: 150146
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 164,4 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	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	0,06	0,04	99,96
	1,40	-0,49	0,06	0,04	99,93
	1,00	0,00	0,15	0,09	99,84
	0,710	0,49	0,22	0,13	99,70
	0,500	1,00	0,62	0,38	99,32
	0,355	1,49	2,92	1,78	97,55
	0,250	2,00	17,70	10,77	86,78
	0,180	2,47	62,40	37,96	48,83
	0,125	3,00	69,17	42,07	6,75
	0,090	3,47	8,61	5,24	1,51
	0,075	3,74	0,59	0,36	1,16
	0,063	3,99	0,21	0,13	1,03
	< 0,063	> 3,99	1,69	1,03	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,03
Sand, fine (0,063 mm - 0,200 mm):	58,64
Sand, medium (0,2 mm - 0,6 mm):	39,83
Sand, coarse (0,6 mm - 2 mm):	0,46
Gravel (> 2 mm):	0,04
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,33	1,60
16%	84%	0,24	2,03
25%	75%	0,23	2,13
40%	60%	0,20	2,32
Median 50%	50%	0,18	2,46
75%	25%	0,15	2,75
84%	16%	0,14	2,87
90%	10%	0,13	2,95
95%	5%	0,11	3,14

Moments Statistics

Mean	2,45
Sorting	0,44
Skewness	-0,07
Kurtosis	1,03
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 $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

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

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

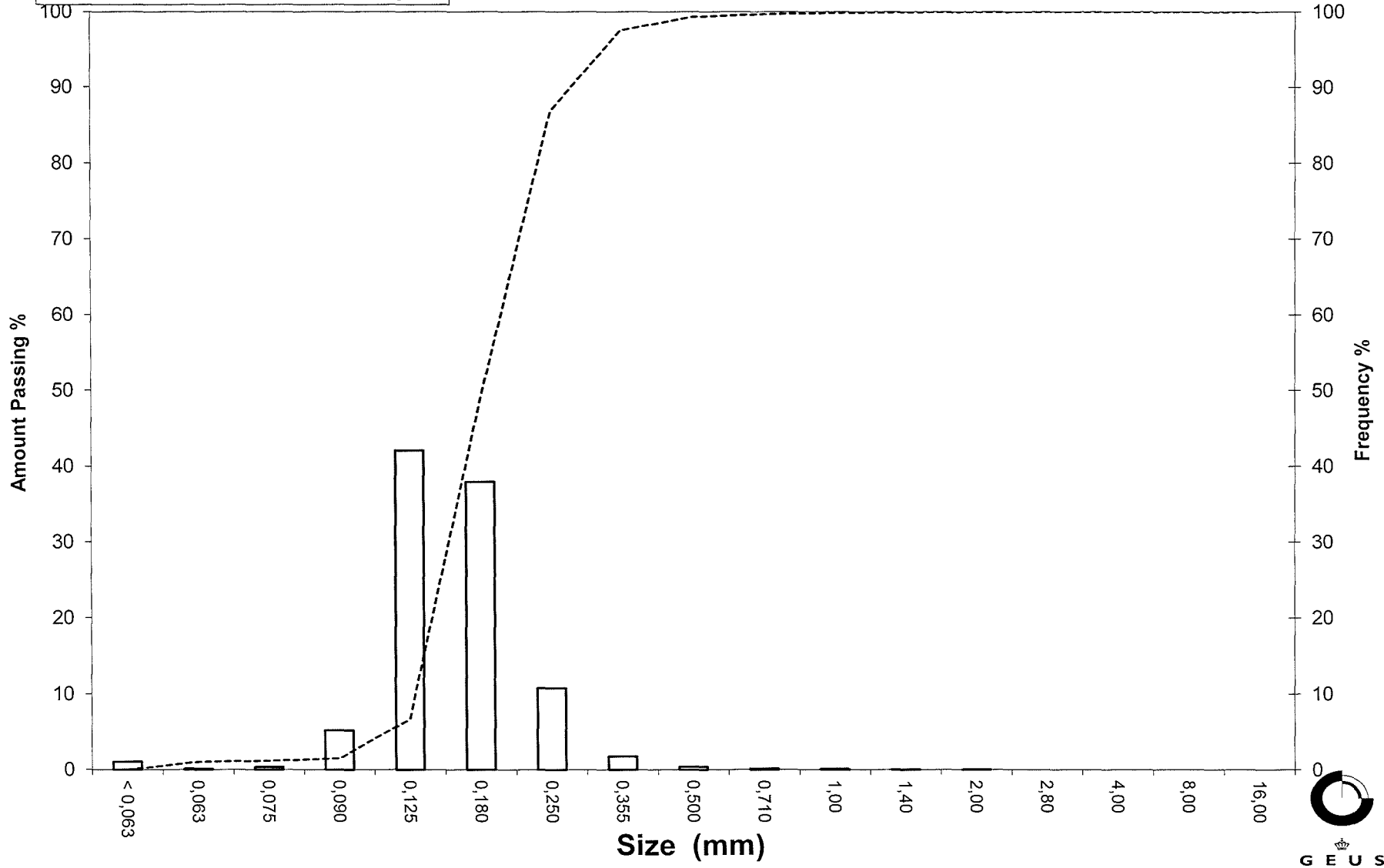
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: FB-15 200-300

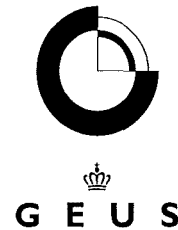
Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: FB-16 0-50
Lab. Id: 150147
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 167,6 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	2,04	1,22	98,78
	4,00	-2,00	5,80	3,46	95,32
	2,80	-1,49	4,67	2,79	92,54
	2,00	-1,00	3,96	2,36	90,17
	1,40	-0,49	4,56	2,72	87,45
	1,00	0,00	4,33	2,58	84,87
	0,710	0,49	4,80	2,86	82,00
	0,500	1,00	9,50	5,67	76,34
	0,355	1,49	17,78	10,61	65,73
Sand	0,250	2,00	37,68	22,48	43,25
	0,180	2,47	37,97	22,66	20,59
	0,125	3,00	28,20	16,83	3,76
	0,090	3,47	4,35	2,60	1,17
	0,075	3,74	0,21	0,13	1,04
	0,063	3,99	0,10	0,06	0,98
	< 0,063	> 3,99	1,65	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):	26,08
Sand, medium (0,2 mm - 0,6 mm):	51,97
Sand, coarse (0,6 mm - 2 mm):	11,14
Gravel (> 2 mm):	9,83
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	3,86	-1,95
16%	84%	0,91	0,13
25%	75%	0,48	1,05
40%	60%	0,33	1,61
Median 50%	50%	0,28	1,83
75%	25%	0,19	2,37
84%	16%	0,16	2,60
90%	10%	0,15	2,78
95%	5%	0,13	2,95

Moments Statistics

Mean	1,52
Sorting	1,36
Skewness	-0,46
Kurtosis	1,53
Uniformity Coefficient	2,26

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

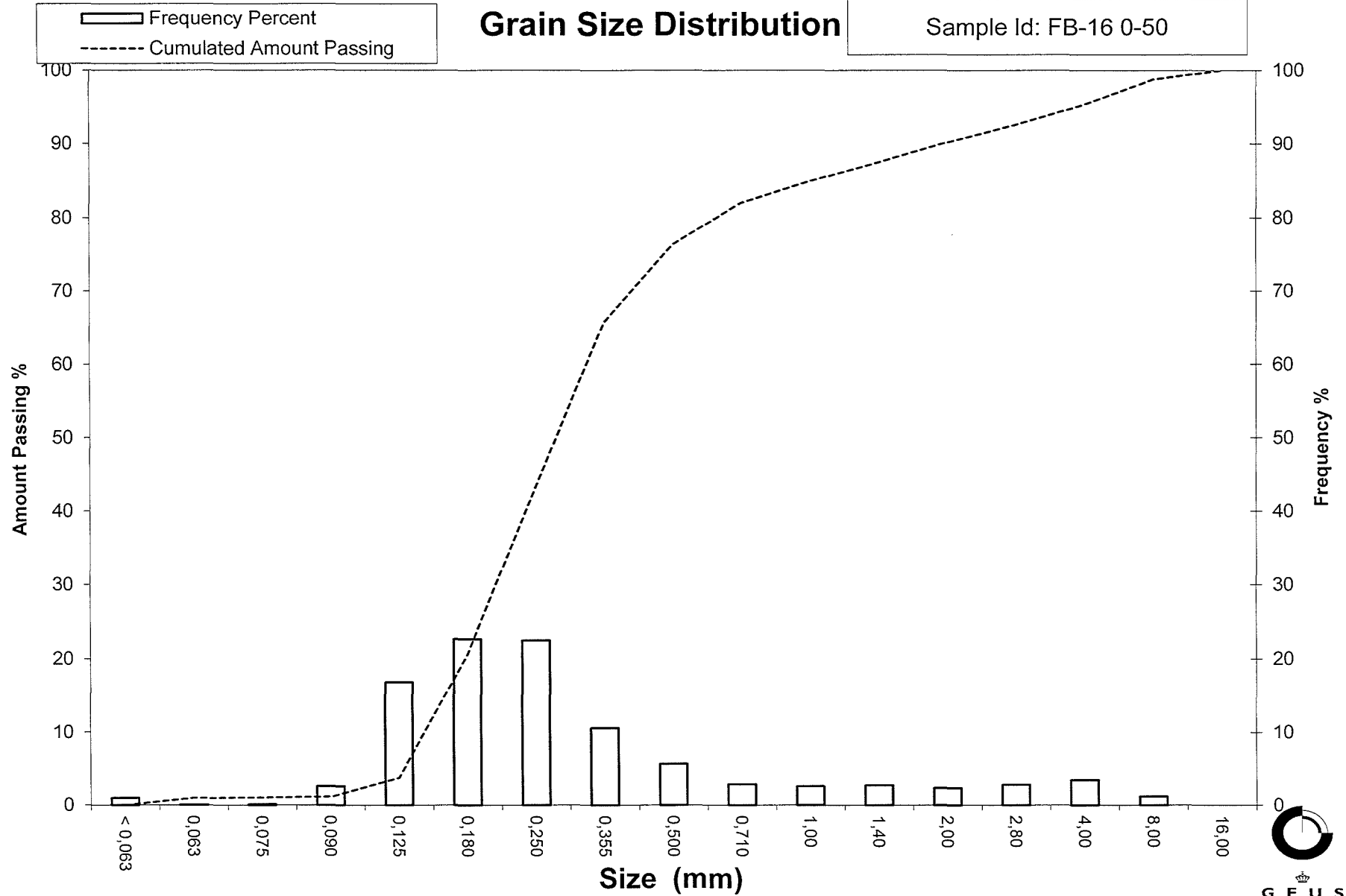
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: FB-16 0-50



Grain Size Distribution

Geotechnical

Sample Id: FB-16 100-300
Lab. Id: 150148
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 161,1 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,19	0,12	99,88
	2,80	-1,49	0,29	0,18	99,70
	2,00	-1,00	0,68	0,42	99,28
	1,40	-0,49	0,85	0,53	98,75
	1,00	0,00	1,97	1,22	97,53
	0,710	0,49	3,09	1,92	95,61
	0,500	1,00	6,82	4,23	91,38
	0,355	1,49	13,93	8,65	82,73
Sand	0,250	2,00	34,98	21,71	61,02
	0,180	2,47	46,82	29,06	31,96
	0,125	3,00	41,37	25,68	6,28
	0,090	3,47	8,25	5,12	1,15
	0,075	3,74	0,10	0,06	1,09
	0,063	3,99	0,03	0,02	1,07
	< 0,063	> 3,99	1,73	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):	39,19
Sand, medium (0,2 mm - 0,6 mm):	53,13
Sand, coarse (0,6 mm - 2 mm):	5,89
Gravel (> 2 mm):	0,72
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,68	0,56
16%	84%	0,38	1,41
25%	75%	0,32	1,65
40%	60%	0,25	2,01
Median 50%	50%	0,22	2,16
75%	25%	0,17	2,60
84%	16%	0,15	2,78
90%	10%	0,13	2,91
95%	5%	0,12	3,10

Moments Statistics

Mean	2,12
Sorting	0,73
Skewness	-0,18
Kurtosis	1,11
Uniformity Coefficient	1,86

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

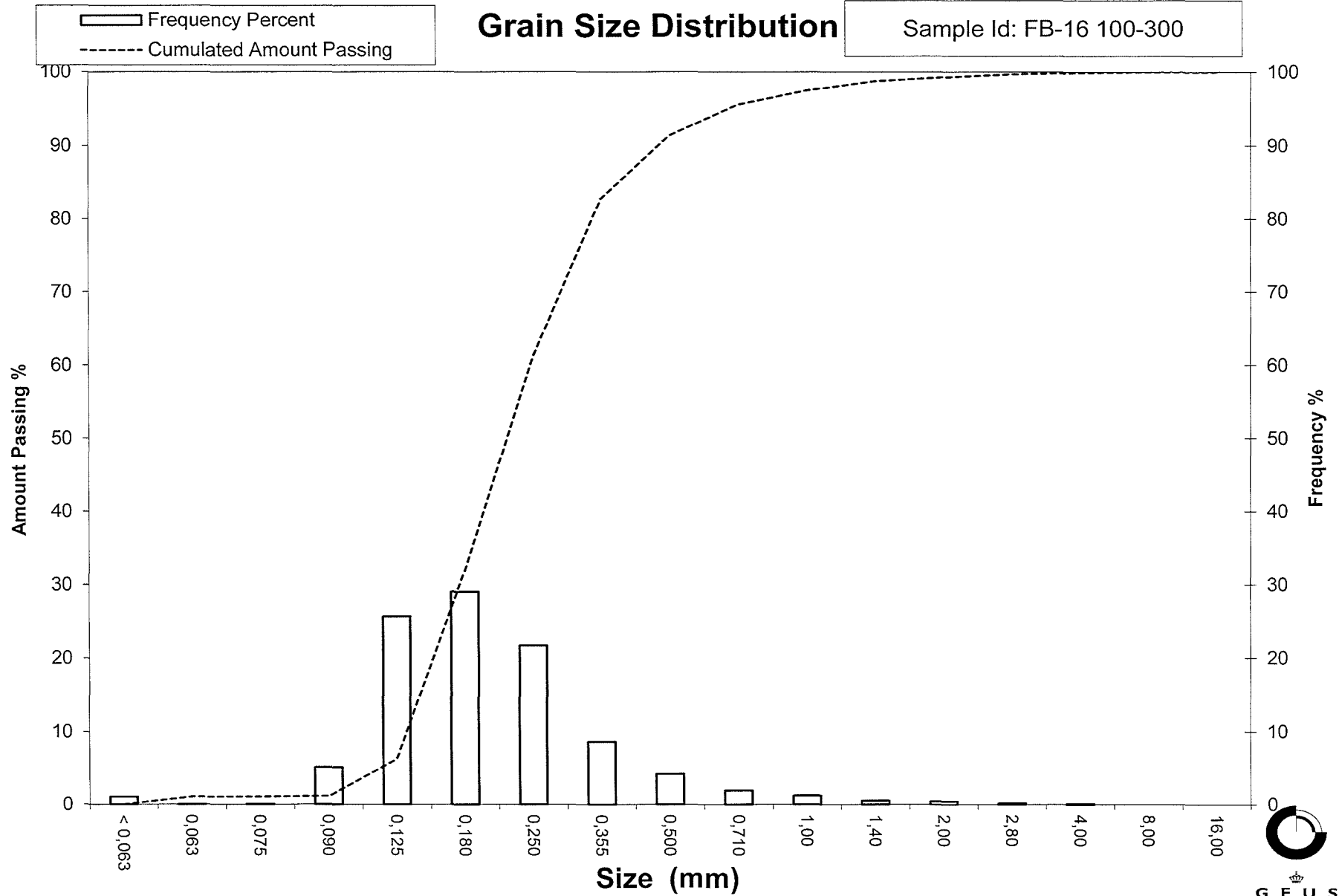
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

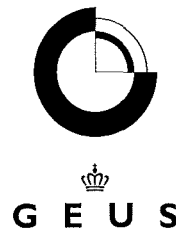
Sample Id: FB-16 100-300



Grain Size Distribution

Geotechnical

Sample Id: FB-17 0-70
Lab. Id: 150149
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 153,37 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,30	0,20	99,80
2,80	-1,49	0,00	0,00	99,80
2,00	-1,00	0,03	0,02	99,78
1,40	-0,49	0,09	0,06	99,73
1,00	0,00	0,16	0,10	99,62
0,710	0,49	0,28	0,18	99,44
0,500	1,00	0,70	0,46	98,98
0,355	1,49	2,27	1,48	97,50
0,250	2,00	9,98	6,51	91,00
0,180	2,47	34,27	22,34	68,65
0,125	3,00	65,29	42,57	26,08
0,090	3,47	27,44	17,89	8,19
0,075	3,74	6,08	3,96	4,23
0,063	3,99	1,95	1,27	2,95
< 0,063	> 3,99	4,53	2,95	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,95
Sand, fine (0,063 mm - 0,200 mm):	72,08
Sand, medium (0,2 mm - 0,6 mm):	24,17
Sand, coarse (0,6 mm - 2 mm):	0,58
Gravel (> 2 mm):	0,22
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,31	1,67
16%	84%	0,23	2,13
25%	75%	0,20	2,32
40%	60%	0,17	2,57
Median 50%	50%	0,16	2,68
75%	25%	0,12	3,02
84%	16%	0,11	3,25
90%	10%	0,09	3,42
95%	5%	0,08	3,68

Moments Statistics

Mean	2,69
Sorting	0,58
Skewness	0,00
Kurtosis	1,18
Uniformity Coefficient	1,80

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

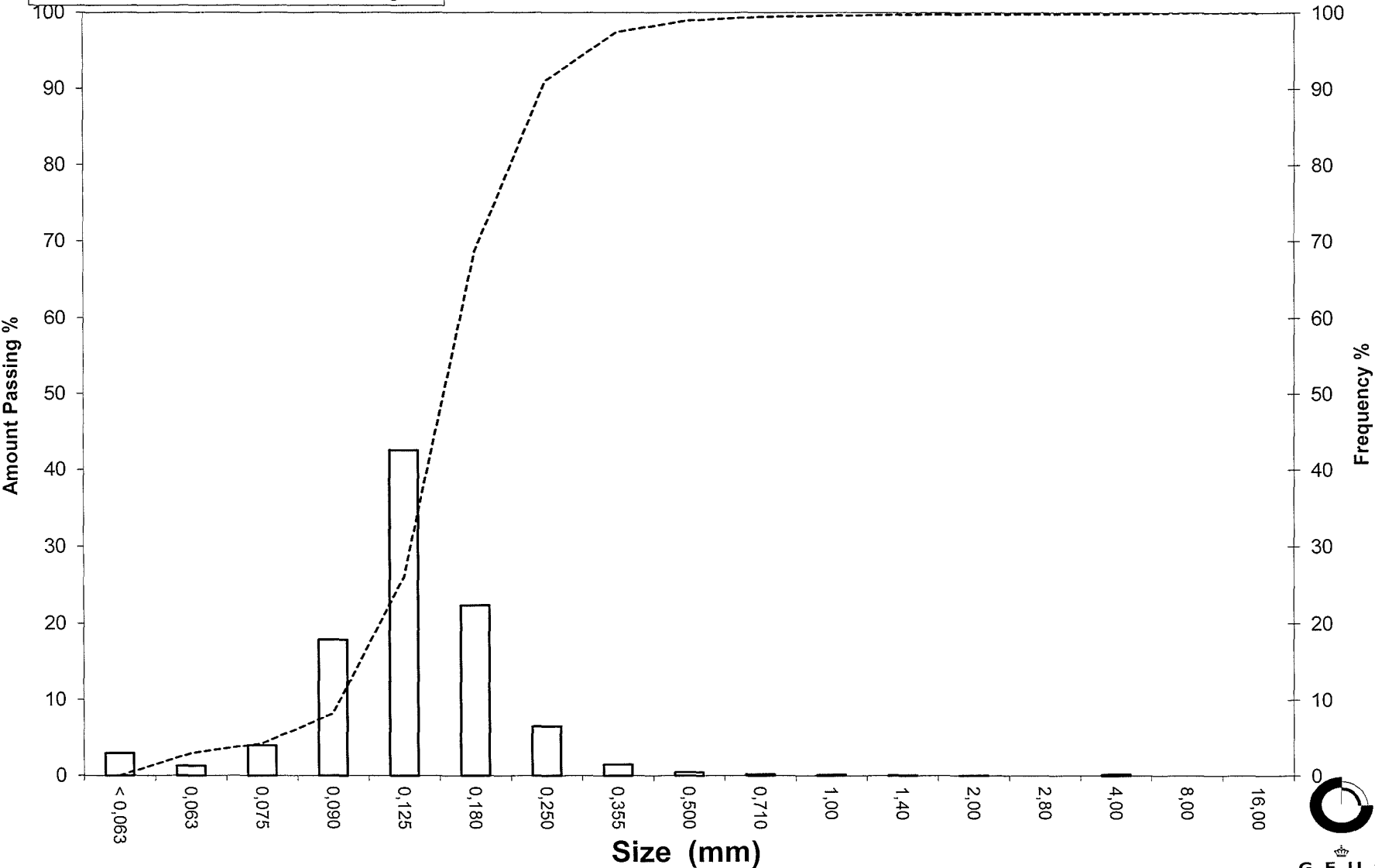
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: FB-17 0-70

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: FB-17A 0-100
Lab. Id: 150150
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 144,45 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,11	0,08	99,92
	1,40	-0,49	0,25	0,17	99,75
	1,00	0,00	0,35	0,24	99,51
	0,710	0,49	0,52	0,36	99,15
	0,500	1,00	1,61	1,11	98,03
	0,355	1,49	4,68	3,24	94,79
Sand	0,250	2,00	16,30	11,28	83,51
	0,180	2,47	40,28	27,89	55,62
	0,125	3,00	52,71	36,49	19,13
	0,090	3,47	17,79	12,32	6,82
	0,075	3,74	5,10	3,53	3,29
	0,063	3,99	1,38	0,96	2,33
	< 0,063	> 3,99	3,37	2,33	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,33
Sand, fine (0,063 mm - 0,200 mm):	61,26
Sand, medium (0,2 mm - 0,6 mm):	34,97
Sand, coarse (0,6 mm - 2 mm):	1,36
Gravel (> 2 mm):	0,08
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,36	1,46
16%	84%	0,25	1,97
25%	75%	0,23	2,13
40%	60%	0,19	2,39
Median 50%	50%	0,17	2,54
75%	25%	0,13	2,90
84%	16%	0,12	3,11
90%	10%	0,10	3,34
95%	5%	0,08	3,60

Moments Statistics

Mean	2,54
Sorting	0,61
Skewness	-0,01
Kurtosis	1,14
Uniformity Coefficient	1,93

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

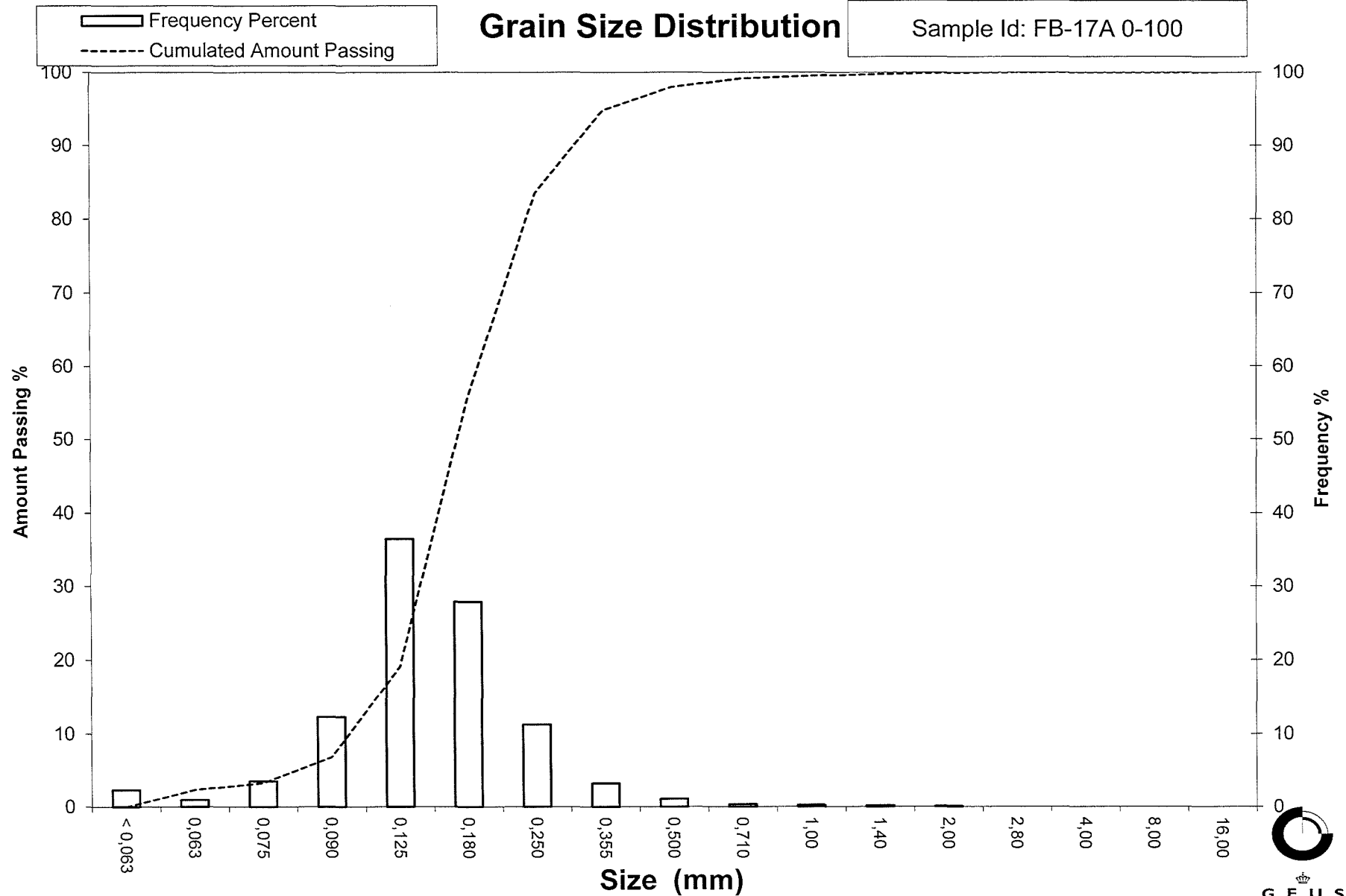
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: FB-17A 0-100



Grain Size Distribution

Geotechnical

Sample Id: FB-18 0-90
Lab. Id: 150151
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 152,38 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,00	0,00	100,00
	1,40	-0,49	0,00	0,00	100,00
	1,00	0,00	0,06	0,04	99,96
	0,710	0,49	0,10	0,07	99,89
	0,500	1,00	0,21	0,14	99,76
	0,355	1,49	0,46	0,30	99,46
	0,250	2,00	3,91	2,57	96,89
	0,180	2,47	16,43	10,78	86,11
	0,125	3,00	39,42	25,87	60,24
	0,090	3,47	65,30	42,85	17,38
	0,075	3,74	12,80	8,40	8,98
	0,063	3,99	4,13	2,71	6,27
	< 0,063	> 3,99	9,56	6,27	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	6,27
Sand, fine (0,063 mm - 0,200 mm):	82,91
Sand, medium (0,2 mm - 0,6 mm):	10,64
Sand, coarse (0,6 mm - 2 mm):	0,18
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,24	2,07
16%	84%	0,18	2,51
25%	75%	0,16	2,68
40%	60%	0,12	3,00
Median 50%	50%	0,12	3,10
75%	25%	0,10	3,38
84%	16%	0,09	3,51
90%	10%	0,08	3,70
95%	5%	-----	-----

Moments Statistics

Mean	3,04
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	1,62

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

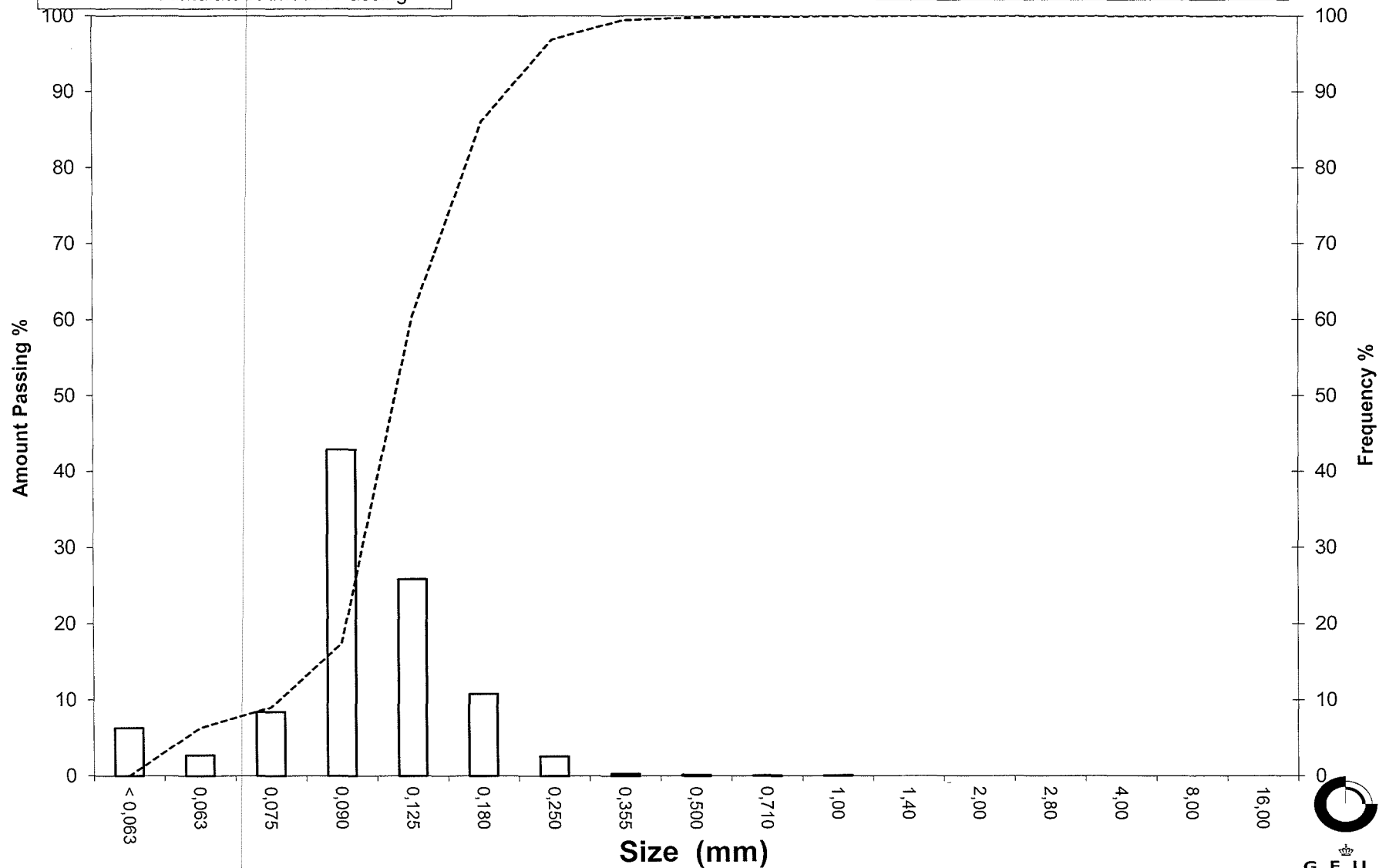
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: FB-18 0-90

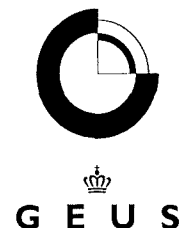
Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: FB-18 100-150
Lab. Id: 150152
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 156,3 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,06	0,04	99,96
1,40	-0,49	0,09	0,06	99,90
1,00	0,00	0,24	0,15	99,75
0,710	0,49	0,24	0,15	99,60
0,500	1,00	0,64	0,41	99,19
0,355	1,49	1,76	1,13	98,06
0,250	2,00	7,49	4,79	93,27
0,180	2,47	22,57	14,44	78,83
0,125	3,00	78,04	49,93	28,90
0,090	3,47	32,59	20,85	8,05
0,075	3,74	5,78	3,70	4,35
0,063	3,99	3,06	1,96	2,39
< 0,063	> 3,99	3,74	2,39	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,39
Sand, fine (0,063 mm - 0,200 mm):	80,56
Sand, medium (0,2 mm - 0,6 mm):	16,43
Sand, coarse (0,6 mm - 2 mm):	0,58
Gravel (> 2 mm):	0,04
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,29	1,80
16%	84%	0,21	2,29
25%	75%	0,18	2,51
40%	60%	0,16	2,65
Median 50%	50%	0,15	2,75
75%	25%	0,12	3,08
84%	16%	0,10	3,27
90%	10%	0,09	3,42
95%	5%	0,08	3,69

Moments Statistics

Mean	2,77
Sorting	0,53
Skewness	0,02
Kurtosis	1,36
Uniformity Coefficient	1,71

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

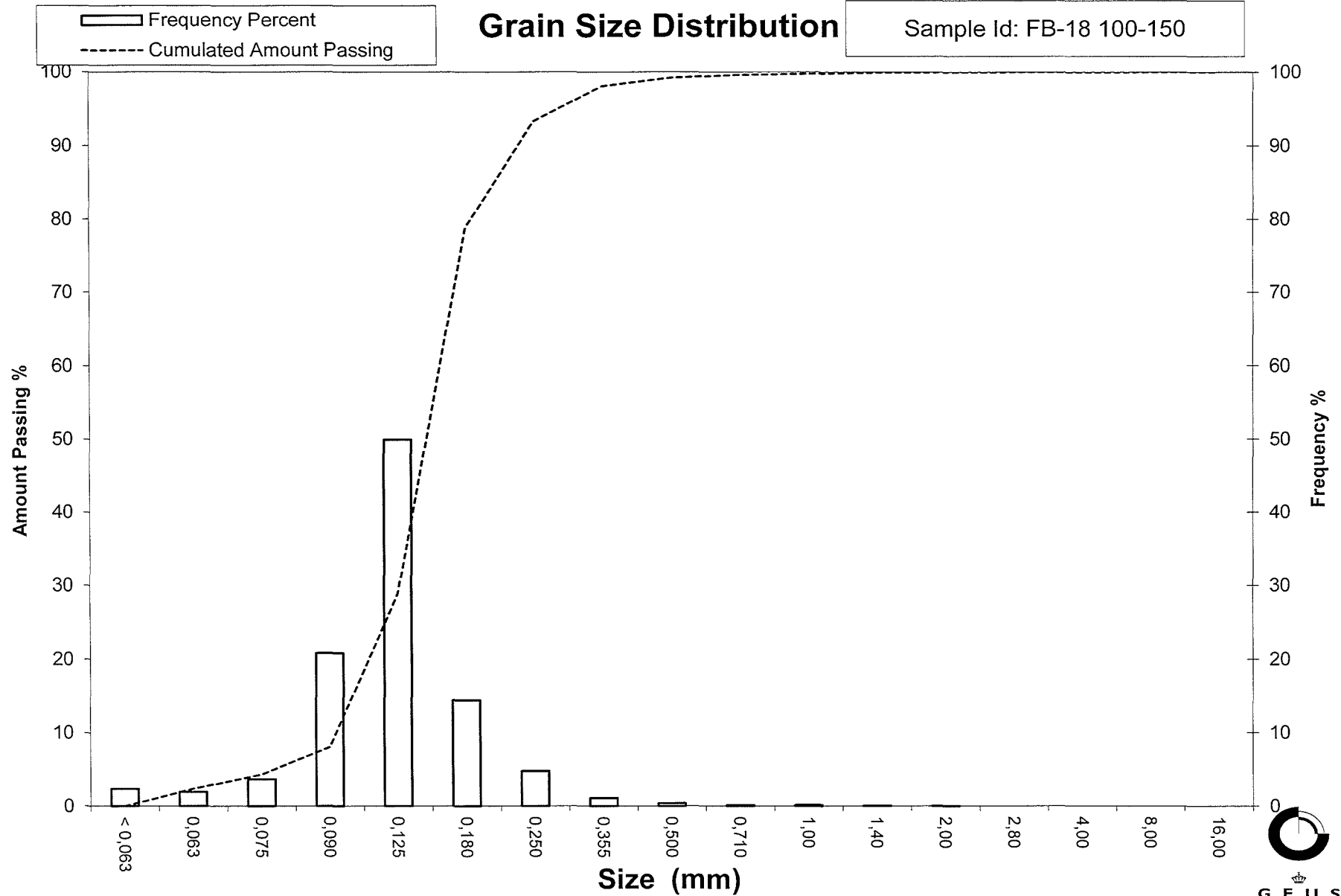
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: FB-18 100-150



Grain Size Distribution

Geotechnical

Sample Id: FB-20 0-80
Lab. Id: 150153
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 153,26 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	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	0,08	0,05	99,93
	1,40	-0,49	0,10	0,07	99,86
	1,00	0,00	0,30	0,20	99,67
	0,710	0,49	0,24	0,16	99,51
	0,500	1,00	0,69	0,45	99,06
	0,355	1,49	2,14	1,40	97,66
	0,250	2,00	12,60	8,22	89,44
	0,180	2,47	40,00	26,10	63,34
	0,125	3,00	67,39	43,97	19,37
	0,090	3,47	23,01	15,01	4,36
	0,075	3,74	2,72	1,77	2,58
Sand	0,063	3,99	1,31	0,85	1,73
	< 0,063	> 3,99	2,65	1,73	0,00
Gravel					

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,73
Sand, fine (0,063 mm - 0,200 mm):	69,07
Sand, medium (0,2 mm - 0,6 mm):	28,47
Sand, coarse (0,6 mm - 2 mm):	0,65
Gravel (> 2 mm):	0,07
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,32	1,64
16%	84%	0,24	2,09
25%	75%	0,21	2,24
40%	60%	0,18	2,51
Median 50%	50%	0,16	2,61
75%	25%	0,13	2,92
84%	16%	0,12	3,09
90%	10%	0,10	3,28
95%	5%	0,09	3,45

Moments Statistics

Mean	2,60
Sorting	0,53
Skewness	-0,06
Kurtosis	1,09
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 $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

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

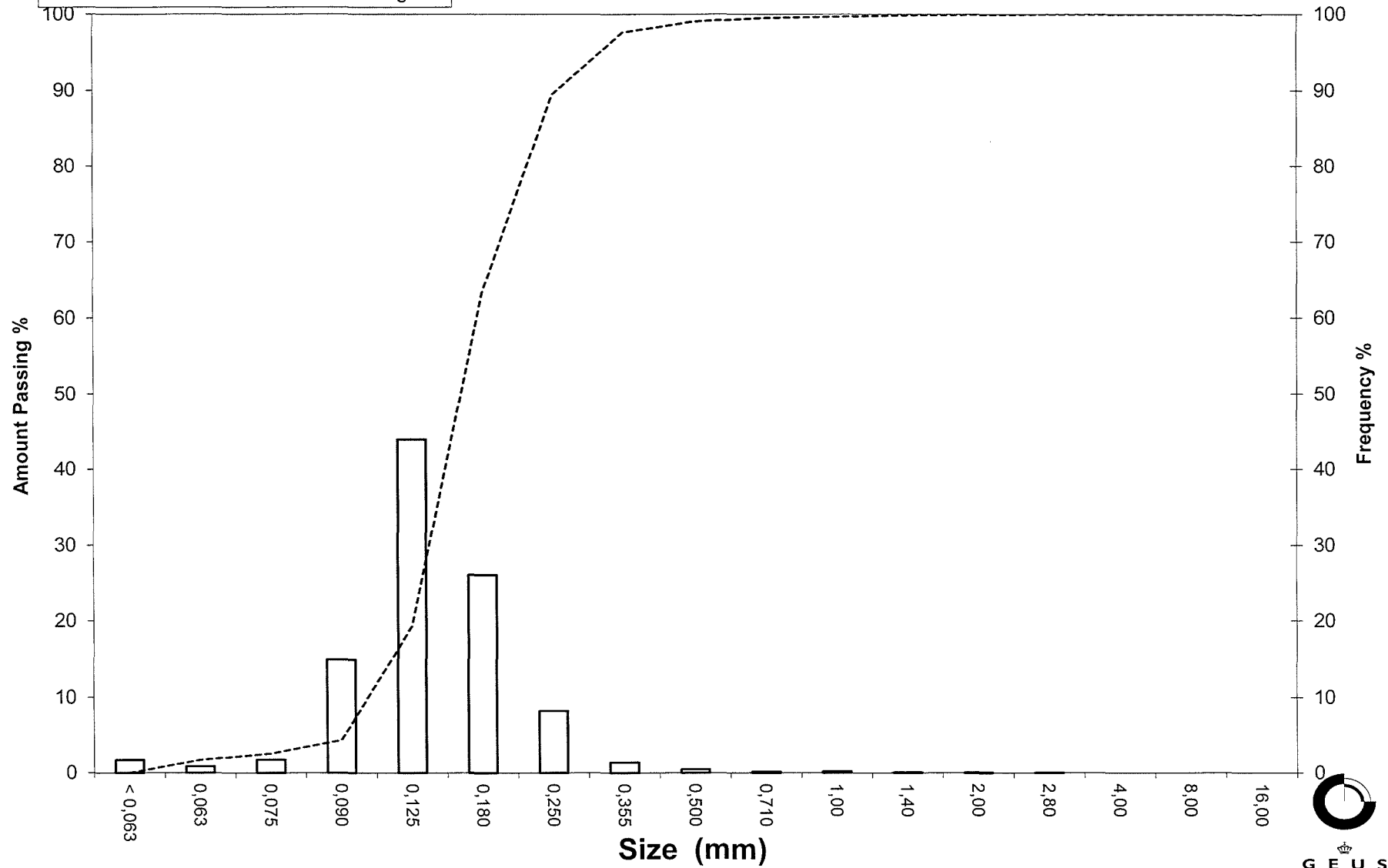
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

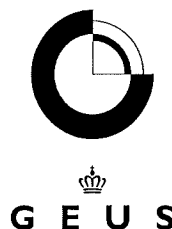
Sample Id: FB-20 0-80



Grain Size Distribution

Geotechnical

Sample Id: FB-20 100-500
Lab. Id: 150154
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 152,2 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,19	0,12	99,88
	2,00	-1,00	0,02	0,01	99,86
	1,40	-0,49	0,17	0,11	99,75
	1,00	0,00	0,22	0,14	99,61
	0,710	0,49	0,23	0,15	99,45
	0,500	1,00	0,57	0,37	99,08
	0,355	1,49	2,01	1,32	97,76
Sand	0,250	2,00	10,90	7,16	90,60
	0,180	2,47	41,14	27,03	63,57
	0,125	3,00	70,90	46,58	16,98
	0,090	3,47	19,23	12,63	4,35
	0,075	3,74	2,48	1,63	2,72
	0,063	3,99	1,14	0,75	1,97
	< 0,063	> 3,99	3,00	1,97	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,97
Sand, fine (0,063 mm - 0,200 mm):	69,32
Sand, medium (0,2 mm - 0,6 mm):	27,97
Sand, coarse (0,6 mm - 2 mm):	0,60
Gravel (> 2 mm):	0,14
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,31	1,67
16%	84%	0,23	2,10
25%	75%	0,21	2,25
40%	60%	0,18	2,51
Median 50%	50%	0,16	2,61
75%	25%	0,13	2,89
84%	16%	0,12	3,03
90%	10%	0,11	3,24
95%	5%	0,09	3,45

Moments Statistics

Mean	2,58
Sorting	0,50
Skewness	-0,07
Kurtosis	1,14
Uniformity Coefficient	1,66

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

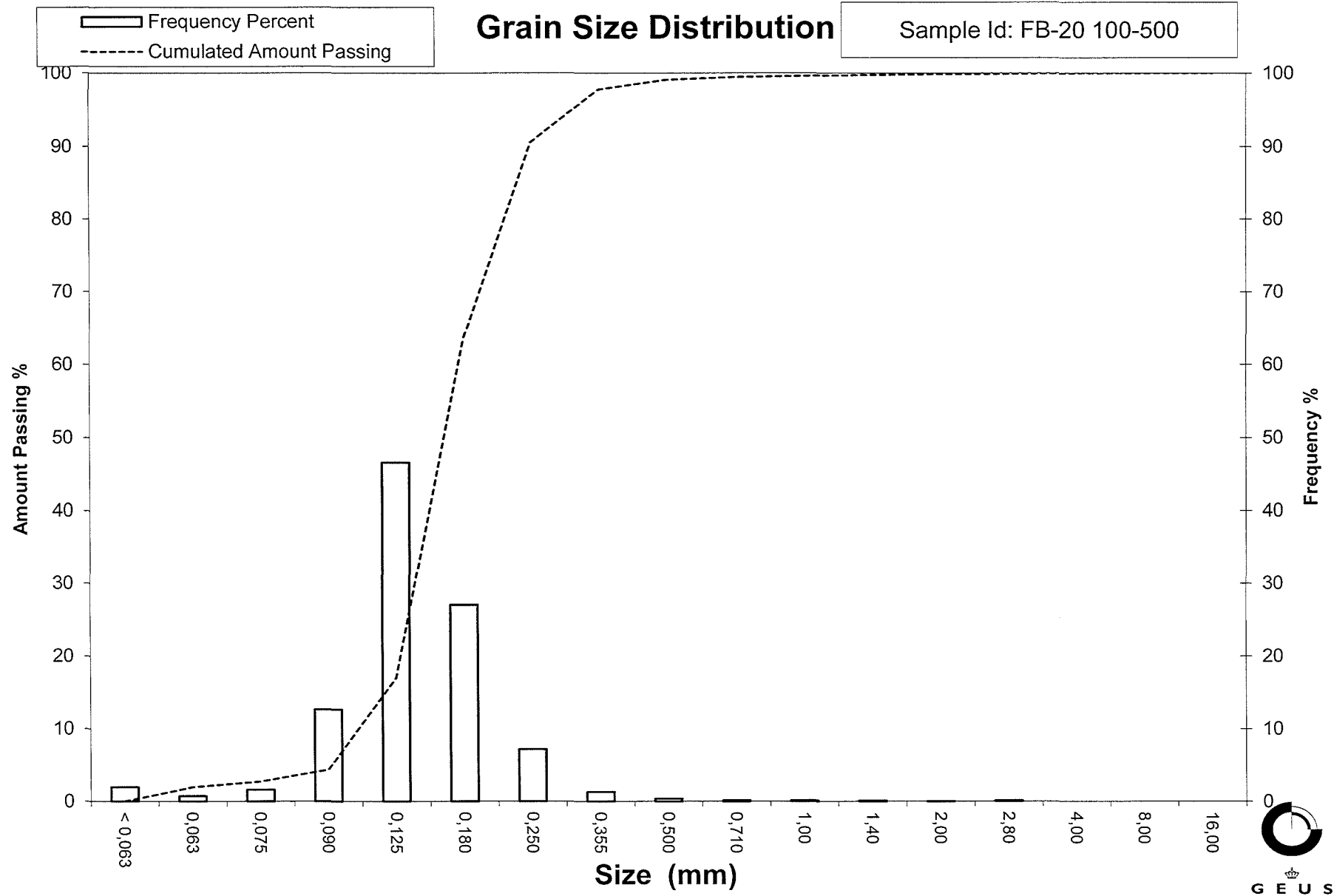
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: FB-20 100-500



Grain Size Distribution

Geotechnical

Sample Id: FB-21 40-110
Lab. Id: 150155
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks: >32mm (2561 g) indgår i >16mm



Total Weight 5347,06 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	3090,38	57,80	42,20
	8,00	-3,00	195,01	3,65	38,56
	4,00	-2,00	100,74	1,88	36,67
	2,80	-1,49	44,72	0,84	35,84
	2,00	-1,00	39,79	0,74	35,09
	1,40	-0,49	41,76	0,78	34,31
	1,00	0,00	51,24	0,96	33,35
	0,710	0,49	54,93	1,03	32,33
	0,500	1,00	107,23	2,01	30,32
	0,355	1,49	237,37	4,44	25,88
Sand	0,250	2,00	521,50	9,75	16,13
	0,180	2,47	290,46	5,43	10,70
	0,125	3,00	263,85	4,93	5,76
	0,090	3,47	224,07	4,19	1,57
	0,075	3,74	21,34	0,40	1,17
	0,063	3,99	5,66	0,11	1,07
	< 0,063	> 3,99	57,01	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):	11,18
Sand, medium (0,2 mm - 0,6 mm):	19,03
Sand, coarse (0,6 mm - 2 mm):	3,82
Gravel (> 2 mm):	64,91
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	-----	-----
16%	84%	-----	-----
25%	75%	-----	-----
40%	60%	-----	-----
Median 50%	50%	-----	-----
75%	25%	0,35	1,53
84%	16%	0,25	2,01
90%	10%	0,17	2,54
95%	5%	0,12	3,08

Moments Statistics

Mean	2,01
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

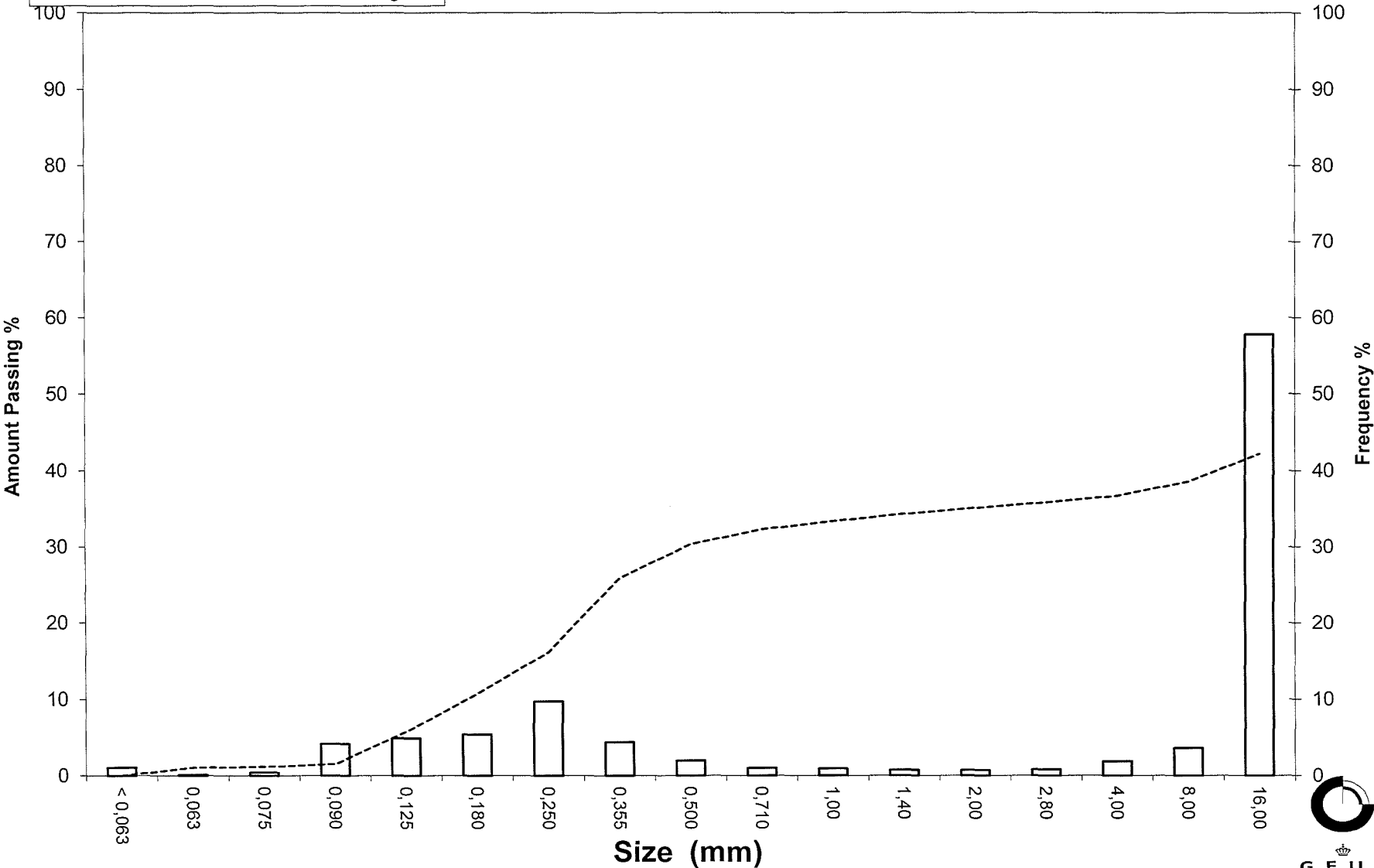
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: FB-21 40-110

Frequency Percent
Cumulated Amount Passing

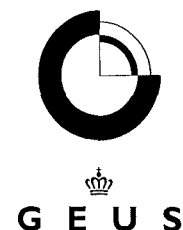


GEUS

Grain Size Distribution

Geotechnical

Sample Id: FB-21 120-220
Lab. Id: 150156
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 160,53 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,01	0,01	99,99
	1,40	-0,49	0,00	0,00	99,99
	1,00	0,00	0,00	0,00	99,99
	0,710	0,49	0,02	0,01	99,98
	0,500	1,00	0,12	0,07	99,91
	0,355	1,49	0,89	0,55	99,35
Sand	0,250	2,00	16,37	10,20	89,15
	0,180	2,47	34,44	21,45	67,70
	0,125	3,00	77,61	48,35	19,35
	0,090	3,47	27,48	17,12	2,24
	0,075	3,74	1,33	0,83	1,41
	0,063	3,99	0,62	0,39	1,02
	< 0,063	> 3,99	1,64	1,02	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,02
Sand, fine (0,063 mm - 0,200 mm):	72,81
Sand, medium (0,2 mm - 0,6 mm):	26,11
Sand, coarse (0,6 mm - 2 mm):	0,05
Gravel (> 2 mm):	0,01
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,31	1,69
16%	84%	0,23	2,10
25%	75%	0,20	2,29
40%	60%	0,17	2,55
Median 50%	50%	0,16	2,65
75%	25%	0,13	2,93
84%	16%	0,12	3,08
90%	10%	0,11	3,24
95%	5%	0,10	3,39

Moments Statistics

Mean	2,61
Sorting	0,50
Skewness	-0,12
Kurtosis	1,10
Uniformity Coefficient	1,62

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

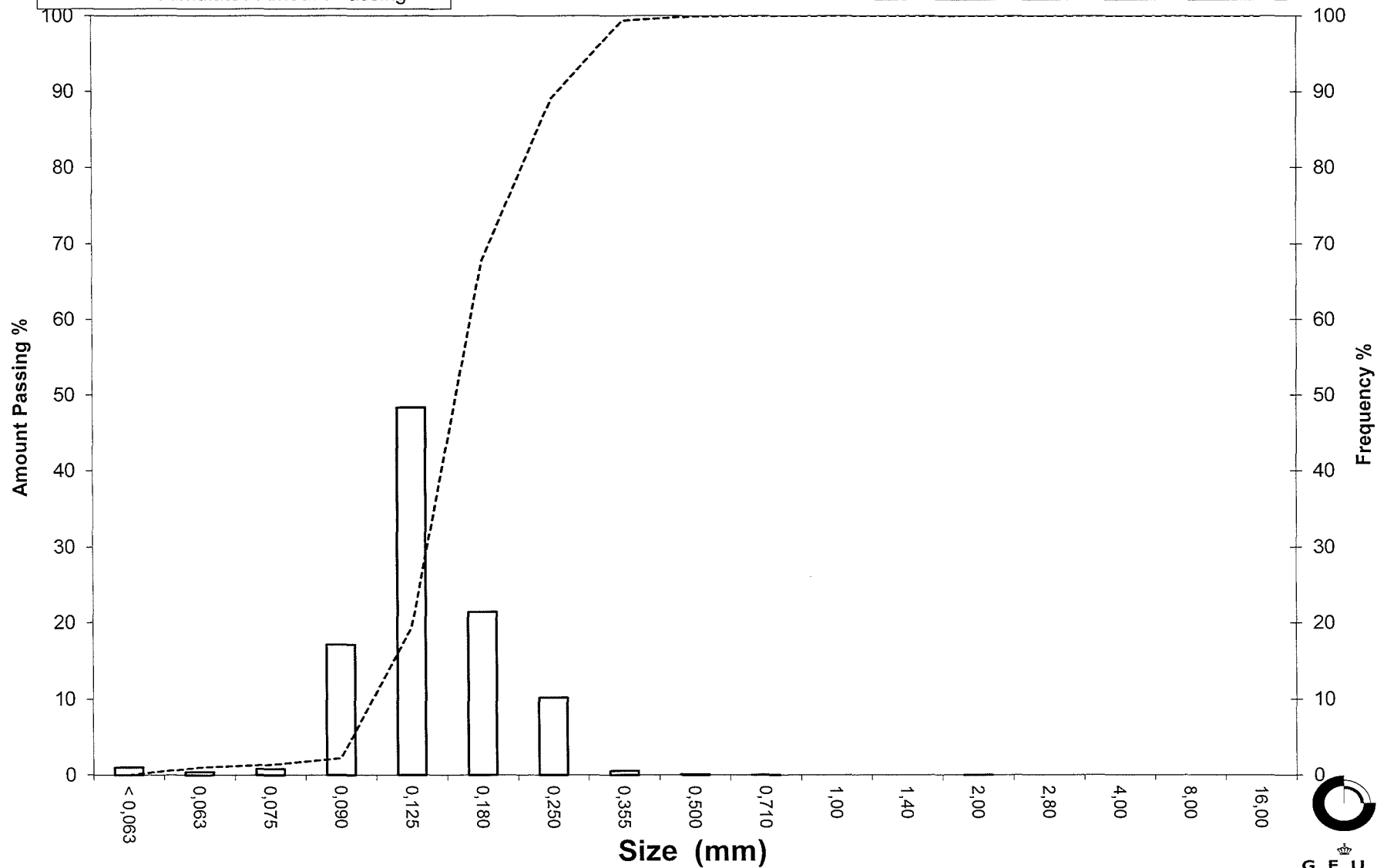
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: FB-21 120-220

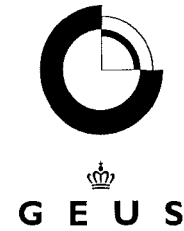
Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: FI-3 0-100
Lab. Id: 150157
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 159,31 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	8,29	5,20	94,80
	4,00	-2,00	7,80	4,90	89,90
	2,80	-1,49	4,02	2,52	87,38
	2,00	-1,00	4,49	2,82	84,56
	1,40	-0,49	5,29	3,32	81,24
	1,00	0,00	5,98	3,75	77,48
	0,710	0,49	6,03	3,79	73,70
	0,500	1,00	7,64	4,80	68,90
	0,355	1,49	8,77	5,50	63,40
	0,250	2,00	18,45	11,58	51,82
	0,180	2,47	23,34	14,65	37,17
	0,125	3,00	26,34	16,53	20,63
	0,090	3,47	12,09	7,59	13,04
	0,075	3,74	3,30	2,07	10,97
	0,063	3,99	2,29	1,44	9,53
	< 0,063	> 3,99	15,19	9,53	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	9,53
Sand, fine (0,063 mm - 0,200 mm):	31,82
Sand, medium (0,2 mm - 0,6 mm):	29,83
Sand, coarse (0,6 mm - 2 mm):	13,37
Gravel (> 2 mm):	15,44
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	8,31	-3,06
16%	84%	1,90	-0,93
25%	75%	0,81	0,30
40%	60%	0,32	1,63
Median 50%	50%	0,24	2,05
75%	25%	0,14	2,84
84%	16%	0,10	3,27
90%	10%	0,07	3,90
95%	5%	-----	-----

Moments Statistics

Mean	1,47
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	4,85

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

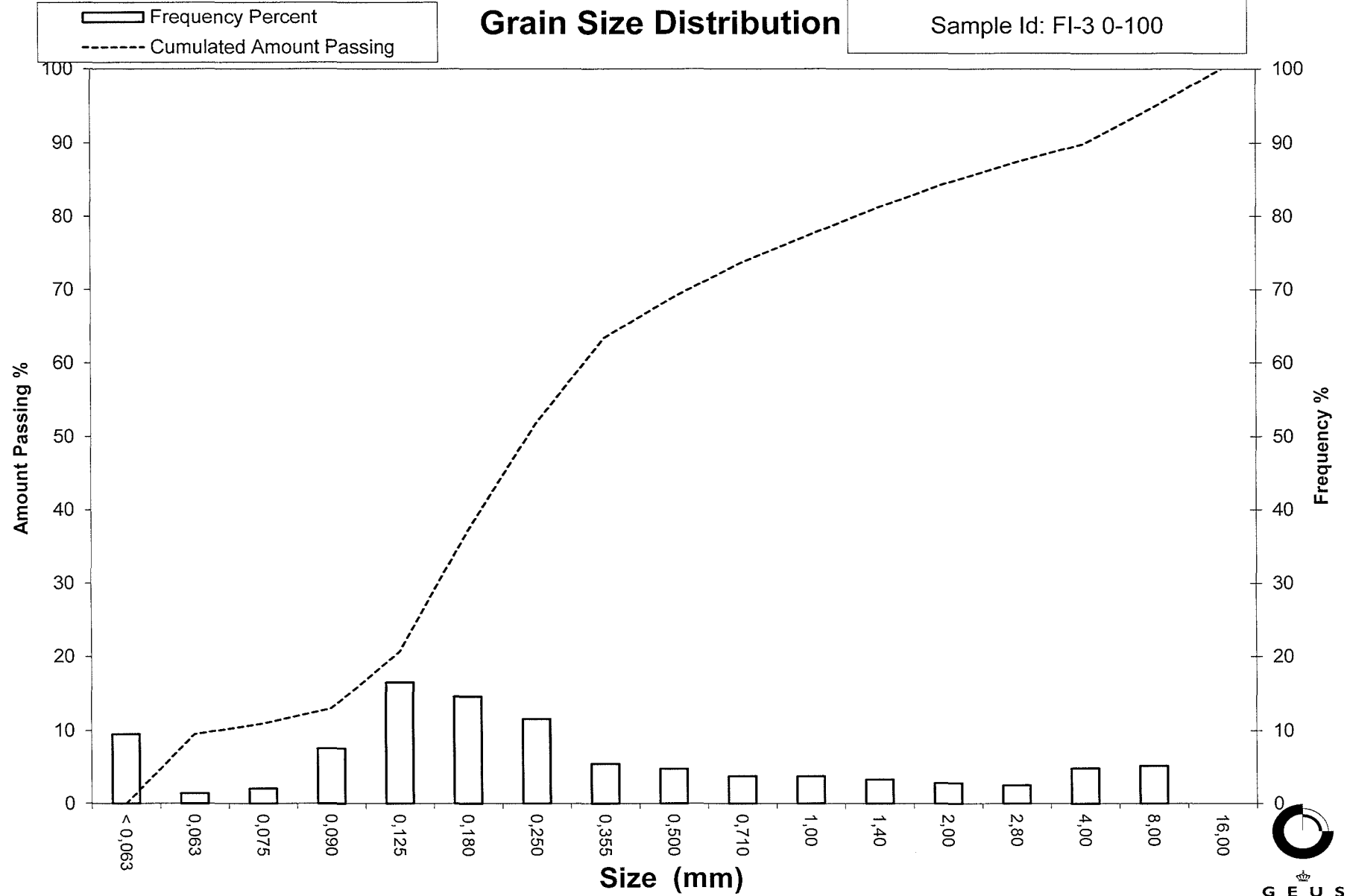
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

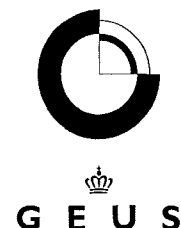
Sample Id: FI-3 0-100



Grain Size Distribution

Geotechnical

Sample Id: HEL-1 0-100
Lab. Id: 150158
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 161,99 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,91	0,56	99,44
4,00	-2,00	2,34	1,44	97,99
2,80	-1,49	2,51	1,55	96,44
2,00	-1,00	2,16	1,33	95,11
1,40	-0,49	2,94	1,81	93,30
1,00	0,00	5,35	3,30	89,99
0,710	0,49	5,30	3,27	86,72
0,500	1,00	11,68	7,21	79,51
0,355	1,49	23,58	14,56	64,95
0,250	2,00	41,39	25,55	39,40
0,180	2,47	34,02	21,00	18,40
0,125	3,00	12,79	7,90	10,51
0,090	3,47	2,81	1,73	8,77
0,075	3,74	0,73	0,45	8,32
0,063	3,99	0,57	0,35	7,97
< 0,063	> 3,99	12,91	7,97	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	7,97
Sand, fine (0,063 mm - 0,200 mm):	16,43
Sand, medium (0,2 mm - 0,6 mm):	58,54
Sand, coarse (0,6 mm - 2 mm):	12,17
Gravel (> 2 mm):	4,89
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,96	-0,97
16%	84%	0,63	0,66
25%	75%	0,46	1,14
40%	60%	0,33	1,58
Median 50%	50%	0,29	1,77
75%	25%	0,20	2,31
84%	16%	0,16	2,61
90%	10%	0,11	3,12
95%	5%	-----	-----

Moments Statistics

Mean	1,68
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	2,92

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

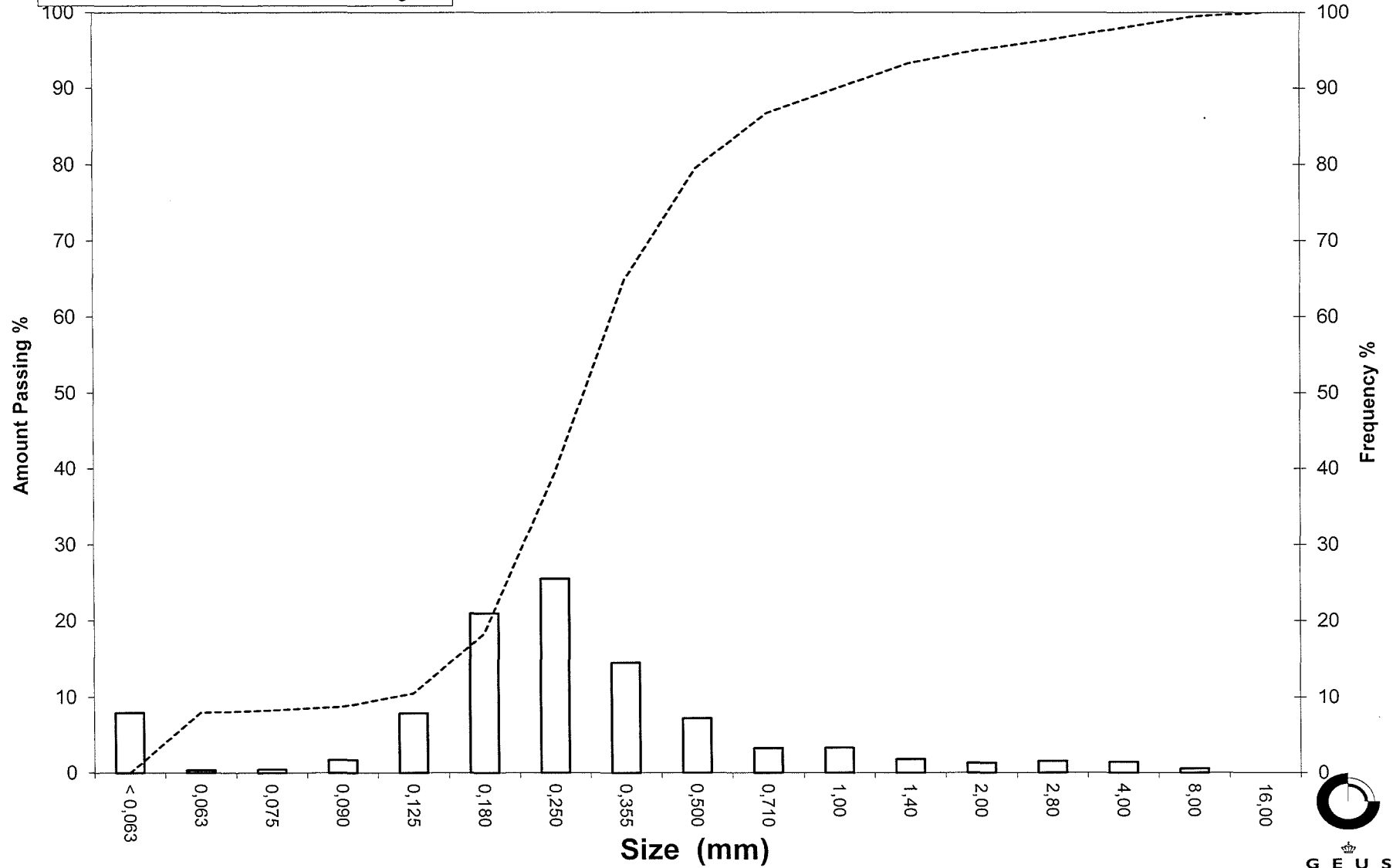
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

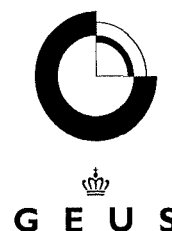
Sample Id: HEL-1 0-100



Grain Size Distribution

Geotechnical

Sample Id: HEL-2 80-150
Lab. Id: 150159
Submitter: Sten Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 153,53 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	1,17	0,76	99,24
	4,00	-2,00	6,33	4,12	95,11
	2,80	-1,49	4,73	3,08	92,03
	2,00	-1,00	5,71	3,72	88,31
	1,40	-0,49	8,15	5,31	83,01
	1,00	0,00	12,35	8,04	74,96
	0,710	0,49	15,61	10,17	64,80
	0,500	1,00	27,26	17,76	47,04
	0,355	1,49	24,75	16,12	30,92
Sand	0,250	2,00	11,04	7,19	23,73
	0,180	2,47	2,79	1,82	21,91
	0,125	3,00	2,84	1,85	20,06
	0,090	3,47	2,29	1,49	18,57
	0,075	3,74	1,05	0,68	17,89
	0,063	3,99	1,01	0,66	17,23
	< 0,063	> 3,99	26,45	17,23	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	17,23
Sand, fine (0,063 mm - 0,200 mm):	5,20
Sand, medium (0,2 mm - 0,6 mm):	33,06
Sand, coarse (0,6 mm - 2 mm):	32,82
Gravel (> 2 mm):	11,69
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	3,96	-1,98
16%	84%	1,51	-0,60
25%	75%	1,00	0,00
40%	60%	0,65	0,61
Median 50%	50%	0,54	0,90
75%	25%	0,27	1,90
84%	16%	-----	-----
90%	10%	-----	-----
95%	5%	-----	-----

Moments Statistics

Mean	0,15
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

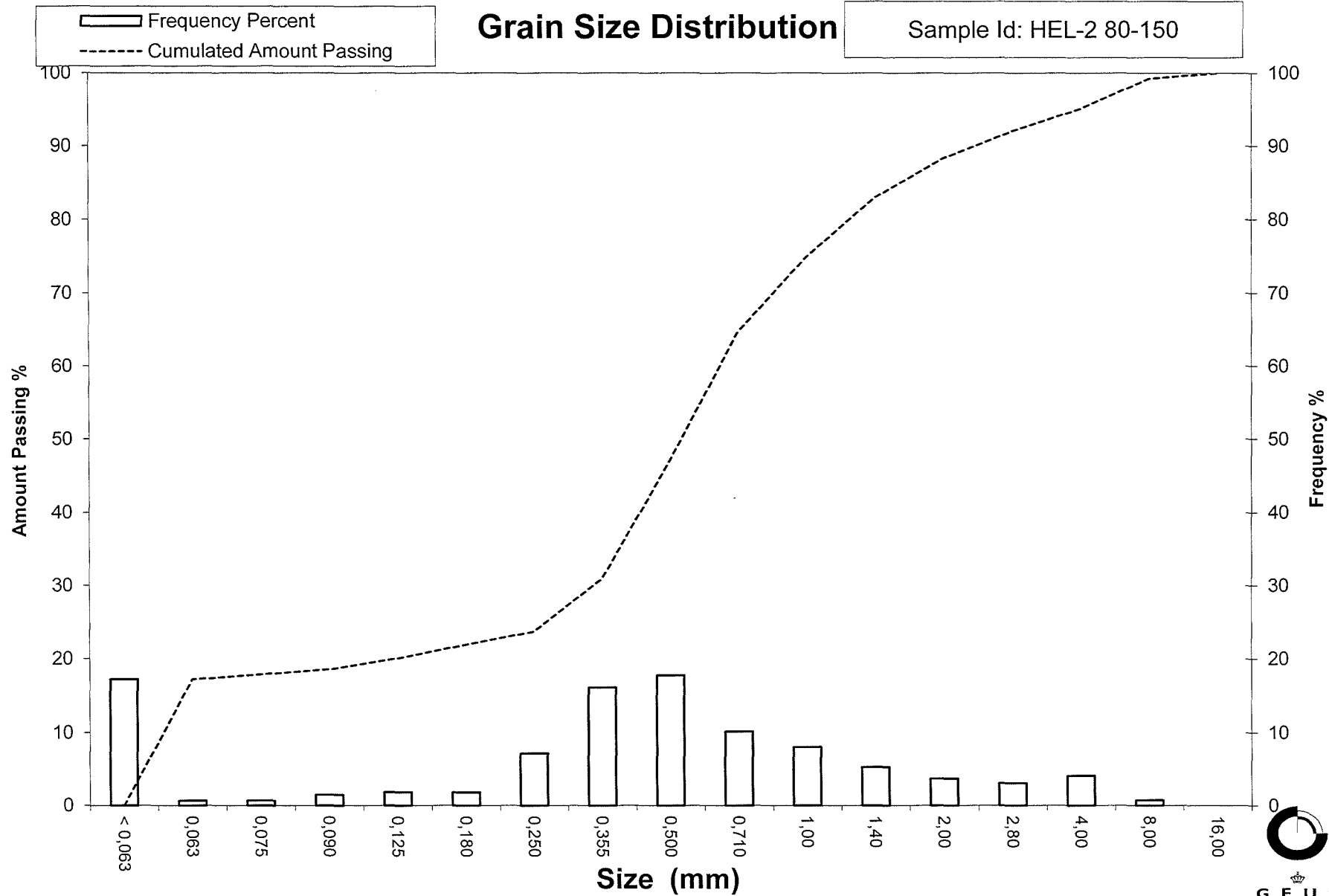
Kurtosis ($(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$) (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: HEL-2 80-150



Grain Size Distribution

Geotechnical

Sample Id: HEL-2 220-300
Lab. Id: 150160
Submitter: Sten Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 161,64 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	4,76	2,94	97,06
2,80	-1,49	3,30	2,04	95,01
2,00	-1,00	4,48	2,77	92,24
1,40	-0,49	5,10	3,16	89,09
1,00	0,00	11,76	7,28	81,81
0,710	0,49	21,32	13,19	68,62
0,500	1,00	45,98	28,45	40,18
0,355	1,49	41,09	25,42	14,76
0,250	2,00	12,53	7,75	7,00
0,180	2,47	2,06	1,27	5,73
0,125	3,00	0,80	0,49	5,23
0,090	3,47	0,37	0,23	5,00
0,075	3,74	0,15	0,09	4,91
0,063	3,99	0,12	0,07	4,84
< 0,063	> 3,99	7,82	4,84	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	4,84
Sand, fine (0,063 mm - 0,200 mm):	1,25
Sand, medium (0,2 mm - 0,6 mm):	47,63
Sand, coarse (0,6 mm - 2 mm):	38,52
Gravel (> 2 mm):	7,76
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	2,80	-1,48
16%	84%	1,12	-0,16
25%	75%	0,85	0,23
40%	60%	0,65	0,63
Median 50%	50%	0,57	0,80
75%	25%	0,41	1,27
84%	16%	0,36	1,47
90%	10%	0,29	1,78
95%	5%	0,09	3,49

Moments Statistics

Mean	0,70
Sorting	1,16
Skewness	-0,05
Kurtosis	1,96
Uniformity Coefficient	2,22

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

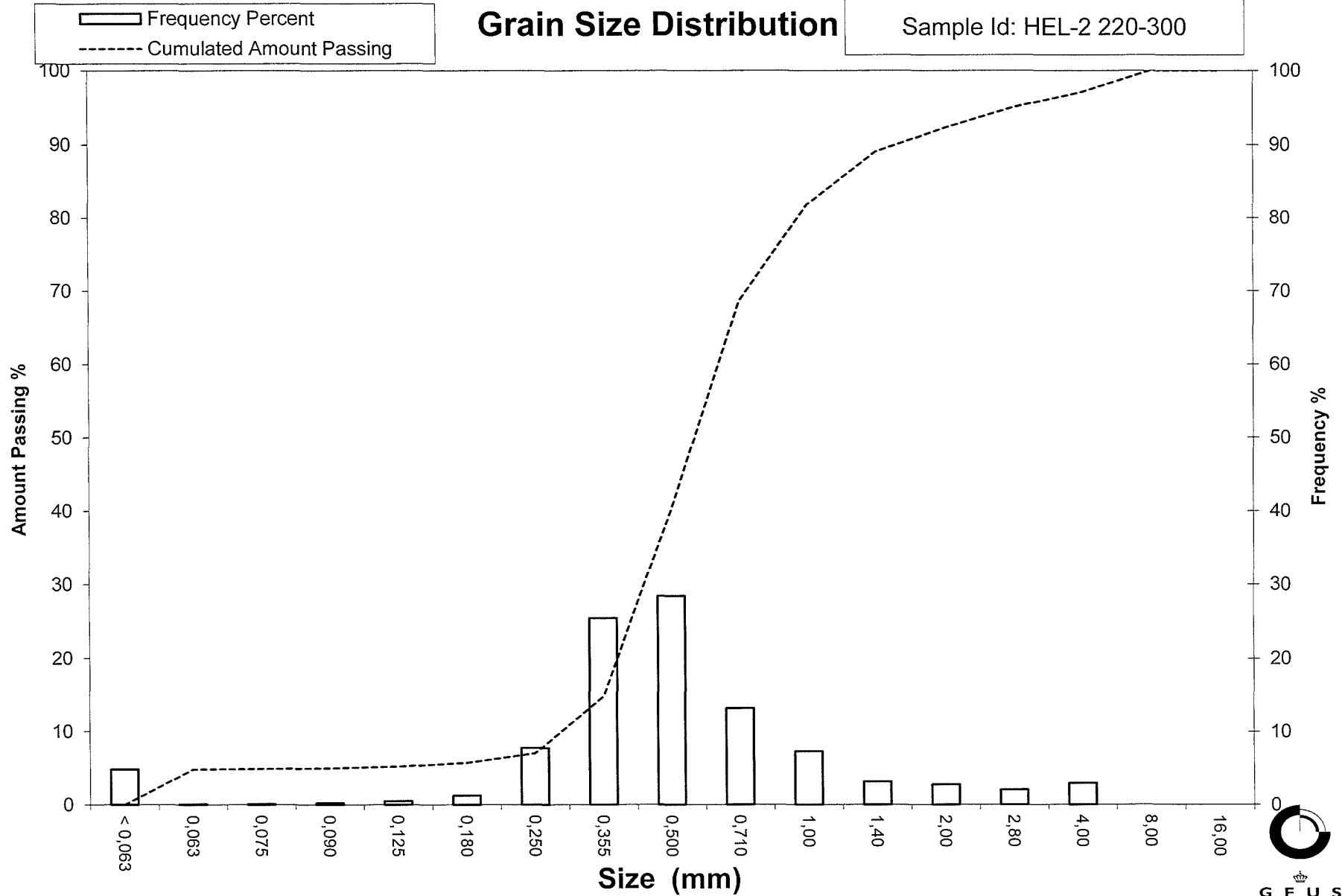
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

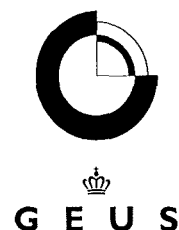
Sample Id: HEL-2 220-300



Grain Size Distribution

Geotechnical

Sample Id: HEL-3 1-100
Lab. Id: 150161
Submitter: Sten Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 152,11 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	3,29	2,16	97,84
	2,80	-1,49	1,19	0,78	97,05
	2,00	-1,00	2,23	1,47	95,59
	1,40	-0,49	2,77	1,82	93,77
	1,00	0,00	4,39	2,89	90,88
	0,710	0,49	8,86	5,82	85,06
	0,500	1,00	25,25	16,60	68,46
	0,355	1,49	31,24	20,54	47,92
	0,250	2,00	24,97	16,42	31,50
	0,180	2,47	12,90	8,48	23,02
	0,125	3,00	9,24	6,07	16,95
	0,090	3,47	2,88	1,89	15,05
	0,075	3,74	0,86	0,57	14,49
	0,063	3,99	0,78	0,51	13,98
	< 0,063	> 3,99	21,26	13,98	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	13,98
Sand, fine (0,063 mm - 0,200 mm):	11,47
Sand, medium (0,2 mm - 0,6 mm):	50,92
Sand, coarse (0,6 mm - 2 mm):	19,23
Gravel (> 2 mm):	4,41
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,81	-0,85
16%	84%	0,70	0,52
25%	75%	0,58	0,78
40%	60%	0,44	1,18
Median 50%	50%	0,37	1,44
75%	25%	0,20	2,35
84%	16%	0,11	3,22
90%	10%	-----	-----
95%	5%	-----	-----

Moments Statistics

Mean	1,73
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

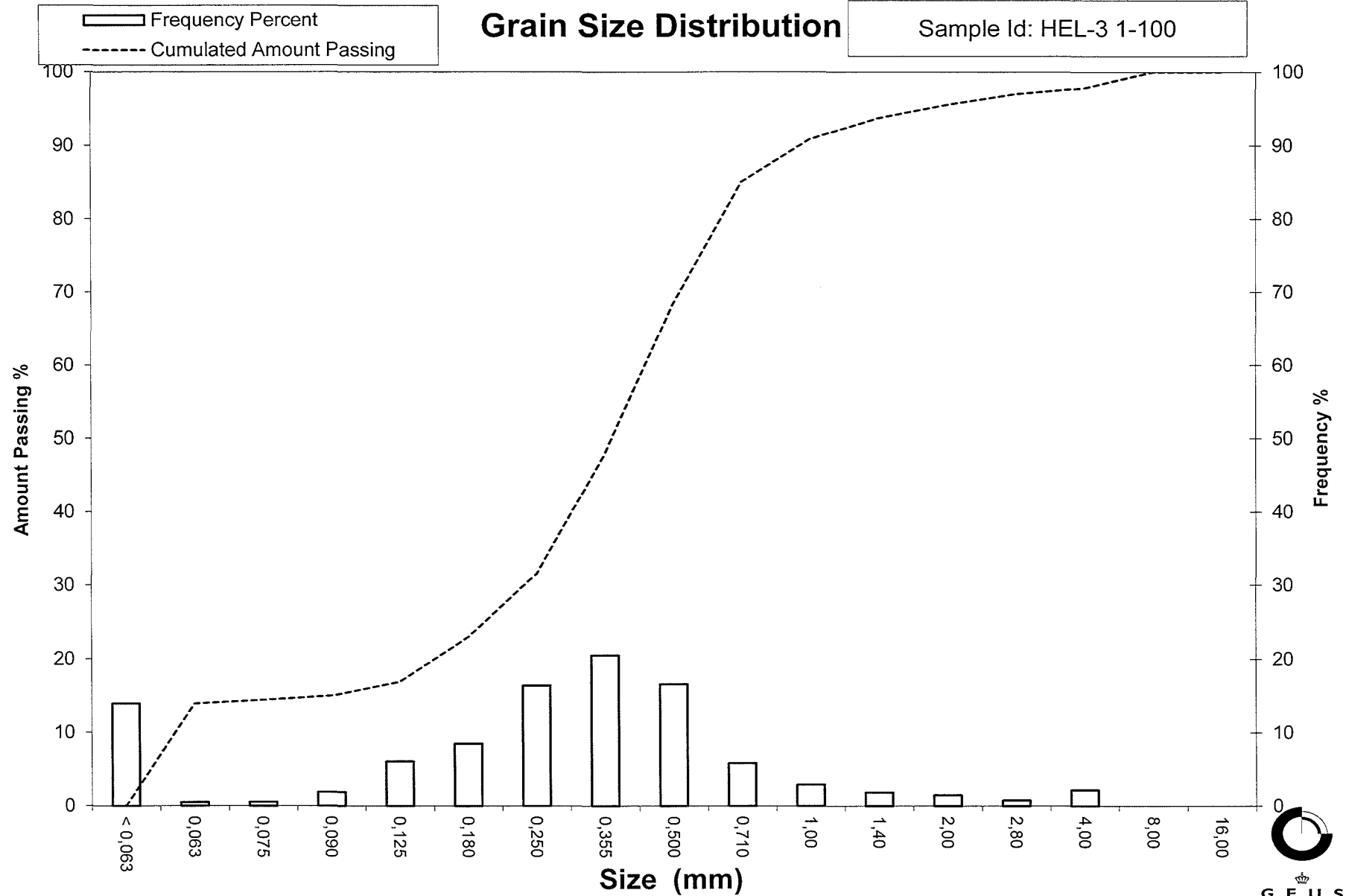
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

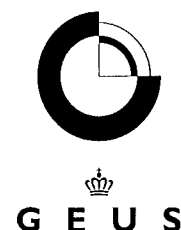
Sample Id: HEL-3 1-100



Grain Size Distribution

Geotechnical

Sample Id: HEL-3 150-200
Lab. Id: 150162
Submitter: Sten Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 168,02 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,83	0,49	99,51
	2,80	-1,49	0,66	0,39	99,11
	2,00	-1,00	0,34	0,20	98,91
	1,40	-0,49	0,15	0,09	98,82
	1,00	0,00	0,28	0,17	98,65
	0,710	0,49	0,84	0,50	98,15
	0,500	1,00	12,43	7,40	90,76
	0,355	1,49	52,01	30,95	59,80
	0,250	2,00	67,28	40,04	19,76
	0,180	2,47	17,68	10,52	9,24
	0,125	3,00	6,18	3,68	5,56
	0,090	3,47	4,66	2,77	2,79
	0,075	3,74	0,63	0,37	2,41
	0,063	3,99	0,27	0,16	2,25
	< 0,063	> 3,99	3,78	2,25	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,25
Sand, fine (0,063 mm - 0,200 mm):	9,99
Sand, medium (0,2 mm - 0,6 mm):	82,04
Sand, coarse (0,6 mm - 2 mm):	4,63
Gravel (> 2 mm):	1,09
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,62	0,69
16%	84%	0,47	1,09
25%	75%	0,43	1,23
40%	60%	0,36	1,49
Median 50%	50%	0,33	1,60
75%	25%	0,26	1,92
84%	16%	0,22	2,15
90%	10%	0,19	2,43
95%	5%	0,12	3,08

Moments Statistics

Mean	1,62
Sorting	0,63
Skewness	0,14
Kurtosis	1,42
Uniformity Coefficient	1,92

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

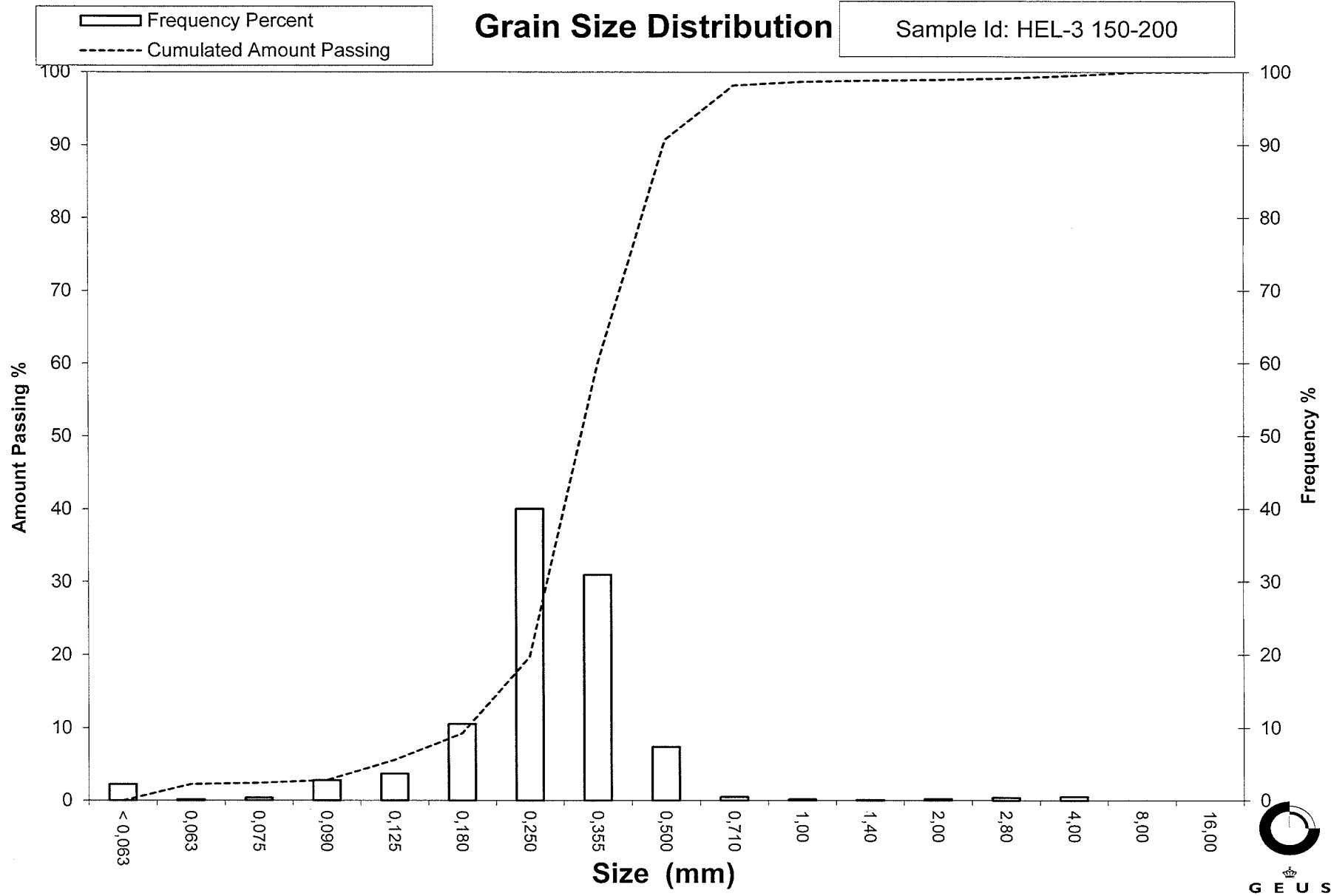
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

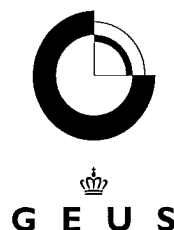
Sample Id: HEL-3 150-200



Grain Size Distribution

Geotechnical

Sample Id: HES-1 0-200
Lab. Id: 150163
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 158,57 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	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	0,36	0,23	99,77
	2,00	-1,00	0,17	0,11	99,67
	1,40	-0,49	0,15	0,09	99,57
	1,00	0,00	0,30	0,19	99,38
	0,710	0,49	0,36	0,23	99,15
	0,500	1,00	0,77	0,49	98,67
	0,355	1,49	1,81	1,14	97,53
	0,250	2,00	6,09	3,84	93,69
	0,180	2,47	22,58	14,24	79,45
	0,125	3,00	41,04	25,88	53,57
	0,090	3,47	30,54	19,26	34,31
	0,075	3,74	9,74	6,14	28,16
	0,063	3,99	6,95	4,38	23,78
	< 0,063	> 3,99	37,71	23,78	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	23,78
Sand, fine (0,063 mm - 0,200 mm):	59,73
Sand, medium (0,2 mm - 0,6 mm):	15,38
Sand, coarse (0,6 mm - 2 mm):	0,77
Gravel (> 2 mm):	0,33
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,29	1,81
16%	84%	0,20	2,30
25%	75%	0,17	2,55
40%	60%	0,14	2,85
Median 50%	50%	0,12	3,08
75%	25%	0,07	3,91
84%	16%	-----	-----
90%	10%	-----	-----
95%	5%	-----	-----

Moments Statistics

Mean	2,69
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

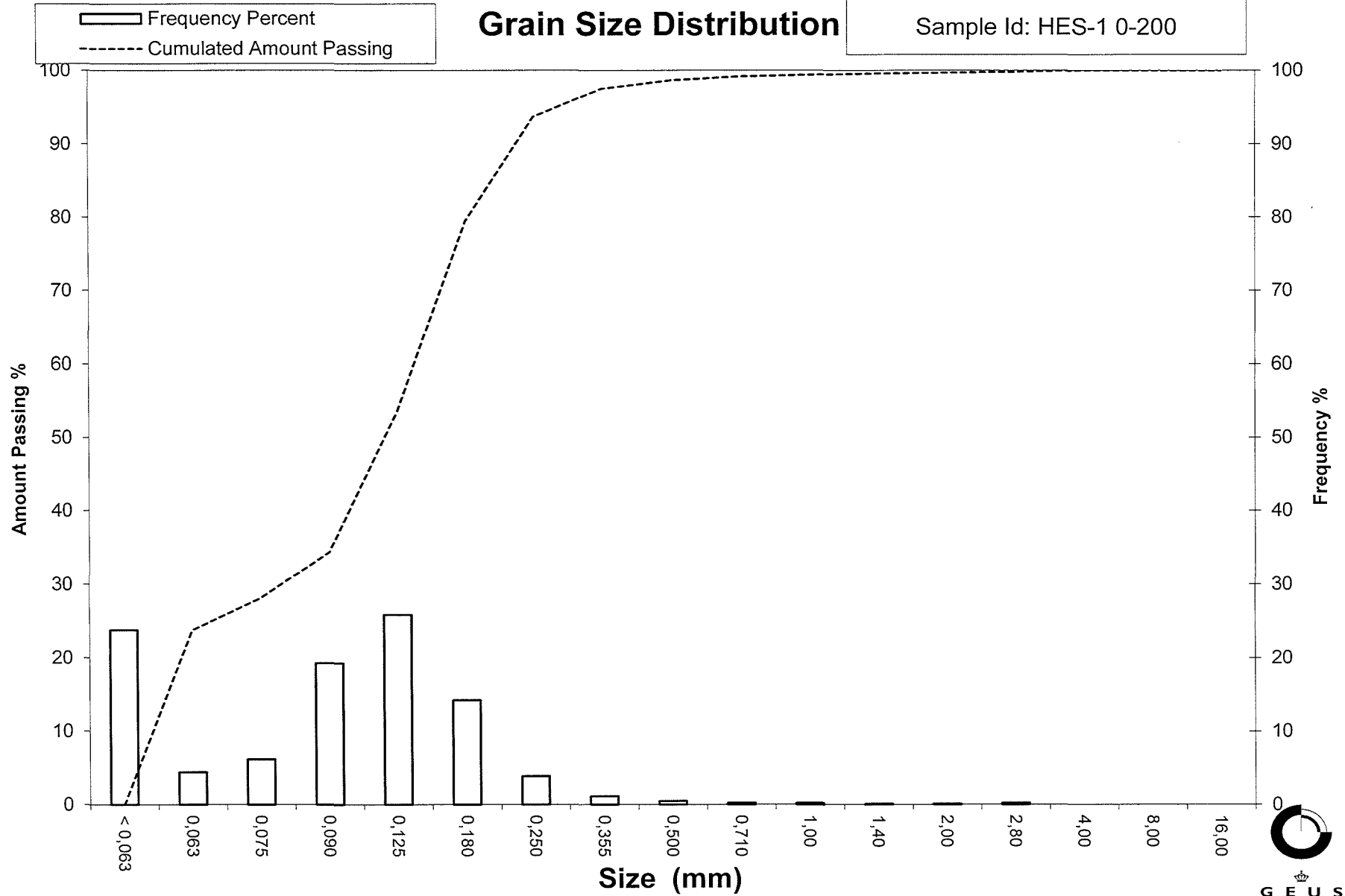
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: HES-1 0-200



Grain Size Distribution

Geotechnical

Sample Id: HES-5 0-50
Lab. Id: 150164
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 157,73 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,05	0,03	99,97
2,00	-1,00	0,07	0,04	99,92
1,40	-0,49	0,16	0,10	99,82
1,00	0,00	0,57	0,36	99,46
0,710	0,49	1,59	1,01	98,45
0,500	1,00	4,83	3,06	95,39
0,355	1,49	11,21	7,11	88,28
0,250	2,00	27,25	17,28	71,01
0,180	2,47	38,27	24,26	46,74
0,125	3,00	58,07	36,82	9,93
0,090	3,47	12,62	8,00	1,93
0,075	3,74	1,02	0,65	1,28
0,063	3,99	0,32	0,20	1,08
< 0,063	> 3,99	1,70	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):	52,60
Sand, medium (0,2 mm - 0,6 mm):	43,17
Sand, coarse (0,6 mm - 2 mm):	3,07
Gravel (> 2 mm):	0,08
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,49	1,02
16%	84%	0,33	1,60
25%	75%	0,27	1,87
40%	60%	0,22	2,20
Median 50%	50%	0,19	2,40
75%	25%	0,15	2,76
84%	16%	0,13	2,90
90%	10%	0,13	3,00
95%	5%	0,10	3,27

Moments Statistics

Mean	2,30
Sorting	0,66
Skewness	-0,23
Kurtosis	1,03
Uniformity Coefficient	1,74

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

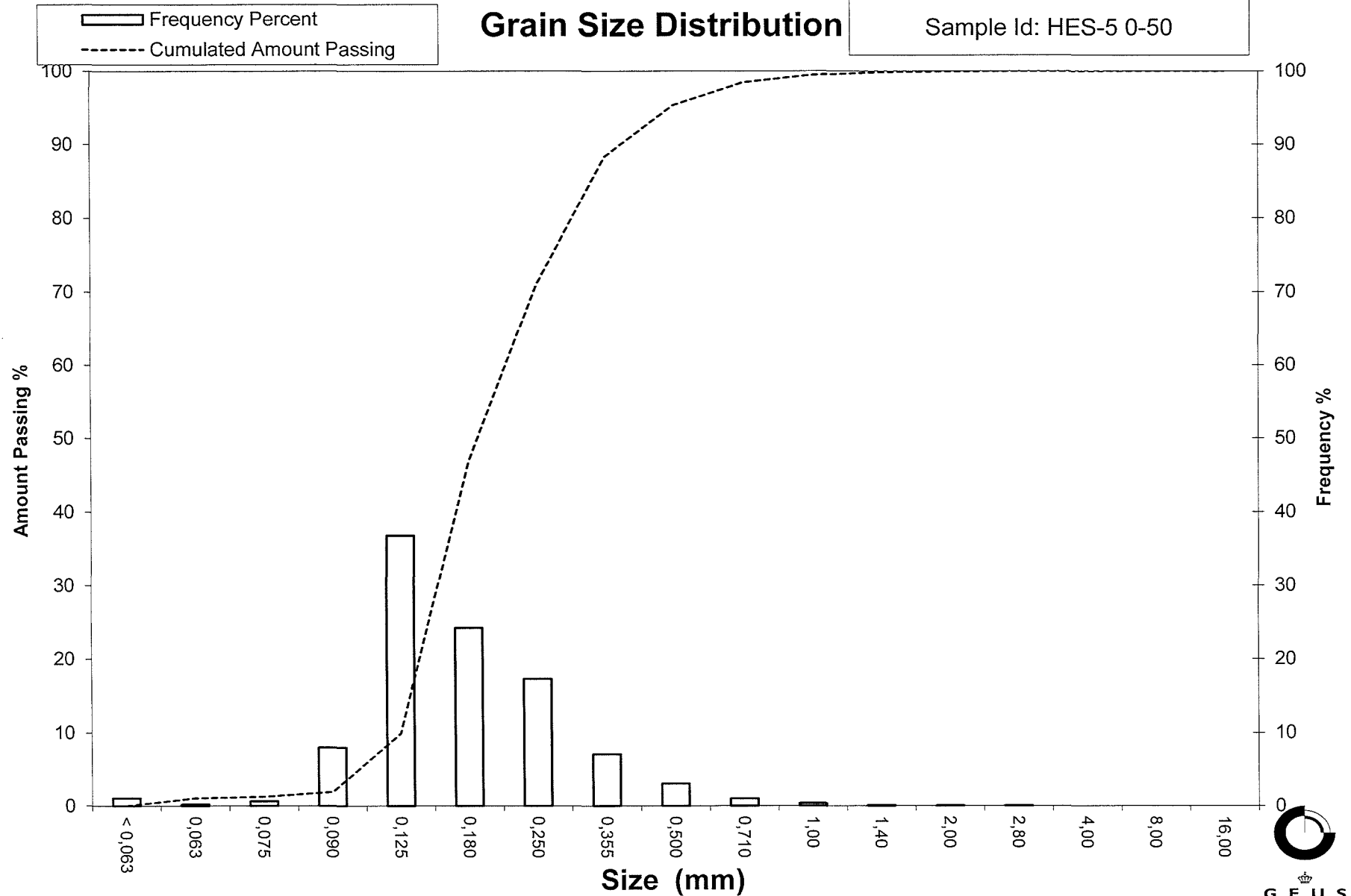
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

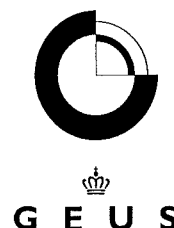
Sample Id: HES-5 0-50



Grain Size Distribution

Geotechnical

Sample Id: HES-5 60-120
Lab. Id: 150165
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 155,54 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,03	0,02	99,98
2,00	-1,00	0,00	0,00	99,98
1,40	-0,49	0,05	0,03	99,95
1,00	0,00	0,26	0,17	99,78
0,710	0,49	0,76	0,49	99,29
0,500	1,00	2,12	1,36	97,93
0,355	1,49	5,77	3,71	94,22
0,250	2,00	16,50	10,61	83,61
0,180	2,47	30,39	19,54	64,07
0,125	3,00	74,04	47,60	16,47
0,090	3,47	21,41	13,76	2,71
0,075	3,74	1,37	0,88	1,83
0,063	3,99	0,53	0,34	1,49
< 0,063	> 3,99	2,31	1,49	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,49
Sand, fine (0,063 mm - 0,200 mm):	68,17
Sand, medium (0,2 mm - 0,6 mm):	28,92
Sand, coarse (0,6 mm - 2 mm):	1,40
Gravel (> 2 mm):	0,02
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,39	1,38
16%	84%	0,25	1,98
25%	75%	0,22	2,19
40%	60%	0,18	2,51
Median 50%	50%	0,16	2,61
75%	25%	0,13	2,89
84%	16%	0,12	3,01
90%	10%	0,11	3,20
95%	5%	0,10	3,38

Moments Statistics

Mean	2,53
Sorting	0,56
Skewness	-0,23
Kurtosis	1,17
Uniformity Coefficient	1,61

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

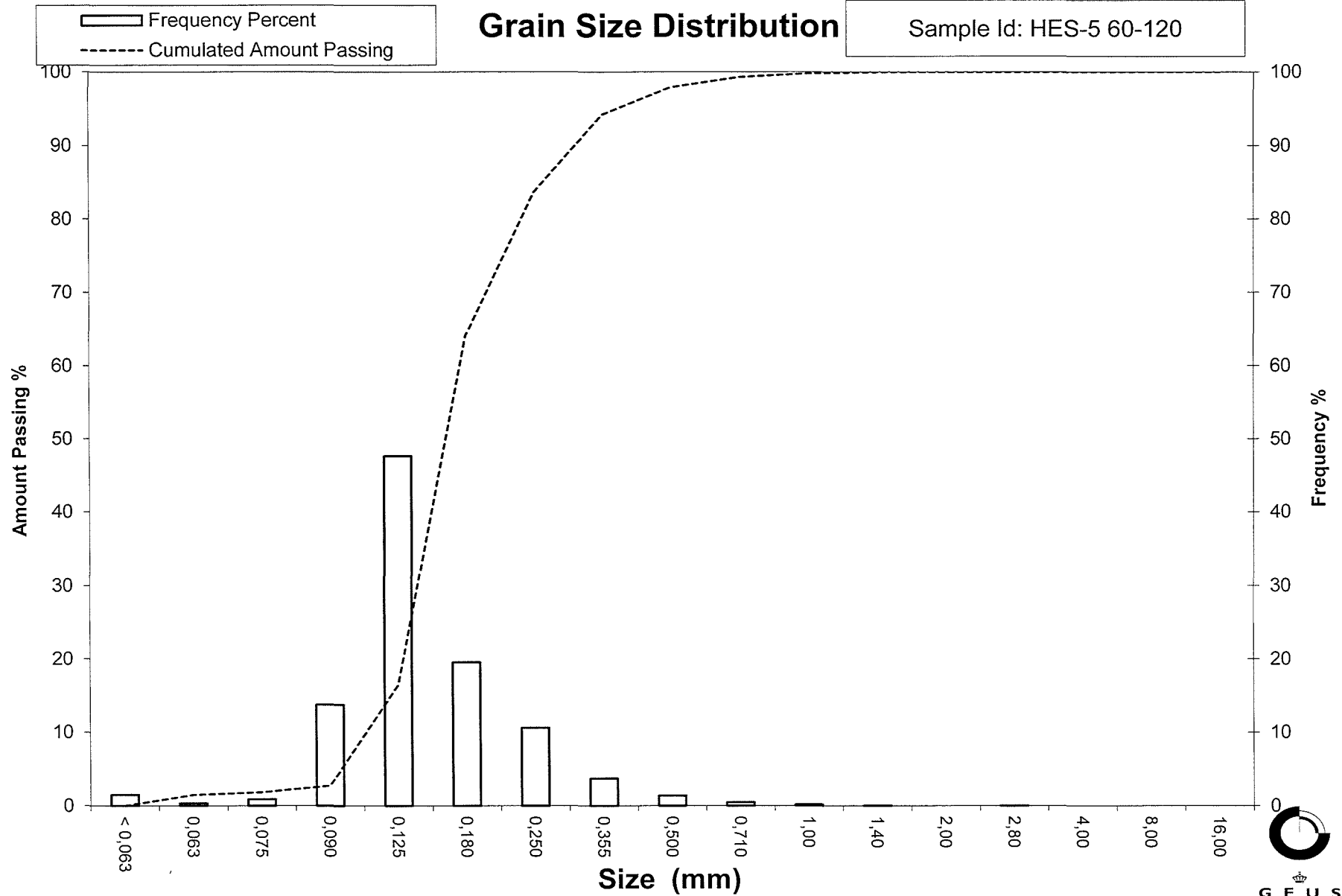
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

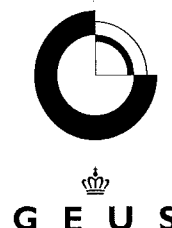
Sample Id: HES-5 60-120



Grain Size Distribution

Geotechnical

Sample Id: HES-6 0-80
Lab. Id: 151166
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 1286,15 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	49,40	3,84	96,16
8,00	-3,00	142,31	11,06	85,09
4,00	-2,00	109,03	8,48	76,62
2,80	-1,49	145,15	11,29	65,33
2,00	-1,00	103,56	8,05	57,28
1,40	-0,49	106,20	8,26	49,02
1,00	0,00	112,87	8,78	40,25
0,710	0,49	108,32	8,42	31,82
0,500	1,00	134,86	10,49	21,34
0,355	1,49	118,46	9,21	12,13
0,250	2,00	87,99	6,84	5,29
0,180	2,47	38,23	2,97	2,31
0,125	3,00	18,42	1,43	0,88
0,090	3,47	6,67	0,52	0,36
0,075	3,74	2,12	0,16	0,20
0,063	3,99	1,81	0,14	0,06
< 0,063	> 3,99	0,75	0,06	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,06
Sand, fine (0,063 mm - 0,200 mm):	3,11
Sand, medium (0,2 mm - 0,6 mm):	23,17
Sand, coarse (0,6 mm - 2 mm):	30,95
Gravel (> 2 mm):	42,72
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	15,16	-3,92
16%	84%	7,48	-2,90
25%	75%	3,83	-1,94
40%	60%	2,27	-1,18
Median 50%	50%	1,47	-0,56
75%	25%	0,57	0,80
84%	16%	0,42	1,27
90%	10%	0,32	1,63
95%	5%	0,24	2,04

Moments Statistics

Mean	-0,73
Sorting	1,95
Skewness	-0,13
Kurtosis	0,89
Uniformity Coefficient	7,04

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

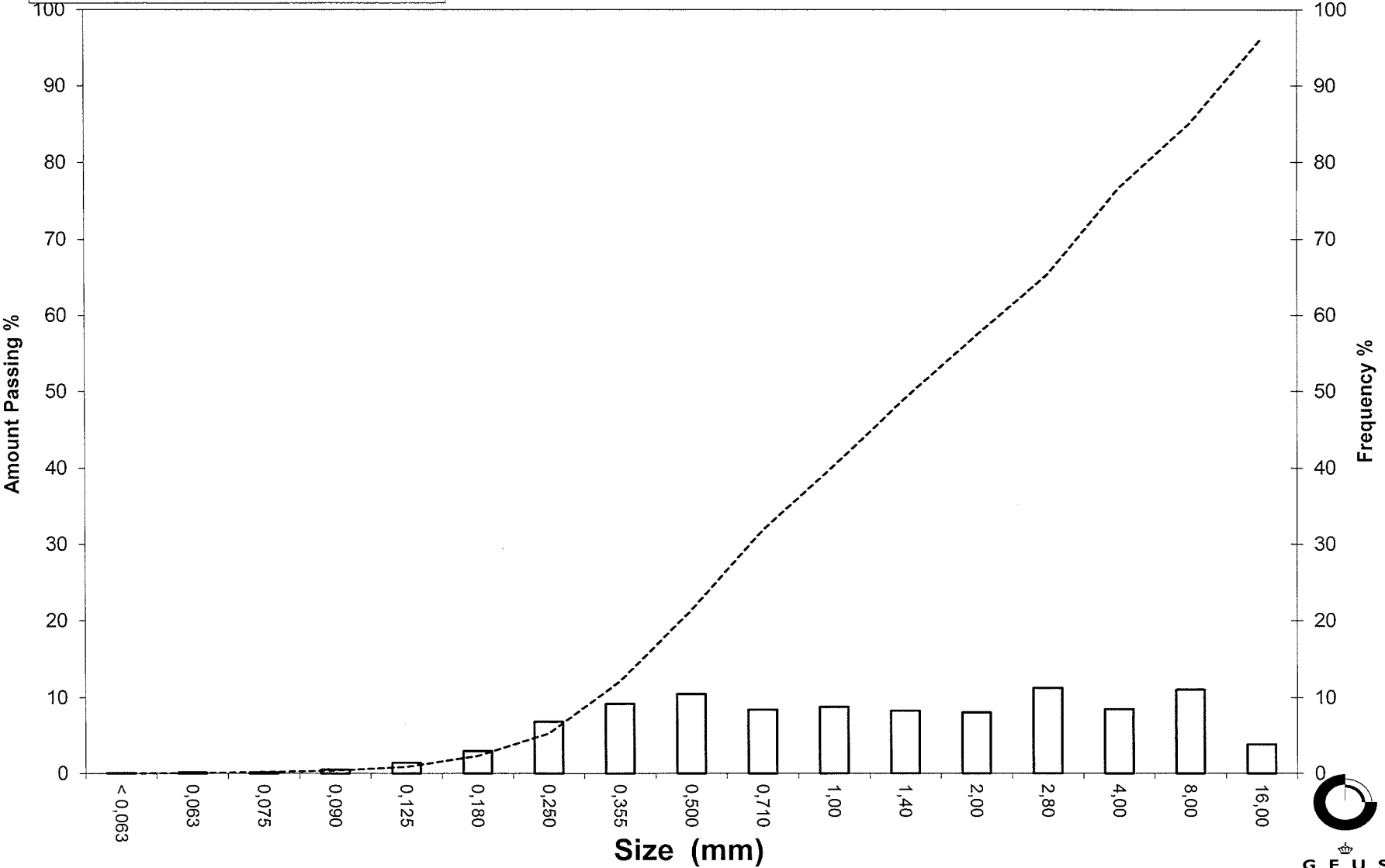
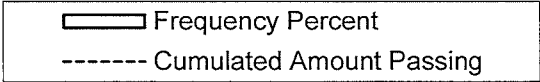
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

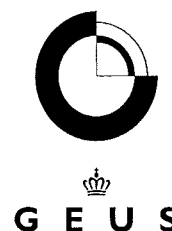
Sample Id: HES-6 0-80



Grain Size Distribution

Geotechnical

Sample Id: HES-7 0-100
Lab. Id: 150167
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 178,5 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,07	0,04	99,96
2,00	-1,00	1,19	0,67	99,29
1,40	-0,49	2,24	1,25	98,04
1,00	0,00	8,33	4,67	93,37
0,710	0,49	17,44	9,77	83,60
0,500	1,00	34,18	19,15	64,45
0,355	1,49	52,08	29,18	35,28
0,250	2,00	43,24	24,22	11,05
0,180	2,47	12,19	6,83	4,22
0,125	3,00	3,18	1,78	2,44
0,090	3,47	0,75	0,42	2,02
0,075	3,74	0,19	0,11	1,92
0,063	3,99	0,13	0,07	1,84
< 0,063	> 3,99	3,29	1,84	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,84
Sand, fine (0,063 mm - 0,200 mm):	4,33
Sand, medium (0,2 mm - 0,6 mm):	67,40
Sand, coarse (0,6 mm - 2 mm):	25,72
Gravel (> 2 mm):	0,71
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,14	-0,19
16%	84%	0,72	0,47
25%	75%	0,62	0,70
40%	60%	0,48	1,07
Median 50%	50%	0,43	1,22
75%	25%	0,31	1,69
84%	16%	0,27	1,88
90%	10%	0,24	2,06
95%	5%	0,19	2,41

Moments Statistics

Mean	1,19
Sorting	0,75
Skewness	-0,08
Kurtosis	1,08
Uniformity Coefficient	2,00

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

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

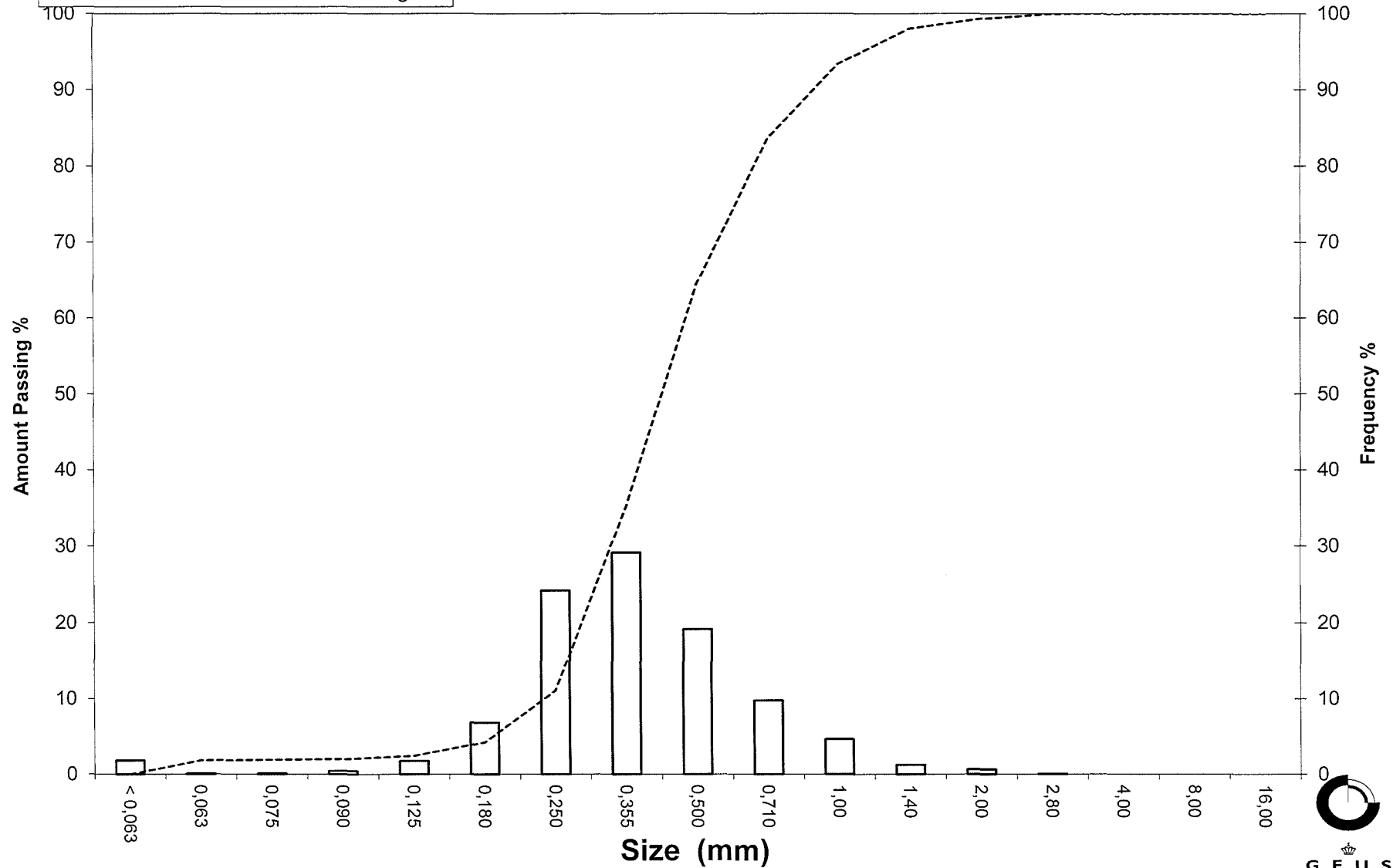
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

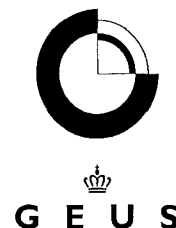
Sample Id: HES-7 0-100



Grain Size Distribution

Geotechnical

Sample Id: HES-7 120-170
Lab. Id: 150168
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks: >32mm (126 g) indgår i >16mm



Total Weight 1362,27 g

Size Fractions

Sieve Analysis					
	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	464,72	34,11	65,89
	8,00	-3,00	71,17	5,22	60,66
	4,00	-2,00	56,73	4,16	56,50
	2,80	-1,49	38,24	2,81	53,69
	2,00	-1,00	38,84	2,85	50,84
	1,40	-0,49	42,58	3,13	47,71
	1,00	0,00	72,75	5,34	42,37
	0,710	0,49	105,14	7,72	34,66
	0,500	1,00	171,49	12,59	22,07
	0,355	1,49	167,02	12,26	9,81
Sand	0,250	2,00	89,50	6,57	3,24
	0,180	2,47	22,81	1,67	1,56
	0,125	3,00	6,78	0,50	1,06
	0,090	3,47	1,83	0,13	0,93
	0,075	3,74	0,53	0,04	0,89
	0,063	3,99	0,38	0,03	0,86
	< 0.063	> 3.99	11.76	0.86	0.00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,86
Sand, fine (0,063 mm - 0,200 mm):	1,18
Sand, medium (0,2 mm - 0,6 mm):	26,02
Sand, coarse (0,6 mm - 2 mm):	22,78
Gravel (> 2 mm):	49,16
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	φ
Amount in sieve	Amount passing		
5%	95%	-----	-----
16%	84%	-----	-----
25%	75%	-----	-----
40%	60%	7,36	-2,88
Median 50%	50%	1,84	-0,88
75%	25%	0,55	0,87
84%	16%	0,43	1,22
90%	10%	0,36	1,48
95%	5%	0,28	1,85

Moments Statistics

Mean	0,17
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	20,61

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

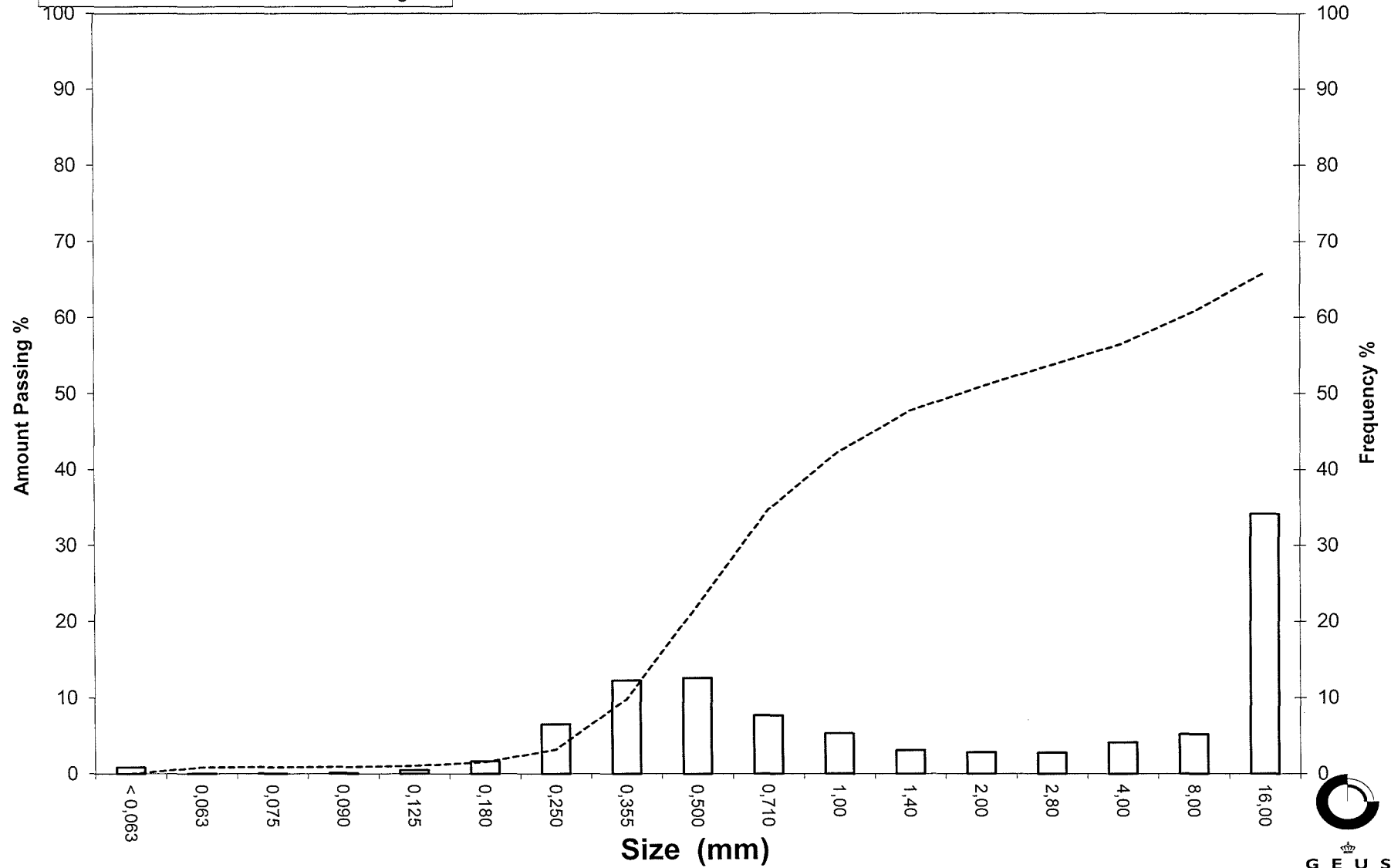
Kurtosis ($\phi_{95\%} - \phi_{5\%}$) / (2,44 * ($\phi_{75\%} - \phi_{25\%}$)) (Folk and Ward 1957)

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

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

Grain Size Distribution

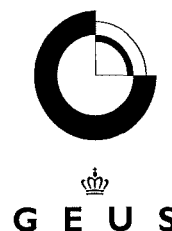
Sample Id: HES-7 120-170



Grain Size Distribution

Geotechnical

Sample Id: HES-8 0-100
Lab. Id: 150169
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 183,54 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	1,22	0,66	99,34
4,00	-2,00	19,32	10,53	88,81
2,80	-1,49	9,03	4,92	83,89
2,00	-1,00	10,59	5,77	78,12
1,40	-0,49	15,00	8,17	69,95
1,00	0,00	19,06	10,38	59,56
0,710	0,49	22,69	12,36	47,20
0,500	1,00	29,47	16,06	31,14
0,355	1,49	23,85	12,99	18,15
0,250	2,00	19,74	10,76	7,39
0,180	2,47	8,15	4,44	2,95
0,125	3,00	2,70	1,47	1,48
0,090	3,47	0,50	0,27	1,21
0,075	3,74	0,12	0,07	1,14
0,063	3,99	0,10	0,05	1,09
< 0,063	> 3,99	2,00	1,09	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,09
Sand, fine (0,063 mm - 0,200 mm):	3,13
Sand, medium (0,2 mm - 0,6 mm):	34,57
Sand, coarse (0,6 mm - 2 mm):	39,33
Gravel (> 2 mm):	21,88
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	6,35	-2,67
16%	84%	2,83	-1,50
25%	75%	1,77	-0,82
40%	60%	1,02	-0,02
Median 50%	50%	0,78	0,37
75%	25%	0,43	1,21
84%	16%	0,33	1,58
90%	10%	0,28	1,86
95%	5%	0,21	2,24

Moments Statistics

Mean	0,15
Sorting	1,51
Skewness	-0,22
Kurtosis	0,99
Uniformity Coefficient	3,69

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

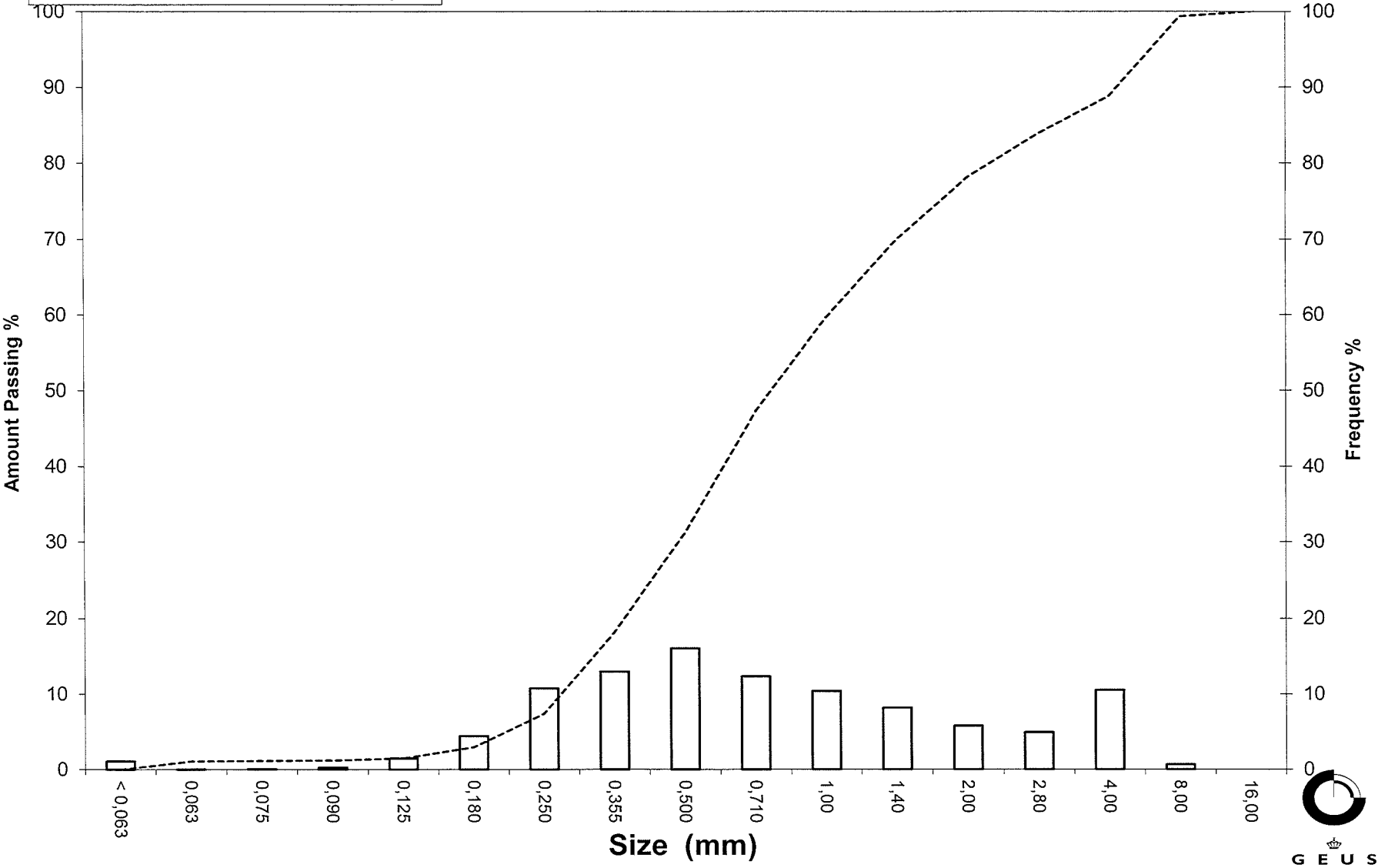
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: HES-8 0-100

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HES-12 50-100
Lab. Id: 150170
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 159,1 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,00	0,00	100,00
1,00	0,00	0,00	0,00	100,00
0,710	0,49	0,00	0,00	100,00
0,500	1,00	0,01	0,01	99,99
0,355	1,49	0,09	0,06	99,94
0,250	2,00	0,58	0,36	99,57
0,180	2,47	4,34	2,73	96,84
0,125	3,00	56,98	35,81	61,03
0,090	3,47	48,40	30,42	30,61
0,075	3,74	12,10	7,61	23,00
0,063	3,99	9,21	5,79	17,22
< 0,063	> 3,99	27,39	17,22	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	17,22
Sand, fine (0,063 mm - 0,200 mm):	80,41
Sand, medium (0,2 mm - 0,6 mm):	2,37
Sand, coarse (0,6 mm - 2 mm):	0,00
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,18	2,50
16%	84%	0,16	2,64
25%	75%	0,15	2,77
40%	60%	0,12	3,01
Median 50%	50%	0,11	3,15
75%	25%	0,08	3,66
84%	16%	-----	-----
90%	10%	-----	-----
95%	5%	-----	-----

Moments Statistics

Mean	2,90
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

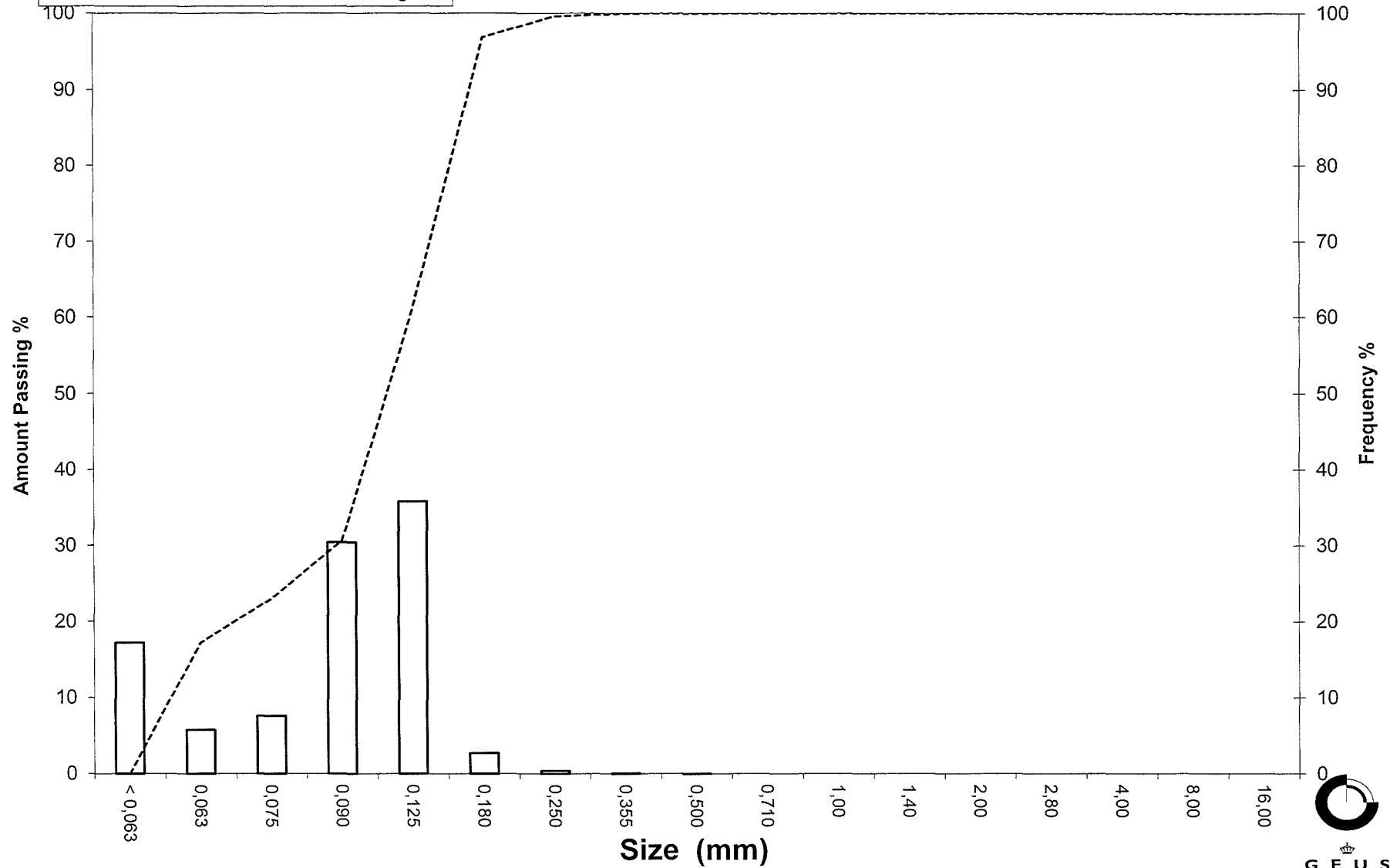
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: HES-12 50-100

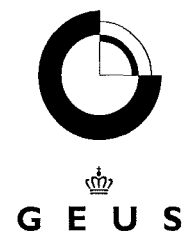
Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HES-14 0-100
Lab. Id: 150171
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 148,83 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,58	0,39	99,61
	2,80	-1,49	0,24	0,16	99,45
	2,00	-1,00	0,39	0,26	99,19
	1,40	-0,49	0,51	0,34	98,84
	1,00	0,00	0,76	0,51	98,33
	0,710	0,49	0,95	0,64	97,70
	0,500	1,00	2,08	1,40	96,30
	0,355	1,49	4,57	3,07	93,23
	0,250	2,00	31,39	21,09	72,14
	0,180	2,47	55,22	37,10	35,03
	0,125	3,00	36,57	24,57	10,46
	0,090	3,47	9,03	6,07	4,39
	0,075	3,74	1,77	1,19	3,20
	0,063	3,99	1,08	0,73	2,48
	< 0,063	> 3,99	3,69	2,48	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,48
Sand, fine (0,063 mm - 0,200 mm):	43,15
Sand, medium (0,2 mm - 0,6 mm):	51,33
Sand, coarse (0,6 mm - 2 mm):	2,22
Gravel (> 2 mm):	0,81
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,44	1,19
16%	84%	0,31	1,69
25%	75%	0,26	1,92
40%	60%	0,23	2,14
Median 50%	50%	0,21	2,26
75%	25%	0,16	2,67
84%	16%	0,14	2,86
90%	10%	0,12	3,03
95%	5%	0,09	3,42

Moments Statistics

Mean	2,27
Sorting	0,63
Skewness	0,03
Kurtosis	1,22
Uniformity Coefficient	1,86

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

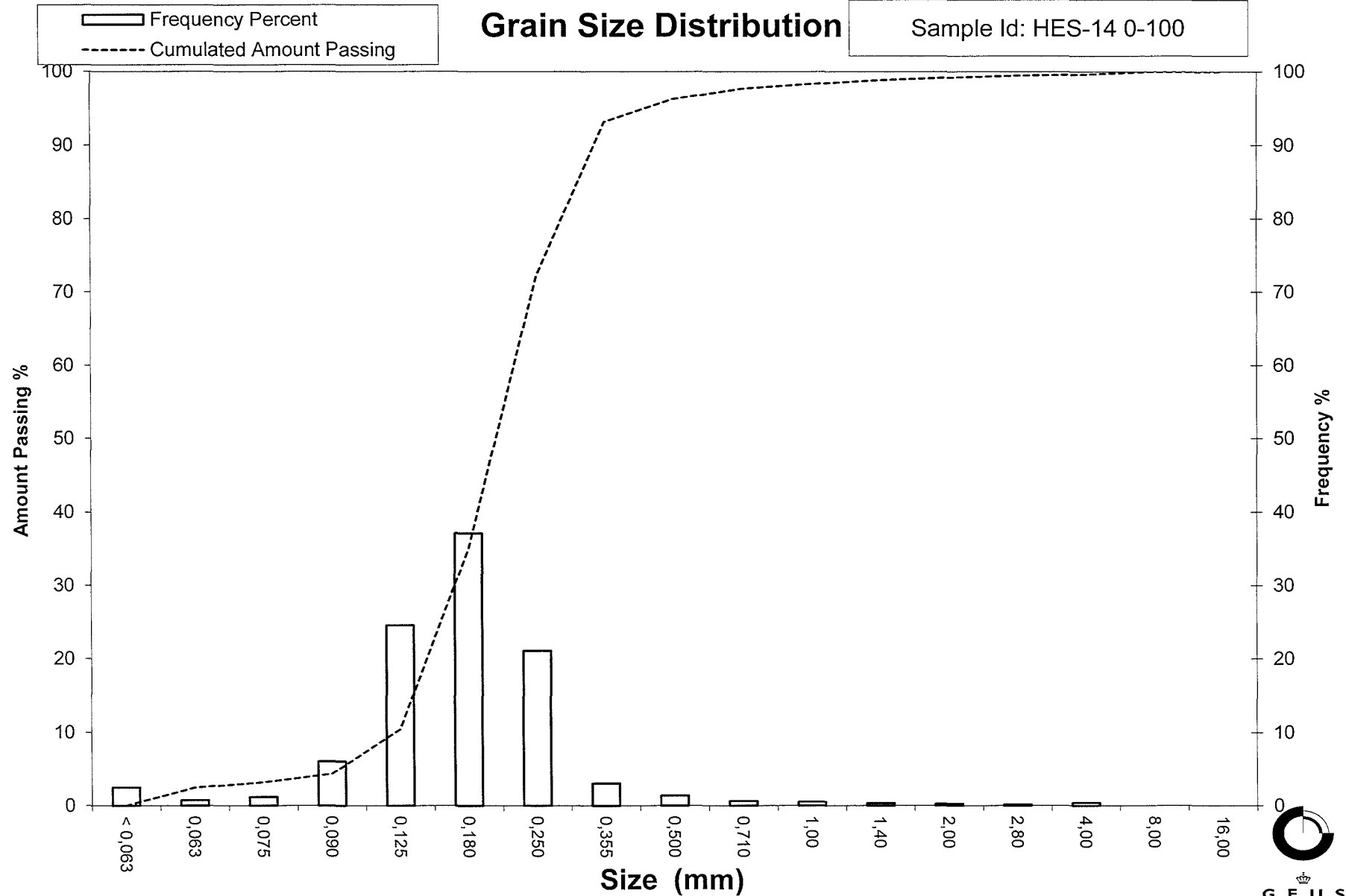
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

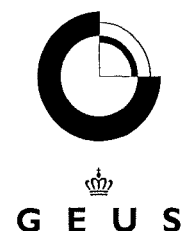
Sample Id: HES-14 0-100



Grain Size Distribution

Geotechnical

Sample Id: HES-14 200-300
Lab. Id: 150172
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 161,54 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,00	0,00	100,00
	1,40	-0,49	0,00	0,00	100,00
	1,00	0,00	0,10	0,06	99,94
	0,710	0,49	0,60	0,37	99,57
	0,500	1,00	7,90	4,89	94,68
	0,355	1,49	41,03	25,40	69,28
Sand	0,250	2,00	69,68	43,13	26,14
	0,180	2,47	28,58	17,69	8,45
	0,125	3,00	8,84	5,47	2,98
	0,090	3,47	1,77	1,10	1,88
	0,075	3,74	0,31	0,19	1,69
	0,063	3,99	0,17	0,11	1,58
	< 0,063	> 3,99	2,56	1,58	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,58
Sand, fine (0,063 mm - 0,200 mm):	11,92
Sand, medium (0,2 mm - 0,6 mm):	83,50
Sand, coarse (0,6 mm - 2 mm):	2,99
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,51	0,96
16%	84%	0,44	1,19
25%	75%	0,39	1,37
40%	60%	0,33	1,59
Median 50%	50%	0,31	1,70
75%	25%	0,25	2,03
84%	16%	0,21	2,25
90%	10%	0,19	2,43
95%	5%	0,15	2,78

Moments Statistics

Mean	1,71
Sorting	0,54
Skewness	0,11
Kurtosis	1,13
Uniformity Coefficient	1,79

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

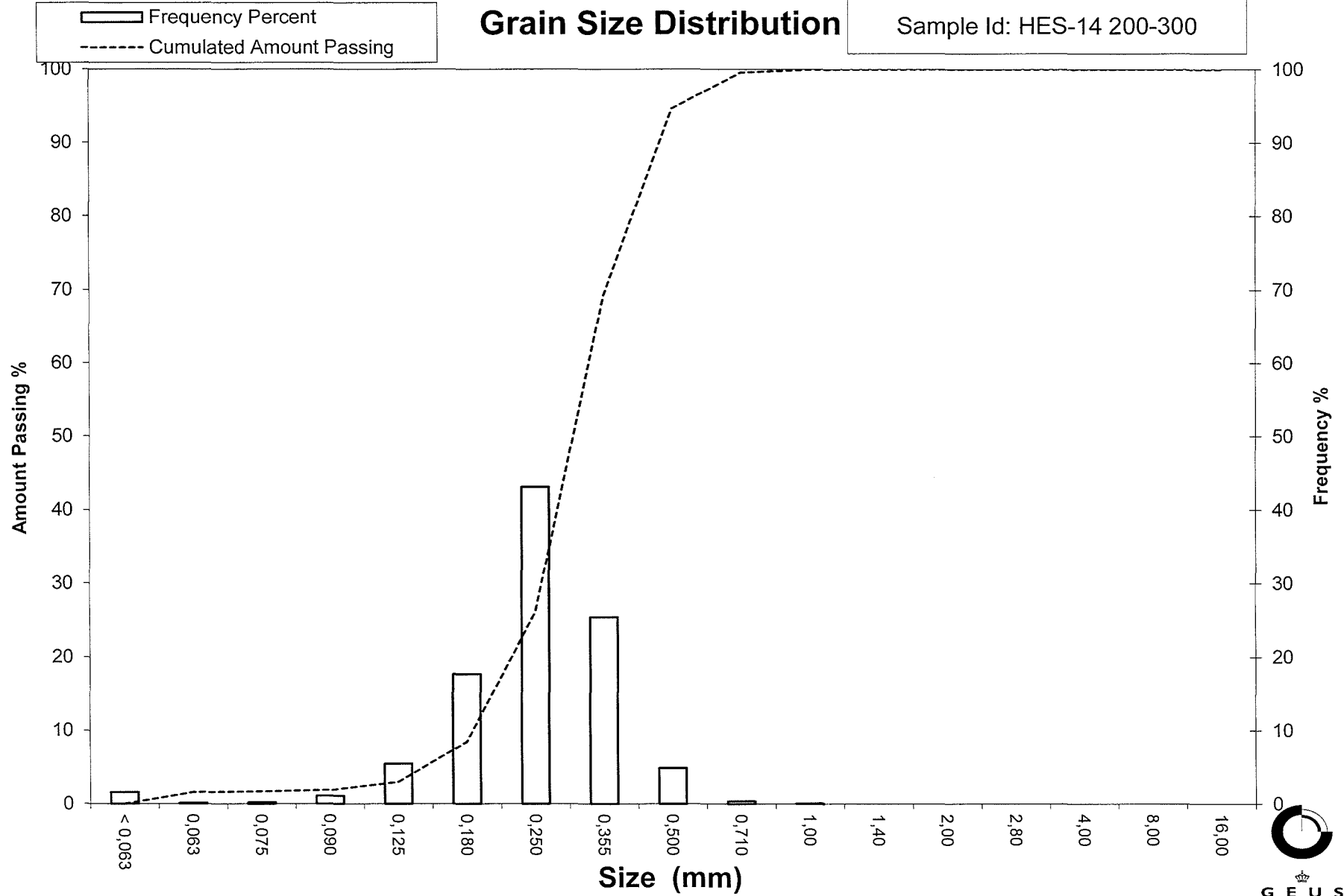
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

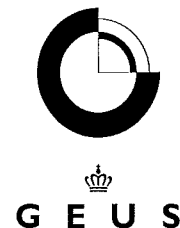
Sample Id: HES-14 200-300



Grain Size Distribution

Geotechnical

Sample Id: LG-1 50-250
Lab. Id: 150173
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 164,61 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,04	0,02	99,98
2,00	-1,00	0,08	0,05	99,93
1,40	-0,49	0,13	0,08	99,85
1,00	0,00	0,54	0,33	99,52
0,710	0,49	1,22	0,74	98,78
0,500	1,00	5,15	3,13	95,65
0,355	1,49	23,20	14,09	81,56
0,250	2,00	72,10	43,80	37,76
0,180	2,47	41,22	25,04	12,71
0,125	3,00	16,15	9,81	2,90
0,090	3,47	2,77	1,68	1,22
0,075	3,74	0,25	0,15	1,07
0,063	3,99	0,10	0,06	1,01
< 0,063	> 3,99	1,66	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):	18,86
Sand, medium (0,2 mm - 0,6 mm):	77,27
Sand, coarse (0,6 mm - 2 mm):	2,79
Gravel (> 2 mm):	0,07
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,49	1,02
16%	84%	0,38	1,40
25%	75%	0,34	1,56
40%	60%	0,30	1,72
Median 50%	50%	0,28	1,84
75%	25%	0,21	2,22
84%	16%	0,19	2,40
90%	10%	0,16	2,60
95%	5%	0,14	2,87

Moments Statistics

Mean	1,88
Sorting	0,53
Skewness	0,12
Kurtosis	1,14
Uniformity Coefficient	1,84

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

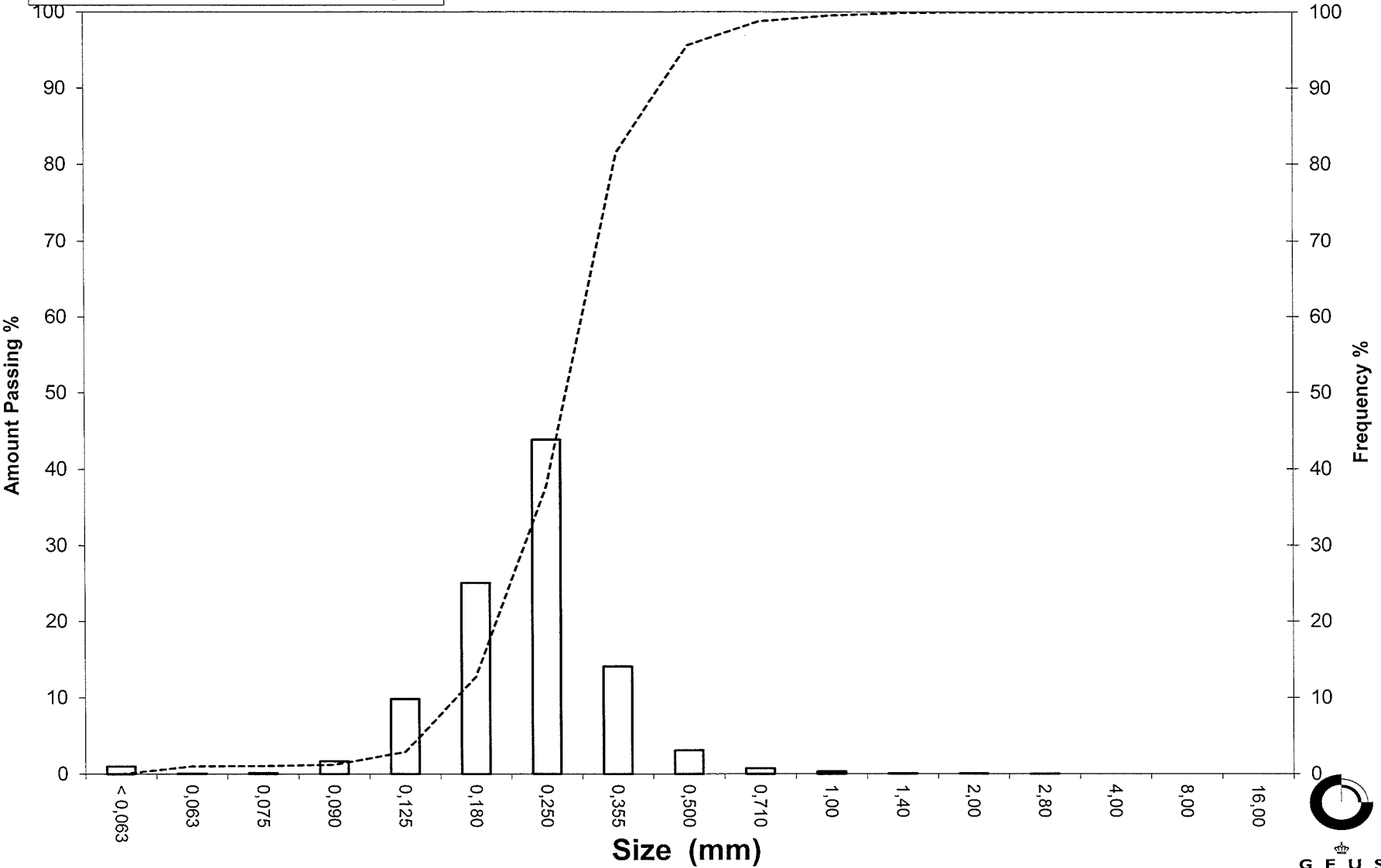
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: LG-1 50-250

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: LG-2 0-400
Lab. Id: 150174
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 159,77 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,28	0,18	99,82
	2,00	-1,00	0,54	0,34	99,49
	1,40	-0,49	0,53	0,33	99,16
	1,00	0,00	1,50	0,94	98,22
	0,710	0,49	2,72	1,70	96,51
	0,500	1,00	8,69	5,44	91,07
	0,355	1,49	18,18	11,38	79,70
Sand	0,250	2,00	33,61	21,04	58,66
	0,180	2,47	52,03	32,57	26,09
	0,125	3,00	32,45	20,31	5,78
	0,090	3,47	6,50	4,07	1,71
	0,075	3,74	0,65	0,41	1,31
	0,063	3,99	0,28	0,18	1,13
	< 0,063	> 3,99	1,81	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):	34,27
Sand, medium (0,2 mm - 0,6 mm):	58,27
Sand, coarse (0,6 mm - 2 mm):	5,82
Gravel (> 2 mm):	0,51
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,65	0,62
16%	84%	0,41	1,29
25%	75%	0,33	1,59
40%	60%	0,26	1,96
Median 50%	50%	0,23	2,11
75%	25%	0,18	2,50
84%	16%	0,15	2,71
90%	10%	0,14	2,87
95%	5%	0,12	3,08

Moments Statistics

Mean	2,04
Sorting	0,73
Skewness	-0,19
Kurtosis	1,11
Uniformity Coefficient	1,88

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

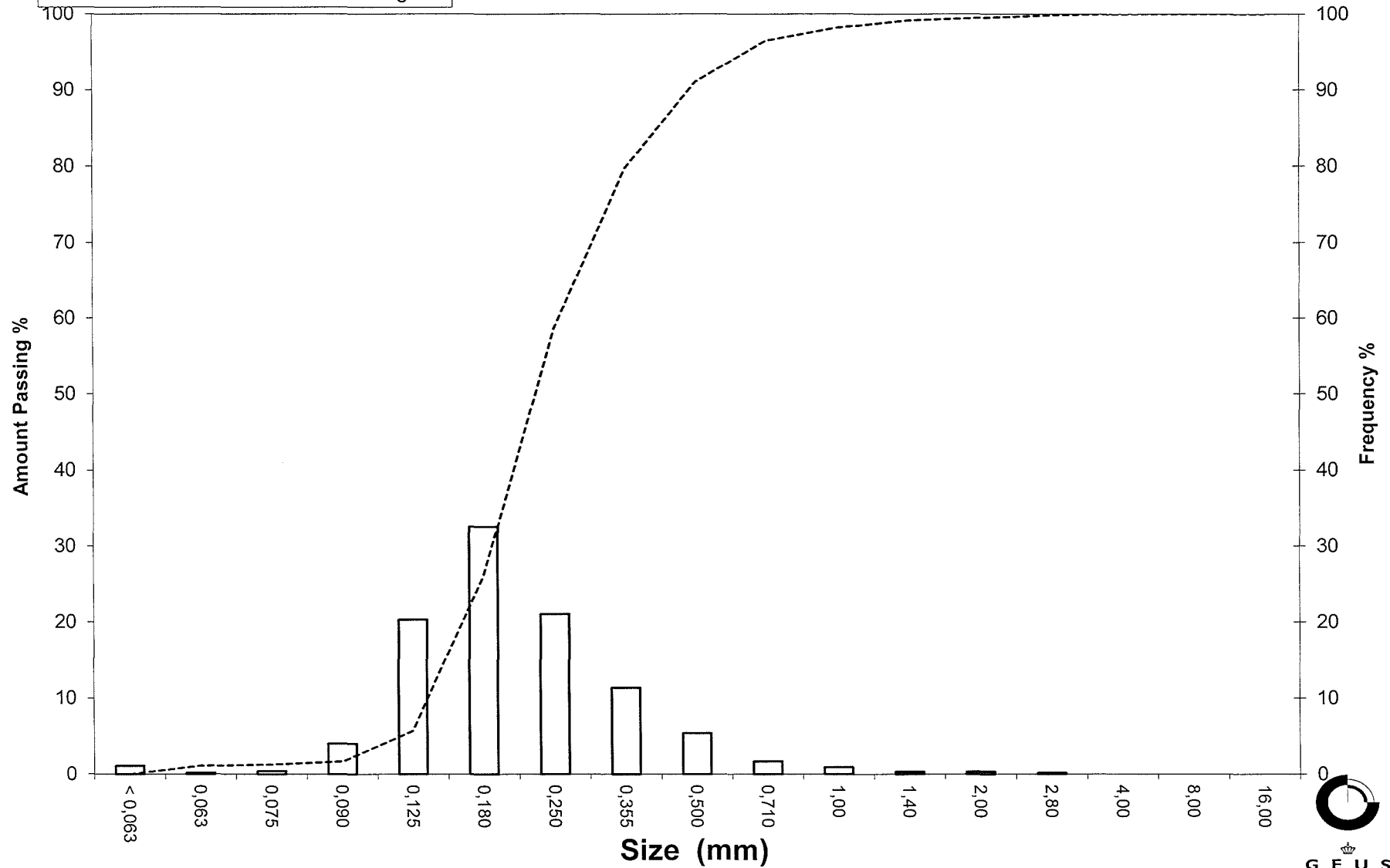
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: LG-2 0-400



Grain Size Distribution

Geotechnical

Sample Id: LG-5 40-120
Lab. Id: 150175
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 186,49 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	3,13	1,68	98,32
	2,80	-1,49	2,96	1,59	96,73
	2,00	-1,00	4,15	2,23	94,51
	1,40	-0,49	6,28	3,37	91,14
	1,00	0,00	9,23	4,95	86,19
	0,710	0,49	13,50	7,24	78,95
	0,500	1,00	31,11	16,68	62,27
	0,355	1,49	41,41	22,20	40,07
	0,250	2,00	33,05	17,72	22,34
	0,180	2,47	23,35	12,52	9,82
	0,125	3,00	15,88	8,52	1,31
	0,090	3,47	0,97	0,52	0,79
	0,075	3,74	0,06	0,03	0,76
	0,063	3,99	0,02	0,01	0,75
	< 0,063	> 3,99	1,39	0,75	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,75
Sand, fine (0,063 mm - 0,200 mm):	12,66
Sand, medium (0,2 mm - 0,6 mm):	56,81
Sand, coarse (0,6 mm - 2 mm):	24,29
Gravel (> 2 mm):	5,49
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	2,18	-1,12
16%	84%	0,91	0,13
25%	75%	0,66	0,60
40%	60%	0,49	1,04
Median 50%	50%	0,42	1,25
75%	25%	0,27	1,91
84%	16%	0,21	2,22
90%	10%	0,18	2,47
95%	5%	0,15	2,75

Moments Statistics

Mean	1,20
Sorting	1,11
Skewness	-0,15
Kurtosis	1,21
Uniformity Coefficient	2,68

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

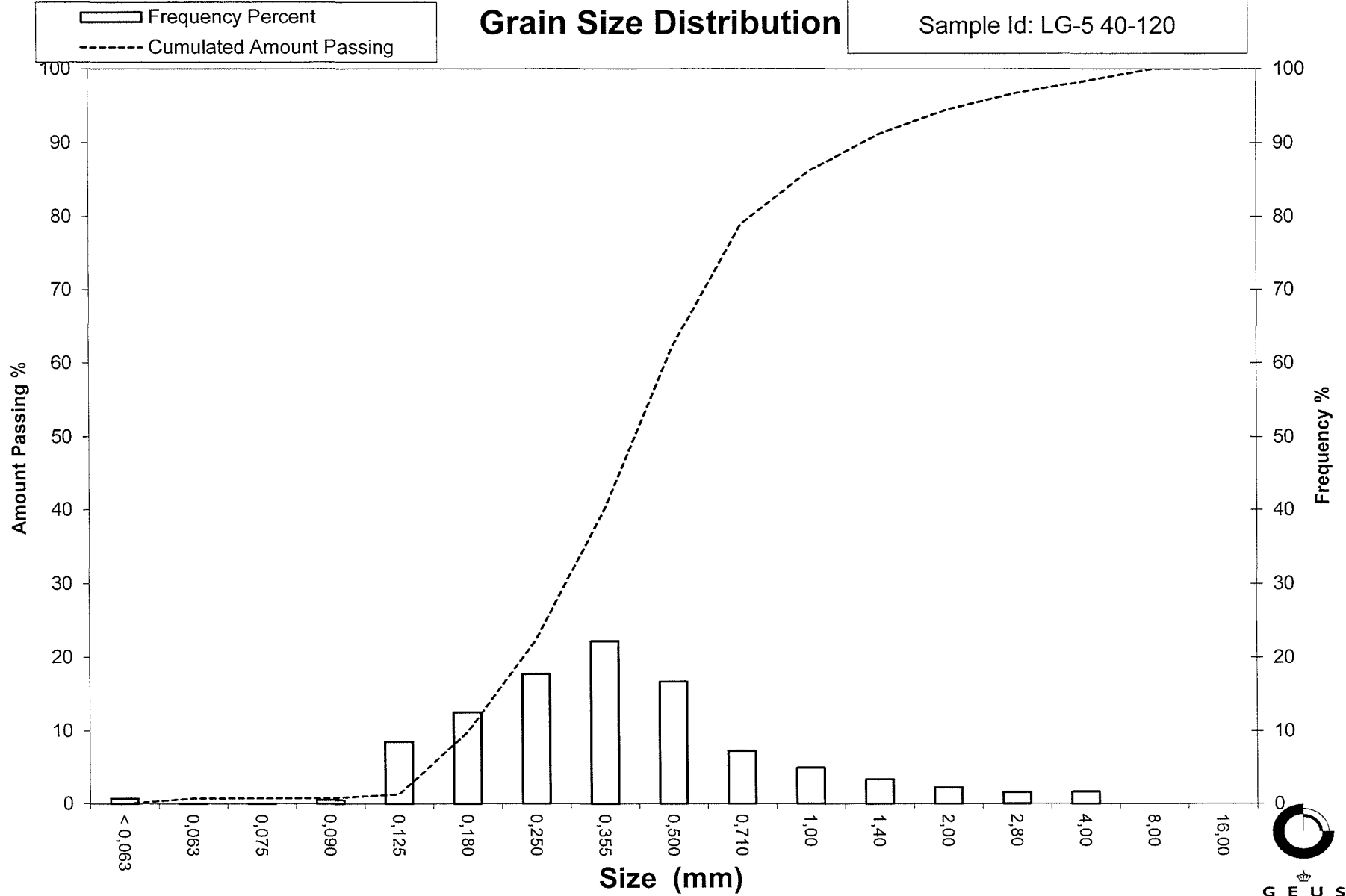
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

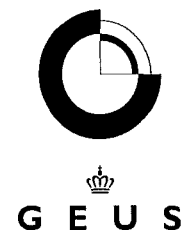
Sample Id: LG-5 40-120



Grain Size Distribution

Geotechnical

Sample Id: LG-5 220-320
Lab. Id: 150176
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 165,91 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	2,05	1,24	98,76
	4,00	-2,00	0,00	0,00	98,76
	2,80	-1,49	0,35	0,21	98,55
	2,00	-1,00	0,52	0,31	98,24
	1,40	-0,49	1,43	0,86	97,38
	1,00	0,00	6,28	3,79	93,59
	0,710	0,49	11,07	6,67	86,92
	0,500	1,00	20,30	12,24	74,69
	0,355	1,49	25,95	15,64	59,04
	0,250	2,00	18,55	11,18	47,86
	0,180	2,47	26,11	15,74	32,13
	0,125	3,00	46,54	28,05	4,07
	0,090	3,47	5,00	3,01	1,06
	0,075	3,74	0,29	0,17	0,89
	0,063	3,99	0,11	0,07	0,82
	< 0,063	> 3,99	1,36	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):	35,80
Sand, medium (0,2 mm - 0,6 mm):	43,89
Sand, coarse (0,6 mm - 2 mm):	17,73
Gravel (> 2 mm):	1,76
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,15	-0,20
16%	84%	0,66	0,60
25%	75%	0,51	0,98
40%	60%	0,36	1,46
Median 50%	50%	0,27	1,89
75%	25%	0,17	2,59
84%	16%	0,15	2,75
90%	10%	0,14	2,87
95%	5%	0,13	2,98

Moments Statistics

Mean	1,75
Sorting	1,02
Skewness	-0,26
Kurtosis	0,81
Uniformity Coefficient	2,66

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

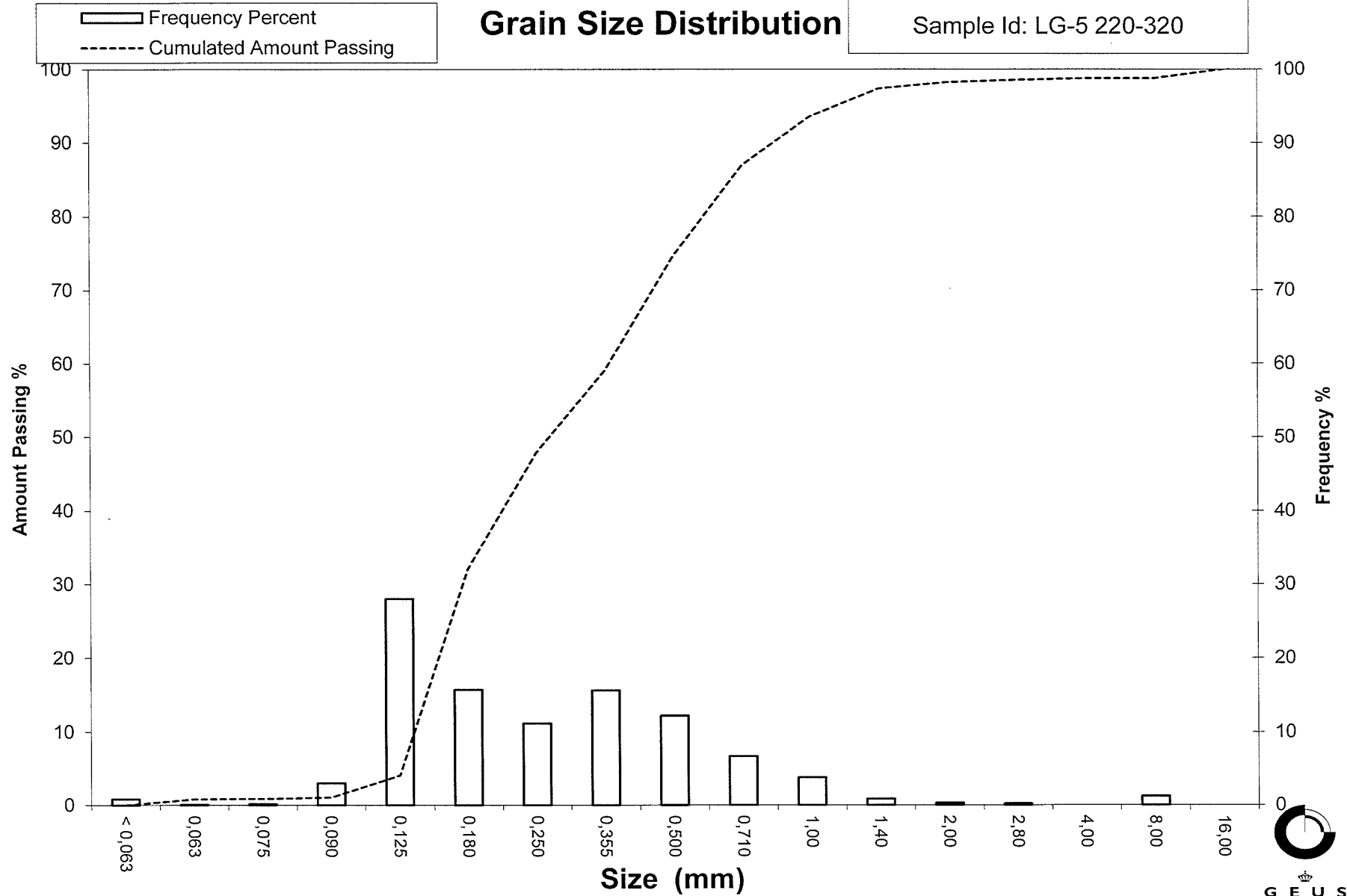
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

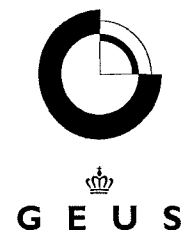
Sample Id: LG-5 220-320



Grain Size Distribution

Geotechnical

Sample Id: LG-12 90-150
Lab. Id: 150177
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks: >32 mm (294 g) indgår i >16mm



Total Weight 2295,53 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	546,12	23,79	76,21
	8,00	-3,00	373,79	16,28	59,93
	4,00	-2,00	230,47	10,04	49,89
	2,80	-1,49	88,87	3,87	46,01
	2,00	-1,00	56,43	2,46	43,56
	1,40	-0,49	37,45	1,63	41,92
	1,00	0,00	38,34	1,67	40,25
	0,710	0,49	24,92	1,09	39,17
	0,500	1,00	43,58	1,90	37,27
	0,355	1,49	111,73	4,87	32,40
	0,250	2,00	339,25	14,78	17,62
	0,180	2,47	269,17	11,73	5,90
	0,125	3,00	76,28	3,32	2,58
	0,090	3,47	15,76	0,69	1,89
	0,075	3,74	4,34	0,19	1,70
	0,063	3,99	3,58	0,16	1,54
	< 0,063	> 3,99	35,45	1,54	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,54
Sand, fine (0,063 mm - 0,200 mm):	7,70
Sand, medium (0,2 mm - 0,6 mm):	28,93
Sand, coarse (0,6 mm - 2 mm):	5,38
Gravel (> 2 mm):	56,44
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	-----	-----
16%	84%	-----	-----
25%	75%	15,41	-3,95
40%	60%	8,04	-3,01
Median 50%	50%	4,05	-2,02
75%	25%	0,30	1,73
84%	16%	0,24	2,06
90%	10%	0,20	2,29
95%	5%	0,17	2,60

Moments Statistics

Mean	0,02
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	39,30

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

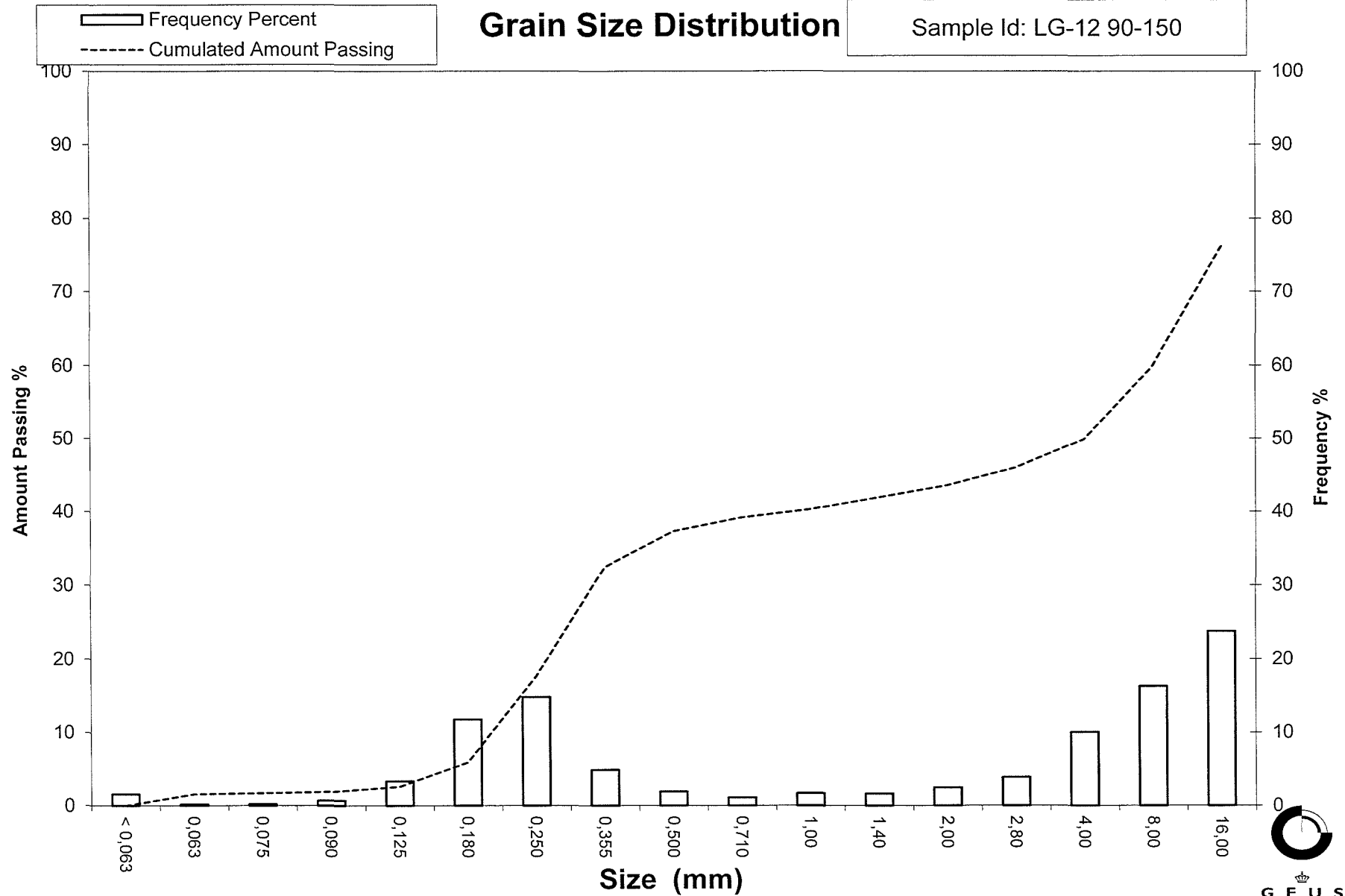
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

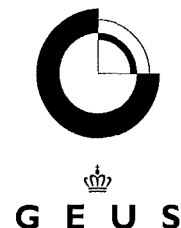
Sample Id: LG-12 90-150



Grain Size Distribution

Geotechnical

Sample Id: LG-15 100-350
Lab. Id: 150178
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 161,06 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,25	0,16	99,84
	2,80	-1,49	0,03	0,02	99,83
	2,00	-1,00	0,30	0,19	99,64
	1,40	-0,49	0,49	0,30	99,34
	1,00	0,00	0,97	0,60	98,73
	0,710	0,49	1,87	1,16	97,57
	0,500	1,00	5,94	3,69	93,88
	0,355	1,49	13,24	8,22	85,66
	0,250	2,00	32,65	20,27	65,39
	0,180	2,47	57,45	35,67	29,72
	0,125	3,00	41,82	25,97	3,76
	0,090	3,47	4,18	2,60	1,16
	0,075	3,74	0,32	0,20	0,96
	0,063	3,99	0,10	0,06	0,90
	< 0,063	> 3,99	1,45	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):	39,01
Sand, medium (0,2 mm - 0,6 mm):	55,73
Sand, coarse (0,6 mm - 2 mm):	4,00
Gravel (> 2 mm):	0,36
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,56	0,83
16%	84%	0,35	1,53
25%	75%	0,30	1,74
40%	60%	0,24	2,06
Median 50%	50%	0,22	2,19
75%	25%	0,17	2,56
84%	16%	0,15	2,73
90%	10%	0,14	2,85
95%	5%	0,13	2,97

Moments Statistics

Mean	2,15
Sorting	0,62
Skewness	-0,18
Kurtosis	1,07
Uniformity Coefficient	1,73

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

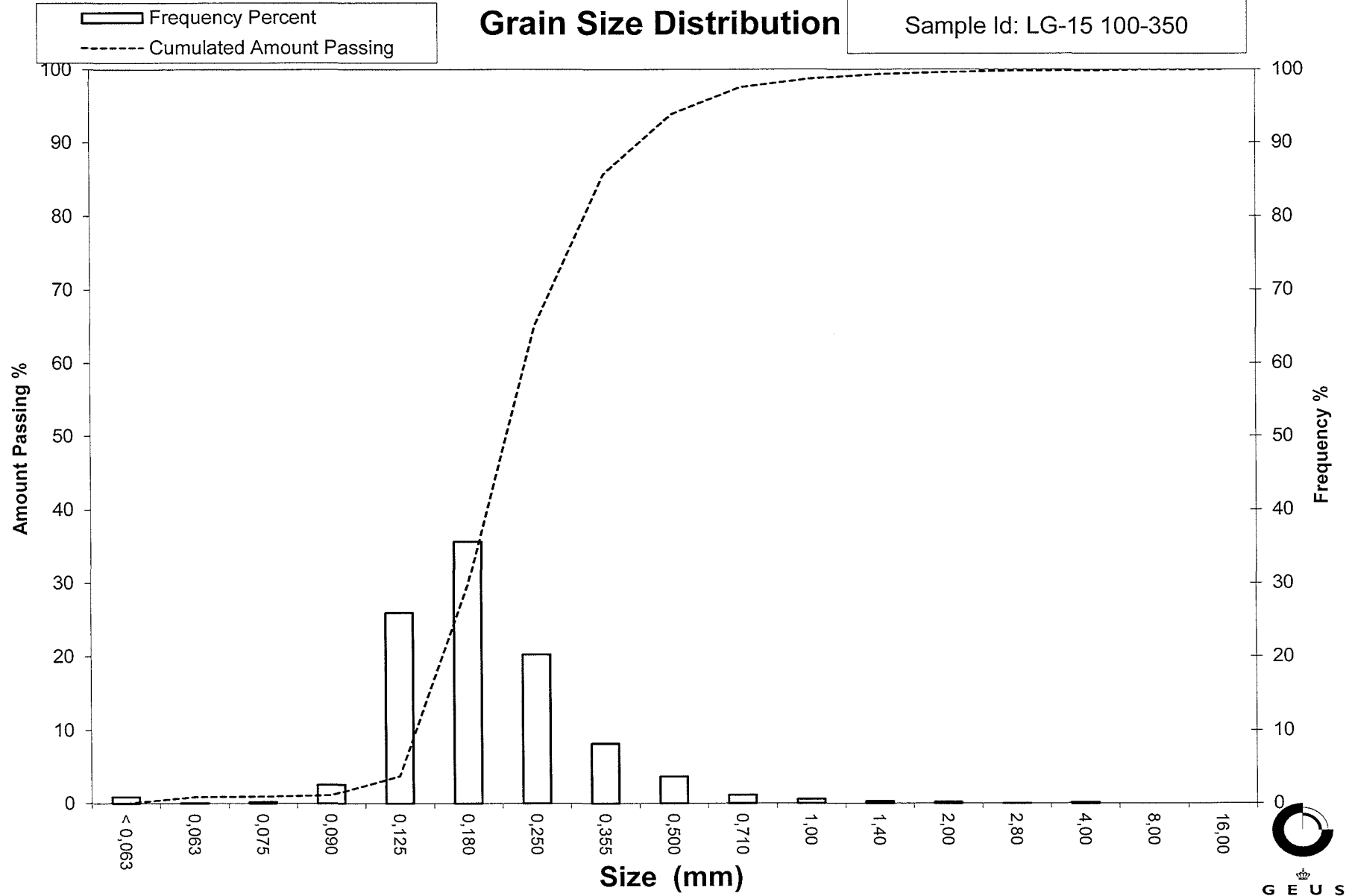
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

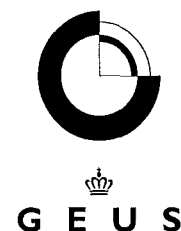
Sample Id: LG-15 100-350



Grain Size Distribution

Geotechnical

Sample Id: MF-2 50-150
Lab. Id: 150179
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 154,7 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	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	0,06	99,94
	2,00	-1,00	0,20	0,13	99,81
	1,40	-0,49	0,36	0,23	99,57
	1,00	0,00	1,13	0,73	98,84
	0,710	0,49	1,72	1,11	97,73
	0,500	1,00	5,34	3,45	94,28
	0,355	1,49	15,14	9,79	84,49
	0,250	2,00	45,05	29,12	55,37
	0,180	2,47	42,98	27,78	27,59
	0,125	3,00	22,86	14,78	12,81
	0,090	3,47	8,06	5,21	7,60
	0,075	3,74	1,59	1,03	6,57
	0,063	3,99	0,99	0,64	5,93
	< 0,063	> 3,99	9,18	5,93	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,93
Sand, fine (0,063 mm - 0,200 mm):	29,59
Sand, medium (0,2 mm - 0,6 mm):	60,40
Sand, coarse (0,6 mm - 2 mm):	3,88
Gravel (> 2 mm):	0,19
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,54	0,88
16%	84%	0,35	1,50
25%	75%	0,32	1,64
40%	60%	0,27	1,91
Median 50%	50%	0,24	2,08
75%	25%	0,17	2,55
84%	16%	0,14	2,87
90%	10%	0,11	3,24
95%	5%	-----	-----

Moments Statistics

Mean	2,15
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	2,51

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

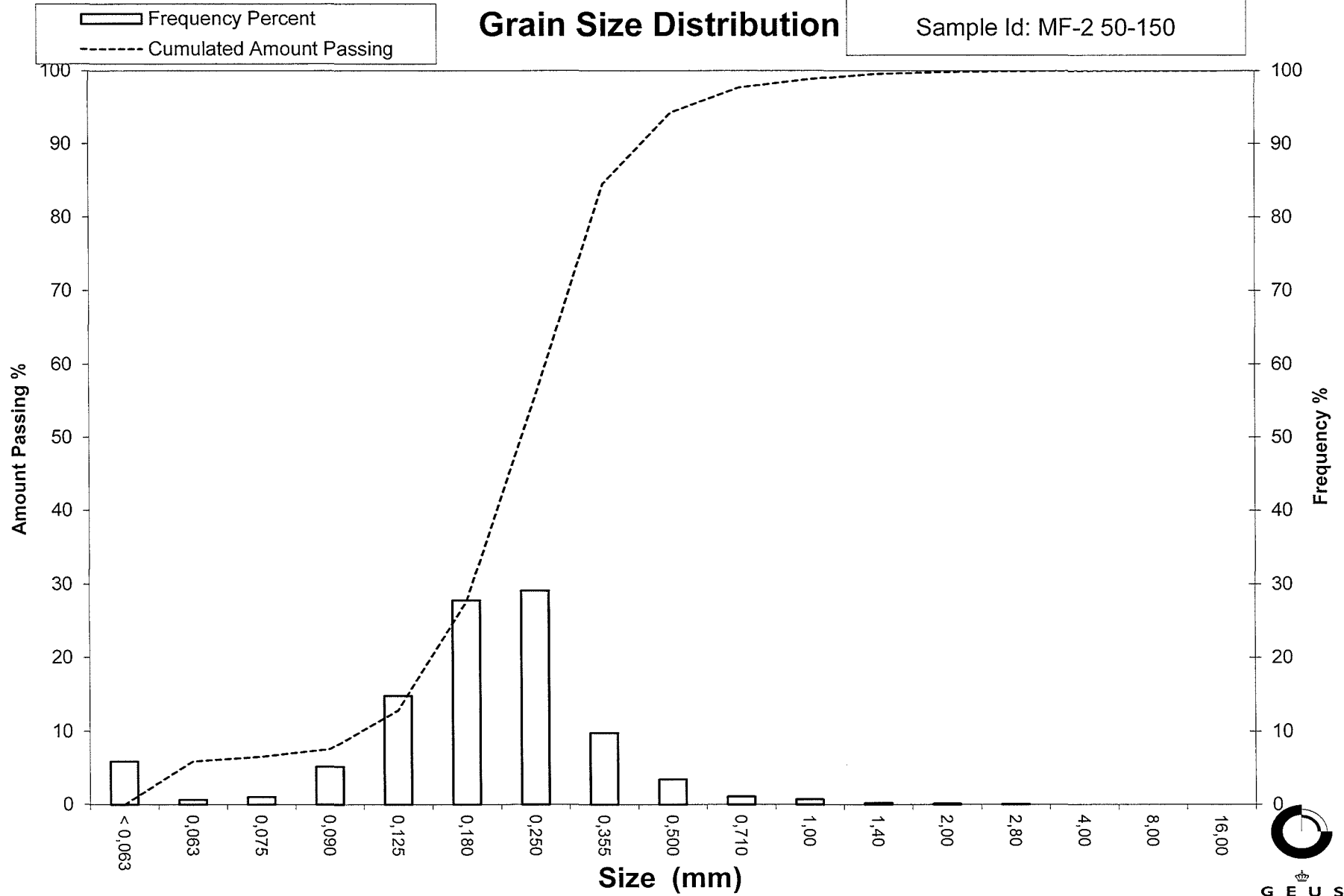
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

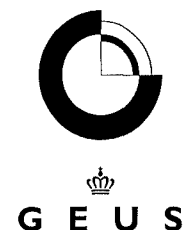
Sample Id: MF-2 50-150



Grain Size Distribution

Geotechnical

Sample Id: MF-3 0-50
Lab. Id: 150180
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 156,11 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,31	0,20	99,80
	4,00	-2,00	0,40	0,26	99,55
	2,80	-1,49	0,66	0,42	99,12
	2,00	-1,00	0,43	0,28	98,85
	1,40	-0,49	0,25	0,16	98,69
	1,00	0,00	0,65	0,42	98,27
	0,710	0,49	0,98	0,63	97,64
	0,500	1,00	4,24	2,72	94,93
	0,355	1,49	14,23	9,12	85,81
	0,250	2,00	25,99	16,65	69,16
	0,180	2,47	38,85	24,89	44,28
	0,125	3,00	46,57	29,83	14,44
	0,090	3,47	10,16	6,51	7,94
	0,075	3,74	1,38	0,88	7,05
	0,063	3,99	0,97	0,62	6,43
	< 0,063	> 3,99	10,04	6,43	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	6,43
Sand, fine (0,063 mm - 0,200 mm):	44,96
Sand, medium (0,2 mm - 0,6 mm):	44,83
Sand, coarse (0,6 mm - 2 mm):	2,63
Gravel (> 2 mm):	1,15
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,51	0,98
16%	84%	0,34	1,54
25%	75%	0,29	1,80
40%	60%	0,22	2,16
Median 50%	50%	0,20	2,35
75%	25%	0,14	2,79
84%	16%	0,13	2,97
90%	10%	0,10	3,31
95%	5%	-----	-----

Moments Statistics

Mean	2,29
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	2,22

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

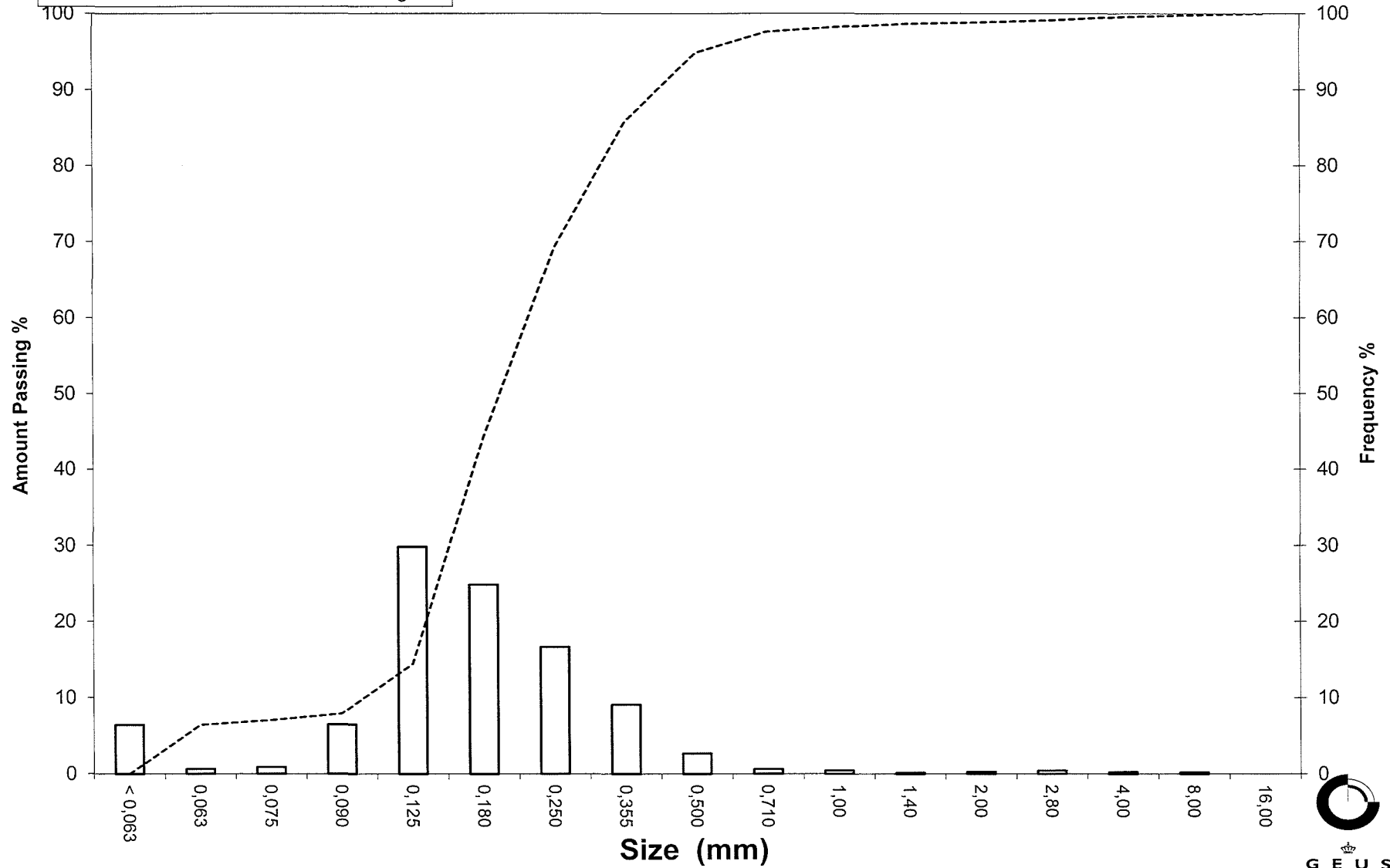
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

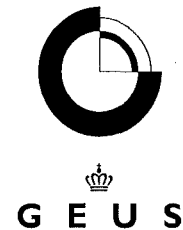
Sample Id: MF-3 0-50



Grain Size Distribution

Geotechnical

Sample Id: MF-3 70-110
Lab. Id: 150181
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 157,89 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	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	0,28	0,18	99,82
	1,40	-0,49	0,93	0,59	99,23
	1,00	0,00	1,87	1,18	98,05
	0,710	0,49	3,27	2,07	95,98
	0,500	1,00	24,80	15,71	80,27
	0,355	1,49	67,08	42,49	37,79
	0,250	2,00	43,49	27,54	10,24
	0,180	2,47	8,22	5,21	5,04
	0,125	3,00	3,08	1,95	3,08
	0,090	3,47	0,85	0,54	2,55
	0,075	3,74	0,16	0,10	2,44
	0,063	3,99	0,09	0,06	2,39
	< 0,063	> 3,99	3,77	2,39	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,39
Sand, fine (0,063 mm - 0,200 mm):	4,13
Sand, medium (0,2 mm - 0,6 mm):	81,23
Sand, coarse (0,6 mm - 2 mm):	12,07
Gravel (> 2 mm):	0,18
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,70	0,52
16%	84%	0,55	0,86
25%	75%	0,48	1,05
40%	60%	0,43	1,21
Median 50%	50%	0,40	1,33
75%	25%	0,31	1,71
84%	16%	0,27	1,88
90%	10%	0,25	2,02
95%	5%	0,18	2,48

Moments Statistics

Mean	1,36
Sorting	0,55
Skewness	0,12
Kurtosis	1,23
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 $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

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

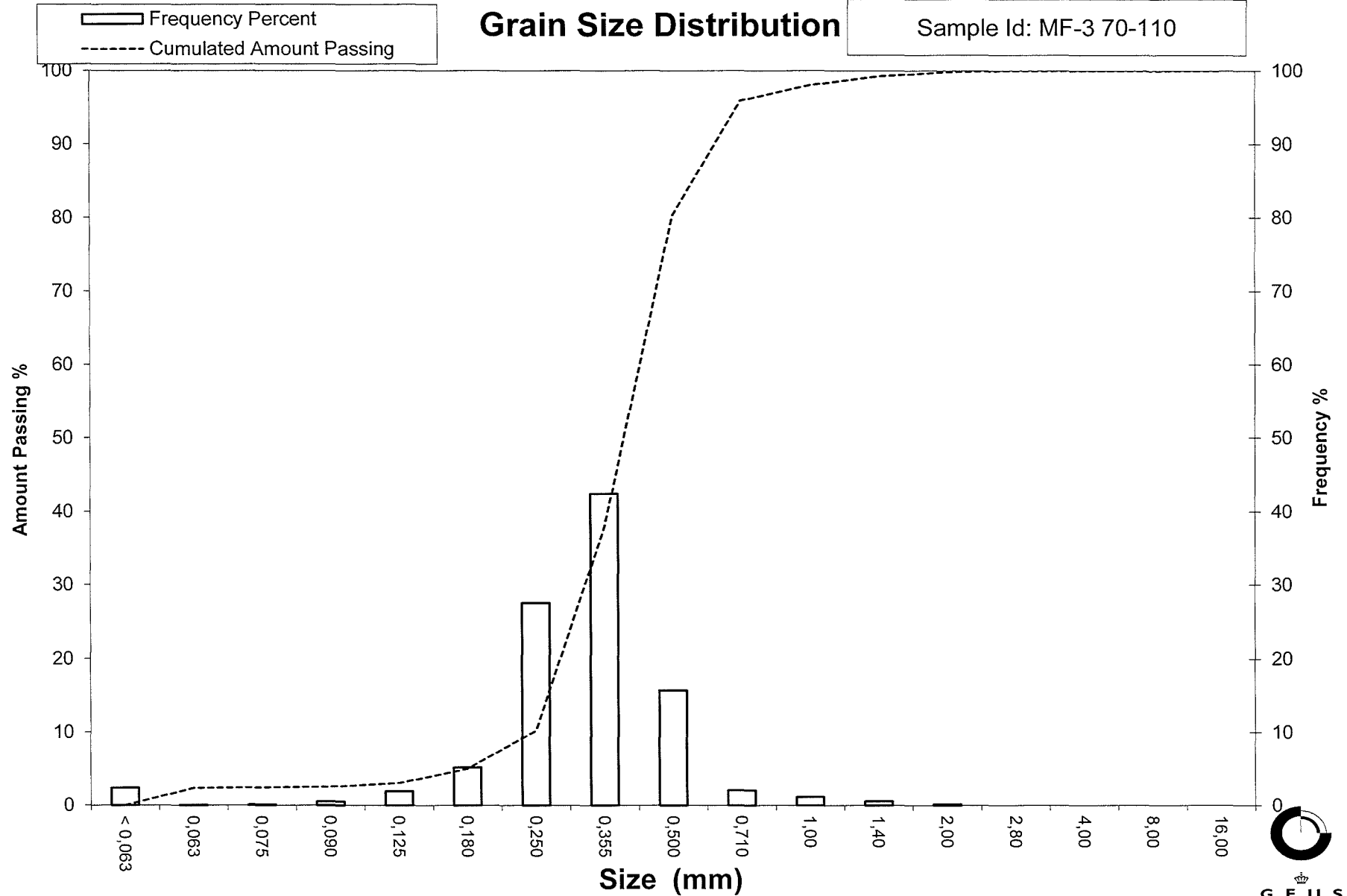
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

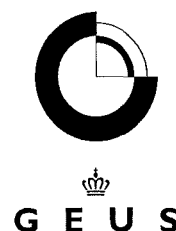
Sample Id: MF-3 70-110



Grain Size Distribution

Geotechnical

Sample Id: MF-3 130-160
Lab. Id: 150182
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 149,15 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,00	0,00	100,00
1,00	0,00	0,01	0,01	99,99
0,710	0,49	0,10	0,07	99,93
0,500	1,00	2,04	1,37	98,56
0,355	1,49	26,62	17,85	80,71
0,250	2,00	70,18	47,05	33,66
0,180	2,47	28,83	19,33	14,33
0,125	3,00	9,29	6,23	8,10
0,090	3,47	2,66	1,78	6,32
0,075	3,74	0,57	0,38	5,93
0,063	3,99	0,38	0,25	5,68
< 0,063	> 3,99	8,47	5,68	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,68
Sand, fine (0,063 mm - 0,200 mm):	14,17
Sand, medium (0,2 mm - 0,6 mm):	79,36
Sand, coarse (0,6 mm - 2 mm):	0,79
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,47	1,09
16%	84%	0,38	1,39
25%	75%	0,34	1,55
40%	60%	0,31	1,70
Median 50%	50%	0,29	1,80
75%	25%	0,22	2,19
84%	16%	0,19	2,43
90%	10%	0,14	2,82
95%	5%	-----	-----

Moments Statistics

Mean	1,87
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	2,18

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

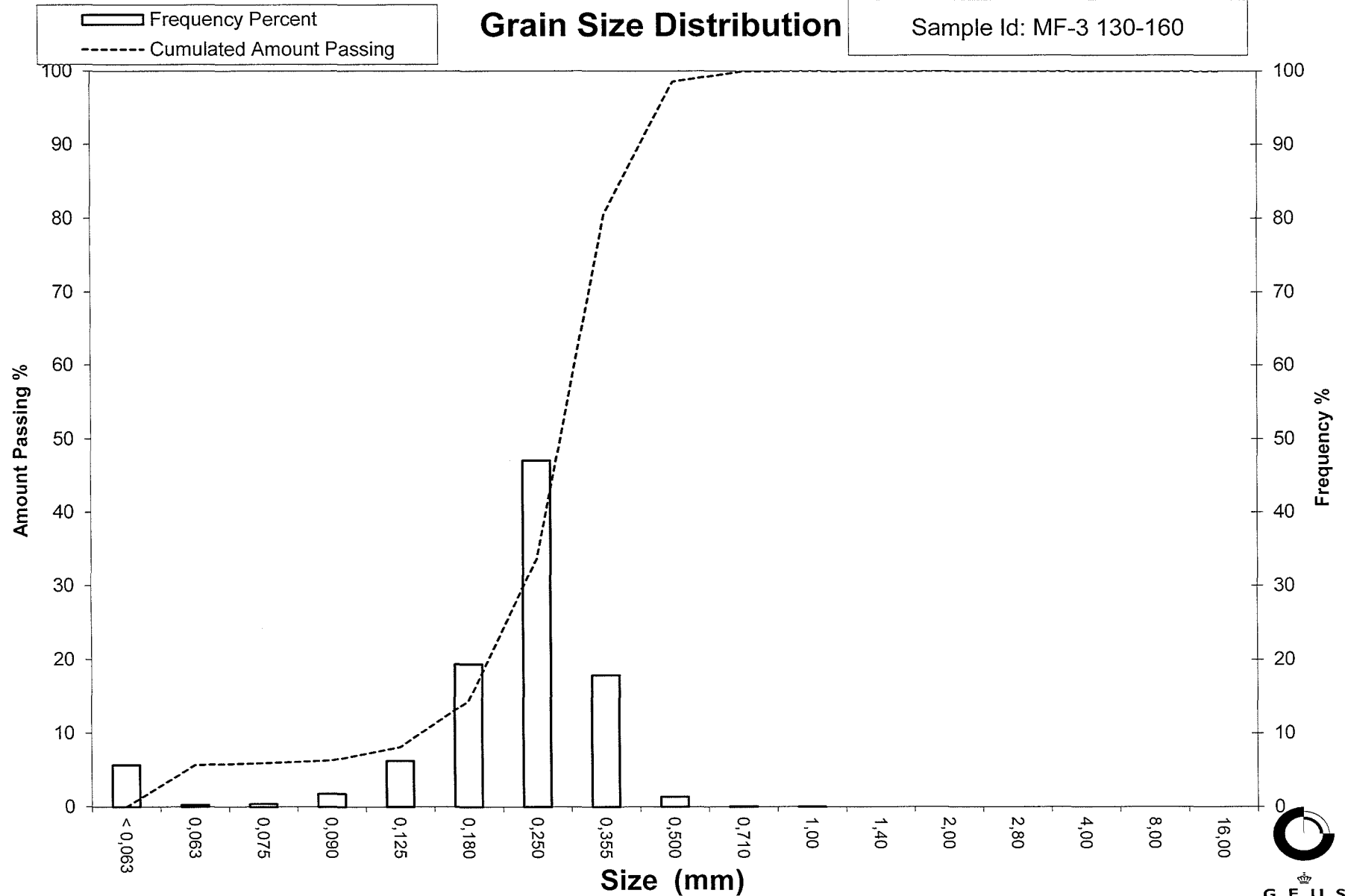
Kurtosis ($\phi_{95\%} - \phi_{5\%}$) / (2,44 * ($\phi_{75\%} - \phi_{25\%}$)) (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: MF-3 130-160



Grain Size Distribution

Geotechnical

Sample Id: MF-4 0-60
Lab. Id: 150183
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 149,94 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,00	0,00	100,00
	1,40	-0,49	0,04	0,03	99,97
	1,00	0,00	0,11	0,07	99,90
	0,710	0,49	0,33	0,22	99,68
	0,500	1,00	2,75	1,83	97,85
	0,355	1,49	24,67	16,45	81,39
	0,250	2,00	78,35	52,25	29,14
	0,180	2,47	28,70	19,14	10,00
	0,125	3,00	9,04	6,03	3,97
	0,090	3,47	1,67	1,11	2,85
	0,075	3,74	0,31	0,21	2,65
	0,063	3,99	0,19	0,13	2,52
	< 0,063	> 3,99	3,78	2,52	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,52
Sand, fine (0,063 mm - 0,200 mm):	12,95
Sand, medium (0,2 mm - 0,6 mm):	83,25
Sand, coarse (0,6 mm - 2 mm):	1,28
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,47	1,07
16%	84%	0,38	1,40
25%	75%	0,34	1,55
40%	60%	0,31	1,68
Median 50%	50%	0,29	1,78
75%	25%	0,23	2,09
84%	16%	0,20	2,31
90%	10%	0,18	2,47
95%	5%	0,13	2,90

Moments Statistics

Mean	1,83
Sorting	0,50
Skewness	0,20
Kurtosis	1,37
Uniformity Coefficient	1,73

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

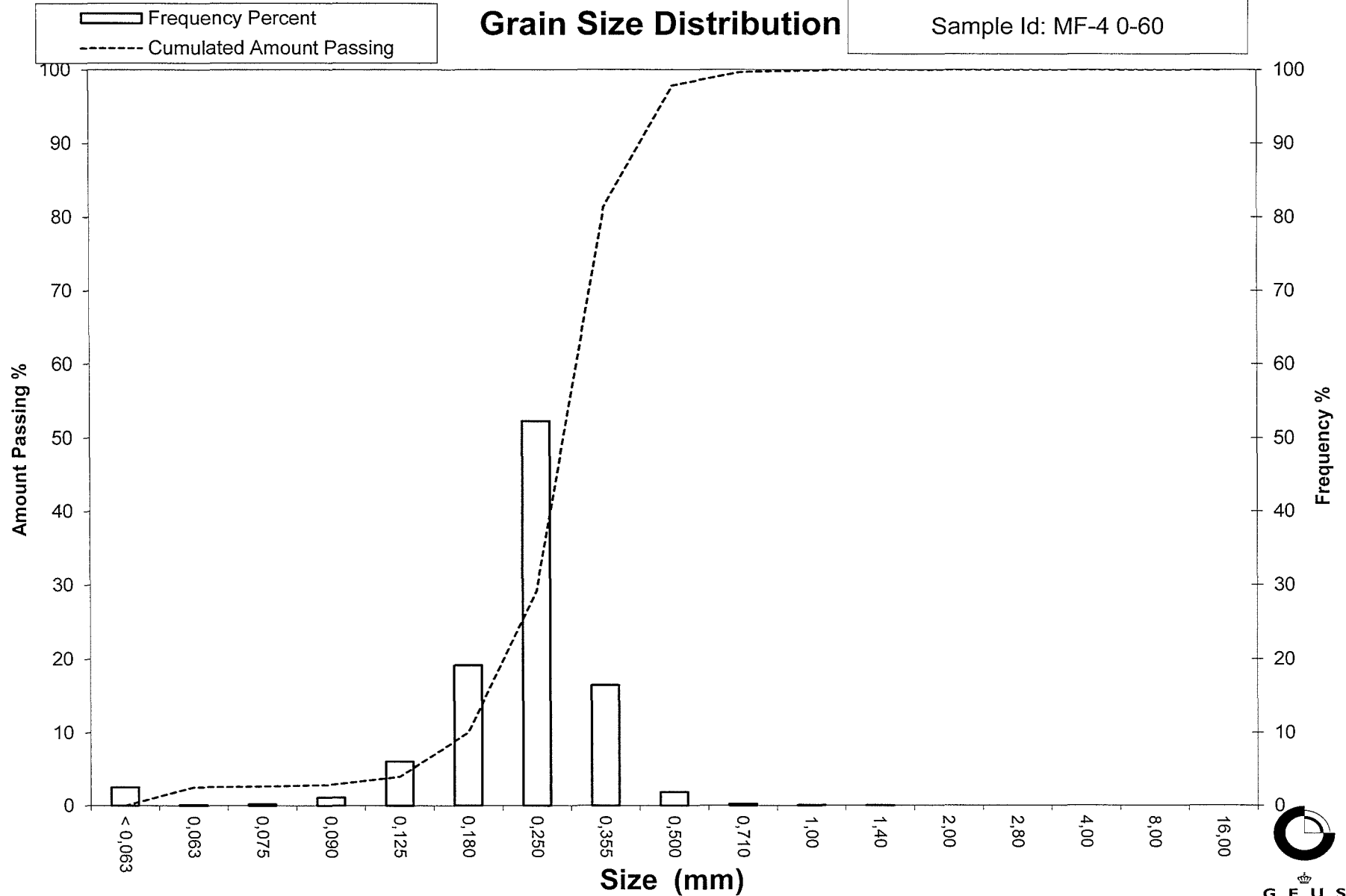
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

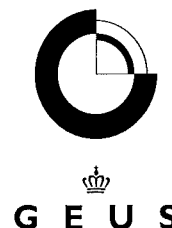
Sample Id: MF-4 0-60



Grain Size Distribution

Geotechnical

Sample Id: MF-5 0-100
Lab. Id: 150184
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 155,28 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,30	0,19	99,81
2,80	-1,49	0,00	0,00	99,81
2,00	-1,00	0,01	0,01	99,80
1,40	-0,49	0,04	0,03	99,77
1,00	0,00	0,05	0,03	99,74
0,710	0,49	0,50	0,32	99,42
0,500	1,00	6,14	3,95	95,47
0,355	1,49	28,05	18,06	77,40
0,250	2,00	52,85	34,04	43,37
0,180	2,47	42,81	27,57	15,80
0,125	3,00	17,29	11,13	4,66
0,090	3,47	3,30	2,13	2,54
0,075	3,74	0,71	0,46	2,08
0,063	3,99	0,69	0,44	1,64
< 0,063	> 3,99	2,54	1,64	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,64
Sand, fine (0,063 mm - 0,200 mm):	22,04
Sand, medium (0,2 mm - 0,6 mm):	73,67
Sand, coarse (0,6 mm - 2 mm):	2,45
Gravel (> 2 mm):	0,20
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,50	1,01
16%	84%	0,41	1,29
25%	75%	0,35	1,52
40%	60%	0,30	1,73
Median 50%	50%	0,27	1,89
75%	25%	0,20	2,30
84%	16%	0,18	2,47
90%	10%	0,15	2,72
95%	5%	0,13	2,98

Moments Statistics

Mean	1,88
Sorting	0,59
Skewness	0,05
Kurtosis	1,04
Uniformity Coefficient	1,99

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

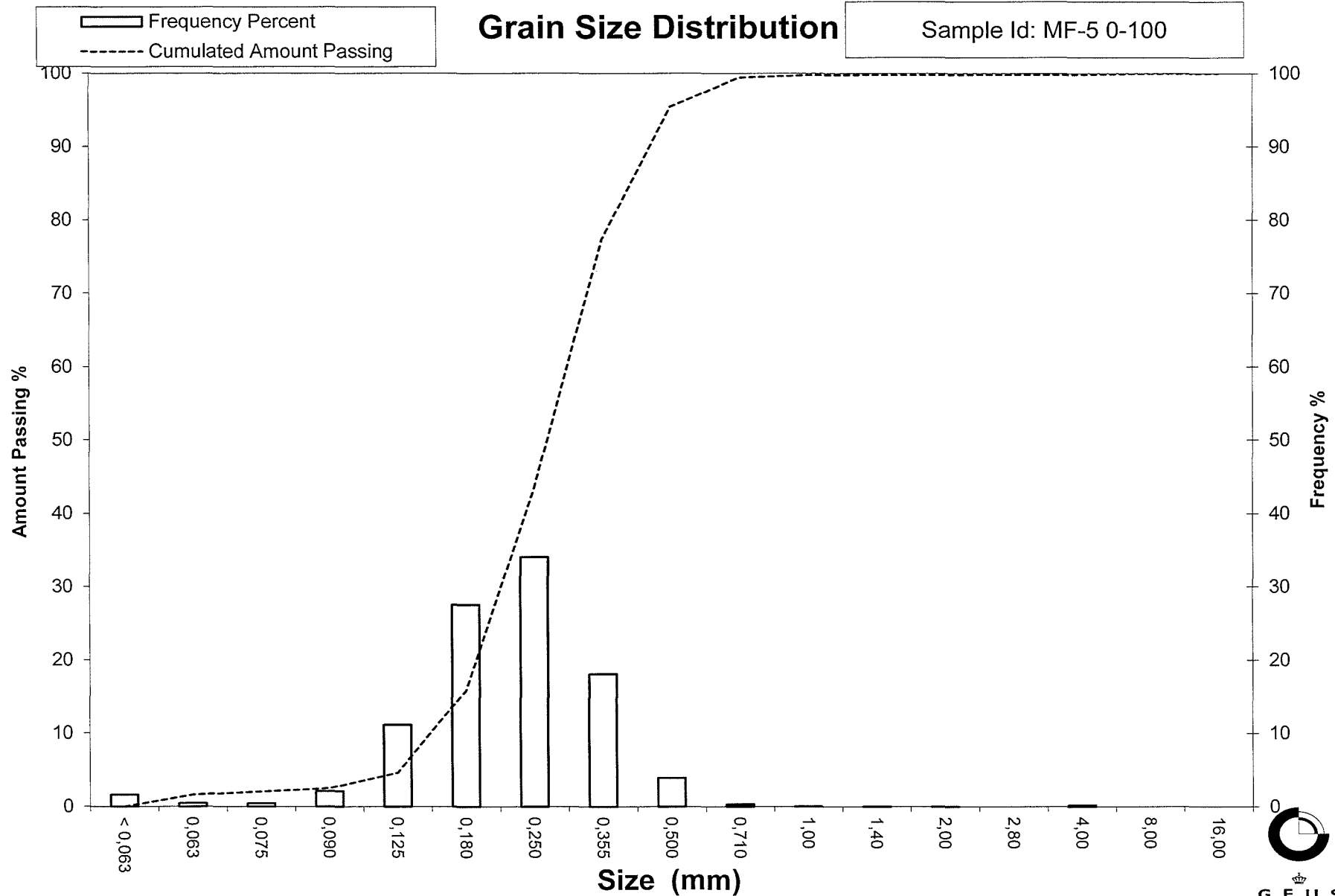
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

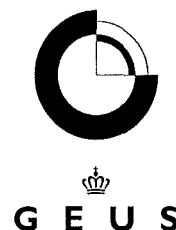
Sample Id: MF-5 0-100



Grain Size Distribution

Geotechnical

Sample Id: MF-6 0-38
Lab. Id: 150185
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks: >32mm (662 g) indgår i >16mm



Total Weight 1936,82 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	
Gravel	16,00	-4,00	864,51	44,64	55,36
	8,00	-3,00	175,18	9,04	46,32
	4,00	-2,00	81,51	4,21	42,11
	2,80	-1,49	48,17	2,49	39,62
	2,00	-1,00	42,24	2,18	37,44
	1,40	-0,49	47,14	2,43	35,01
	1,00	0,00	43,90	2,27	32,74
	0,710	0,49	46,76	2,41	30,33
	0,500	1,00	93,85	4,85	25,48
	0,355	1,49	169,45	8,75	16,73
Sand	0,250	2,00	171,59	8,86	7,87
	0,180	2,47	64,16	3,31	4,56
	0,125	3,00	30,36	1,57	2,99
	0,090	3,47	14,20	0,73	2,26
	0,075	3,74	5,29	0,27	1,99
	0,063	3,99	3,96	0,20	1,78
	< 0,063	> 3,99	34,55	1,78	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,78
Sand, fine (0,063 mm - 0,200 mm):	3,72
Sand, medium (0,2 mm - 0,6 mm):	22,28
Sand, coarse (0,6 mm - 2 mm):	9,65
Gravel (> 2 mm):	62,56
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	-----	-----
16%	84%	-----	-----
25%	75%	-----	-----
40%	60%	-----	-----
Median 50%	50%	11,26	-3,49
75%	25%	0,49	1,02
84%	16%	0,35	1,53
90%	10%	0,28	1,86
95%	5%	0,19	2,40

Moments Statistics

Mean	-0,98
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

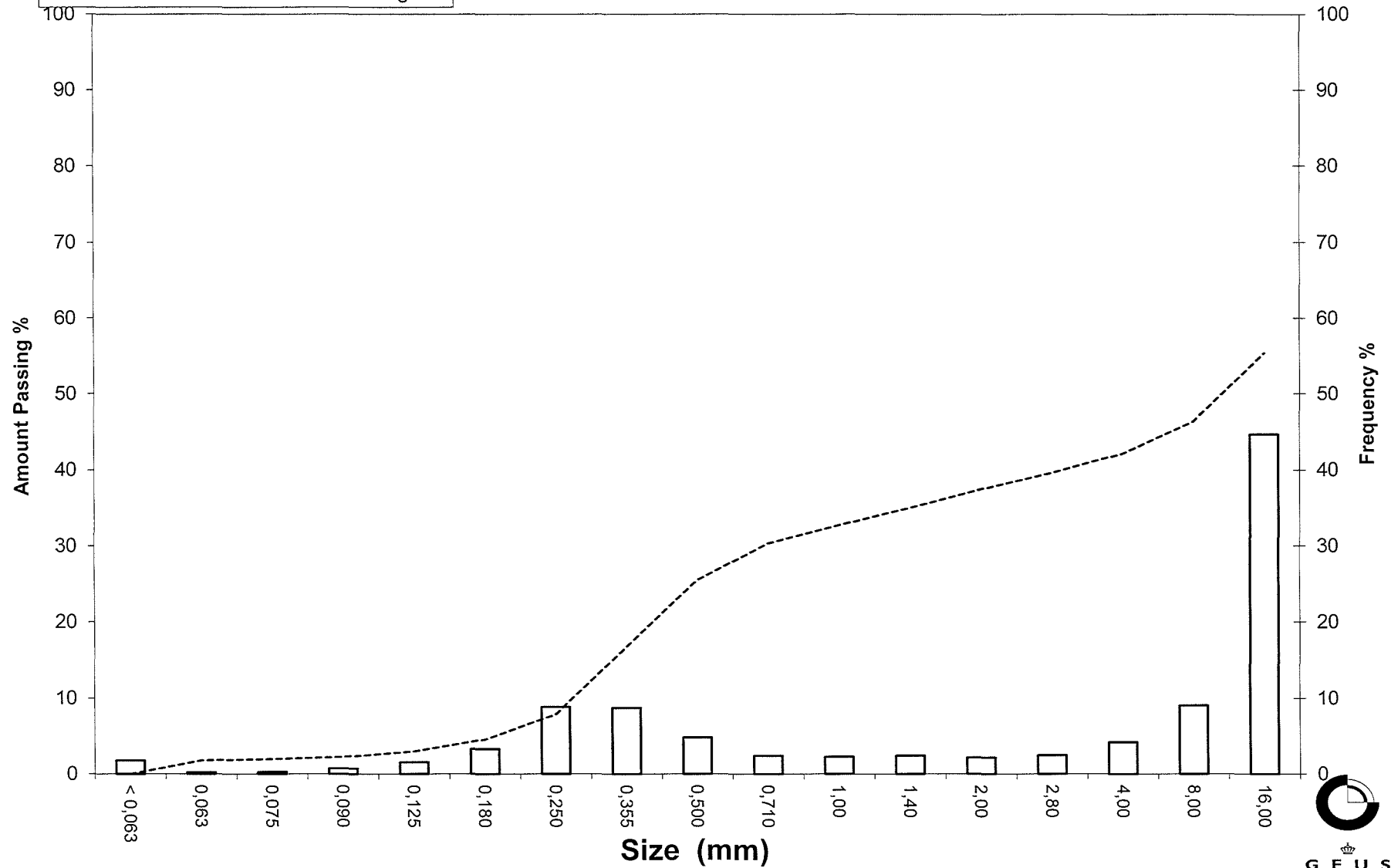
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

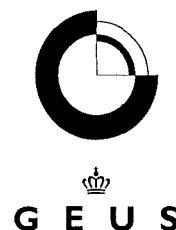
Sample Id: MF-6 0-38



Grain Size Distribution

Geotechnical

Sample Id: MF-8 80-120
Lab. Id: 150186
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 178,59 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	3,03	1,70	98,30
4,00	-2,00	2,93	1,64	96,66
2,80	-1,49	3,03	1,70	94,97
2,00	-1,00	3,36	1,88	93,08
1,40	-0,49	4,47	2,50	90,58
1,00	0,00	10,08	5,64	84,94
0,710	0,49	16,98	9,51	75,43
0,500	1,00	38,01	21,28	54,15
0,355	1,49	54,38	30,45	23,70
0,250	2,00	19,89	11,14	12,56
0,180	2,47	8,39	4,70	7,86
0,125	3,00	7,41	4,15	3,71
0,090	3,47	1,06	0,59	3,12
0,075	3,74	0,20	0,11	3,01
0,063	3,99	0,18	0,10	2,91
< 0,063	> 3,99	5,19	2,91	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,91
Sand, fine (0,063 mm - 0,200 mm):	6,30
Sand, medium (0,2 mm - 0,6 mm):	55,08
Sand, coarse (0,6 mm - 2 mm):	28,80
Gravel (> 2 mm):	6,92
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	2,82	-1,50
16%	84%	0,97	0,04
25%	75%	0,71	0,50
40%	60%	0,56	0,84
Median 50%	50%	0,48	1,06
75%	25%	0,36	1,47
84%	16%	0,28	1,82
90%	10%	0,21	2,24
95%	5%	0,14	2,82

Moments Statistics

Mean	0,97
Sorting	1,10
Skewness	-0,16
Kurtosis	1,83
Uniformity Coefficient	2,63

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

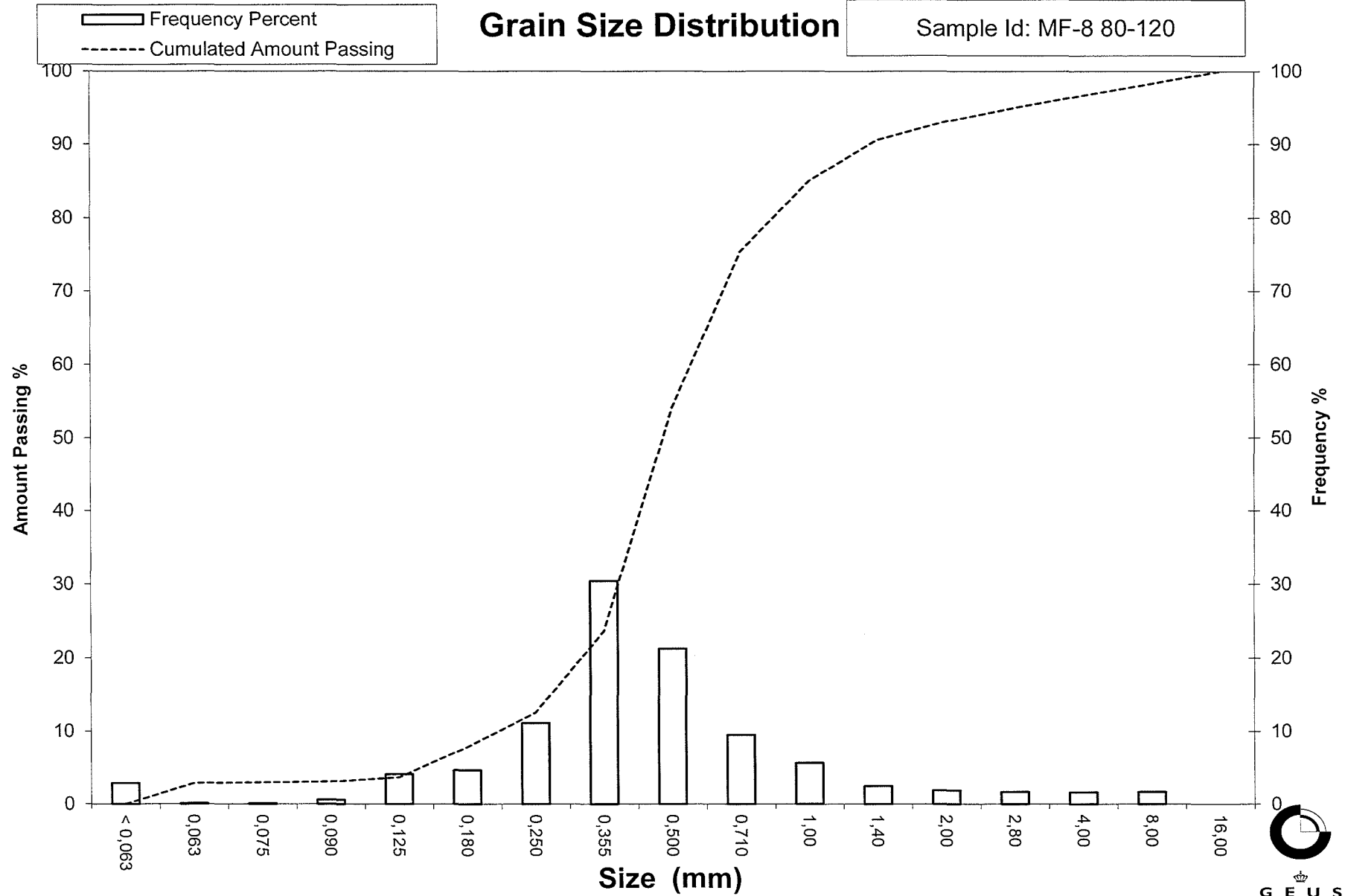
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

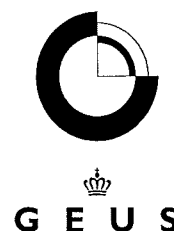
Sample Id: MF-8 80-120



Grain Size Distribution

Geotechnical

Sample Id: MF-8 140-240
Lab. Id: 150187
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 149,5 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,04	0,03	99,97
1,00	0,00	0,04	0,03	99,95
0,710	0,49	0,10	0,07	99,88
0,500	1,00	0,59	0,39	99,48
0,355	1,49	2,57	1,72	97,77
0,250	2,00	37,56	25,12	72,64
0,180	2,47	78,12	52,25	20,39
0,125	3,00	25,09	16,78	3,61
0,090	3,47	1,70	1,14	2,47
0,075	3,74	0,20	0,13	2,33
0,063	3,99	0,10	0,07	2,27
< 0,063	> 3,99	3,39	2,27	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,27
Sand, fine (0,063 mm - 0,200 mm):	33,05
Sand, medium (0,2 mm - 0,6 mm):	64,36
Sand, coarse (0,6 mm - 2 mm):	0,33
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,34	1,54
16%	84%	0,30	1,75
25%	75%	0,26	1,94
40%	60%	0,23	2,10
Median 50%	50%	0,22	2,19
75%	25%	0,19	2,43
84%	16%	0,17	2,59
90%	10%	0,15	2,78
95%	5%	0,13	2,95

Moments Statistics

Mean	2,18
Sorting	0,42
Skewness	0,02
Kurtosis	1,20
Uniformity Coefficient	1,60

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

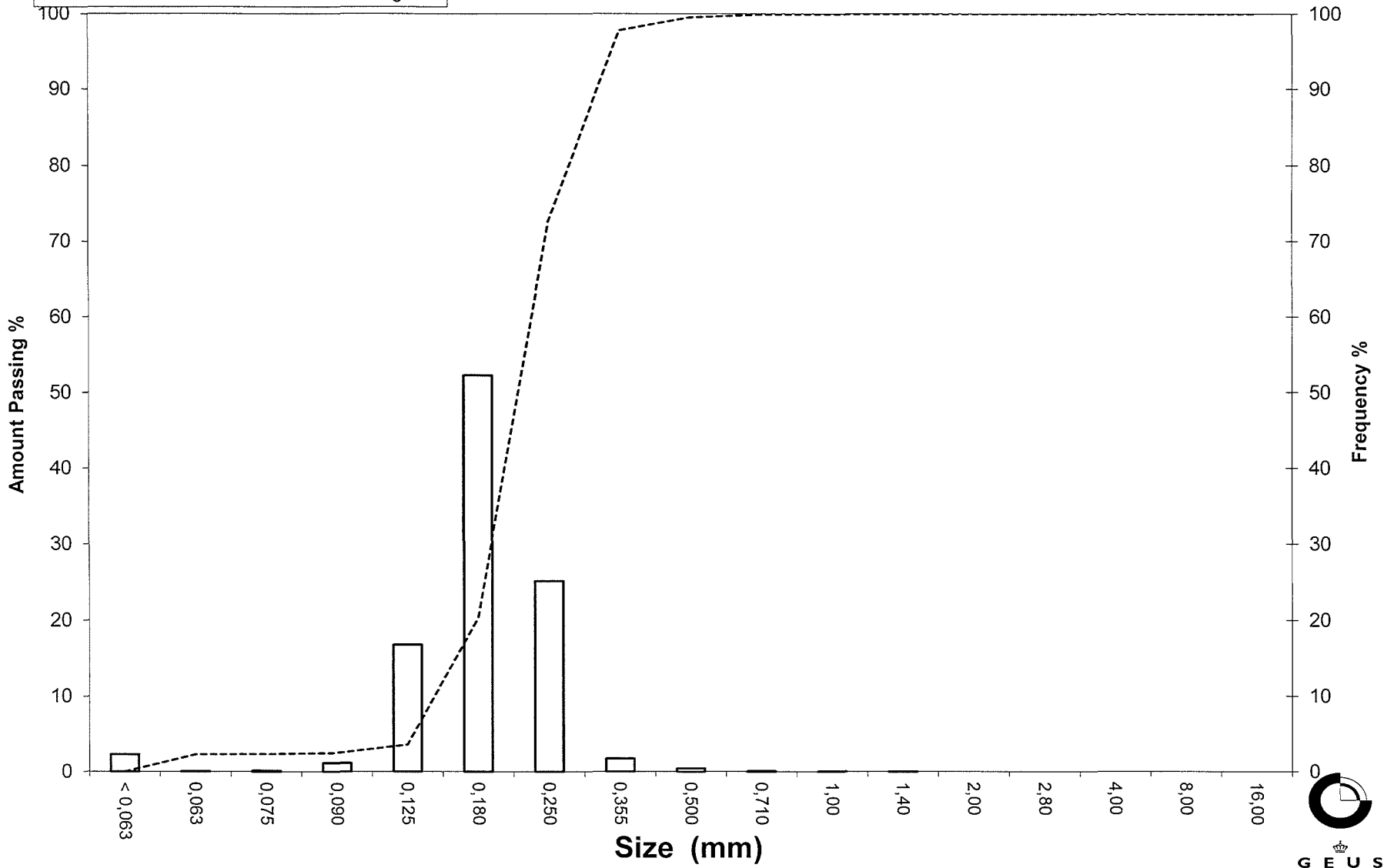
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: MF-8 140-240

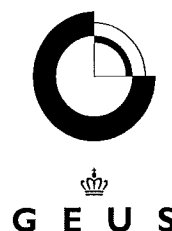
Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: MF-10 20-120
Lab. Id: 150188
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 138,82 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,24	0,17	99,83
2,80	-1,49	0,58	0,42	99,41
2,00	-1,00	0,51	0,37	99,04
1,40	-0,49	0,65	0,47	98,57
1,00	0,00	1,41	1,02	97,56
0,710	0,49	2,13	1,53	96,02
0,500	1,00	6,90	4,97	91,05
0,355	1,49	17,96	12,94	78,12
0,250	2,00	32,12	23,14	54,98
0,180	2,47	29,98	21,60	33,38
0,125	3,00	15,04	10,83	22,55
0,090	3,47	5,31	3,83	18,72
0,075	3,74	2,47	1,78	16,94
0,063	3,99	2,43	1,75	15,19
< 0,063	> 3,99	21,09	15,19	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	15,19
Sand, fine (0,063 mm - 0,200 mm):	24,36
Sand, medium (0,2 mm - 0,6 mm):	53,87
Sand, coarse (0,6 mm - 2 mm):	5,62
Gravel (> 2 mm):	0,96
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,67	0,58
16%	84%	0,42	1,25
25%	75%	0,34	1,55
40%	60%	0,27	1,87
Median 50%	50%	0,23	2,10
75%	25%	0,14	2,86
84%	16%	0,07	3,87
90%	10%	-----	-----
95%	5%	-----	-----

Moments Statistics

Mean	2,40
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

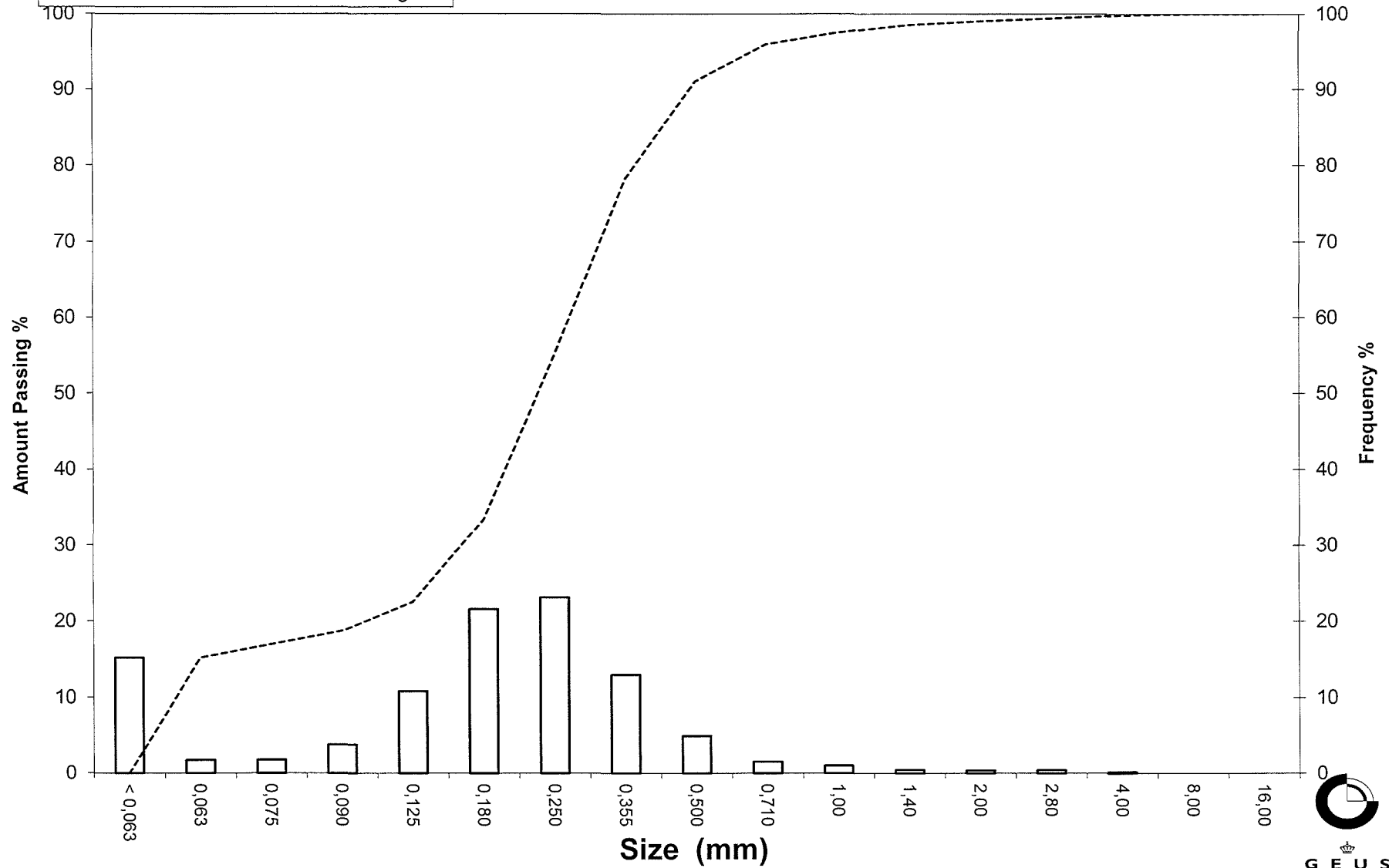
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: MF-10 20-120

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: MF-13 0-150
Lab. Id: 150189
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks: >32mm (373 g) indgår i >16mm



Total Weight 1834,64 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	612,31	33,37	66,63
8,00	-3,00	154,70	8,43	58,19
4,00	-2,00	124,68	6,80	51,40
2,80	-1,49	58,88	3,21	48,19
2,00	-1,00	46,56	2,54	45,65
1,40	-0,49	57,20	3,12	42,53
1,00	0,00	58,67	3,20	39,33
0,710	0,49	73,27	3,99	35,34
0,500	1,00	150,06	8,18	27,16
0,355	1,49	203,50	11,09	16,07
0,250	2,00	143,88	7,84	8,23
0,180	2,47	62,91	3,43	4,80
0,125	3,00	41,61	2,27	2,53
0,090	3,47	12,30	0,67	1,86
0,075	3,74	2,65	0,14	1,71
0,063	3,99	1,77	0,10	1,62
< 0,063	> 3,99	29,69	1,62	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,62
Sand, fine (0,063 mm - 0,200 mm):	4,16
Sand, medium (0,2 mm - 0,6 mm):	25,28
Sand, coarse (0,6 mm - 2 mm):	14,59
Gravel (> 2 mm):	54,35
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	-----	-----
16%	84%	-----	-----
25%	75%	-----	-----
40%	60%	9,71	-3,28
Median 50%	50%	3,48	-1,80
75%	25%	0,47	1,08
84%	16%	0,35	1,50
90%	10%	0,27	1,87
95%	5%	0,18	2,44

Moments Statistics

Mean	-0,15
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	35,49

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

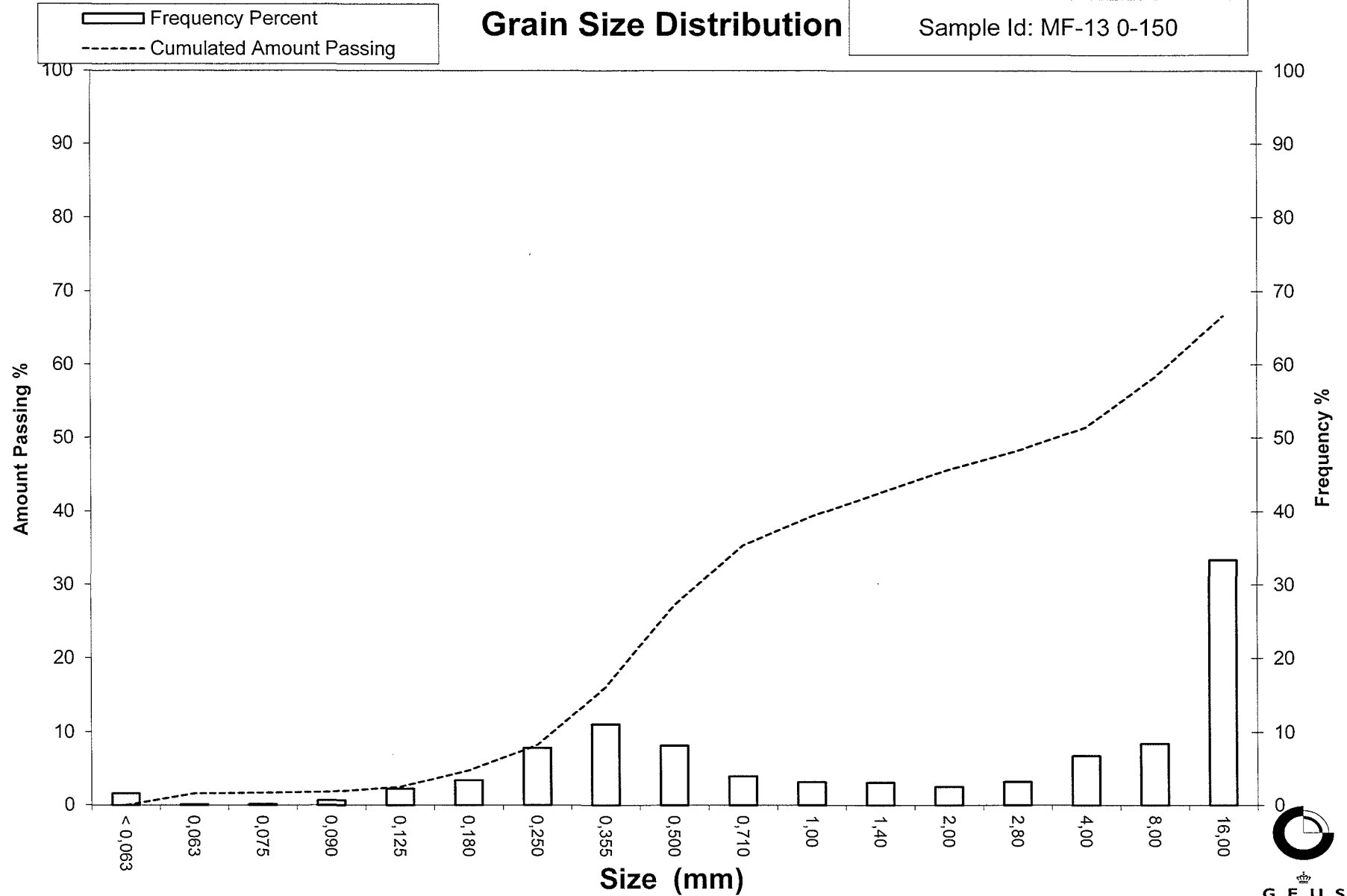
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

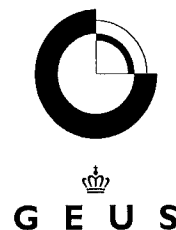
Sample Id: MF-13 0-150



Grain Size Distribution

Geotechnical

Sample Id: NB-2 50-100
Lab. Id: 150190
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CRL
Remarks:



Total Weight 1482,68 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	97,17	6,55	93,45
8,00	-3,00	122,49	8,26	85,18
4,00	-2,00	236,94	15,98	69,20
2,80	-1,49	160,81	10,85	58,36
2,00	-1,00	170,58	11,50	46,85
1,40	-0,49	166,74	11,25	35,61
1,00	0,00	150,43	10,15	25,46
0,710	0,49	73,98	4,99	20,47
0,500	1,00	68,61	4,63	15,84
0,355	1,49	84,43	5,69	10,15
0,250	2,00	72,01	4,86	5,29
0,180	2,47	26,27	1,77	3,52
0,125	3,00	10,94	0,74	2,78
0,090	3,47	4,49	0,30	2,48
0,075	3,74	1,48	0,10	2,38
0,063	3,99	1,18	0,08	2,30
< 0,063	> 3,99	34,13	2,30	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,30
Sand, fine (0,063 mm - 0,200 mm):	1,73
Sand, medium (0,2 mm - 0,6 mm):	14,02
Sand, coarse (0,6 mm - 2 mm):	28,81
Gravel (> 2 mm):	53,15
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	-----	-----
16%	84%	7,70	-2,95
25%	75%	5,45	-2,45
40%	60%	2,98	-1,58
Median 50%	50%	2,22	-1,15
75%	25%	0,97	0,04
84%	16%	0,51	0,98
90%	10%	0,35	1,51
95%	5%	0,24	2,07

Moments Statistics

Mean	-1,04
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	8,48

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

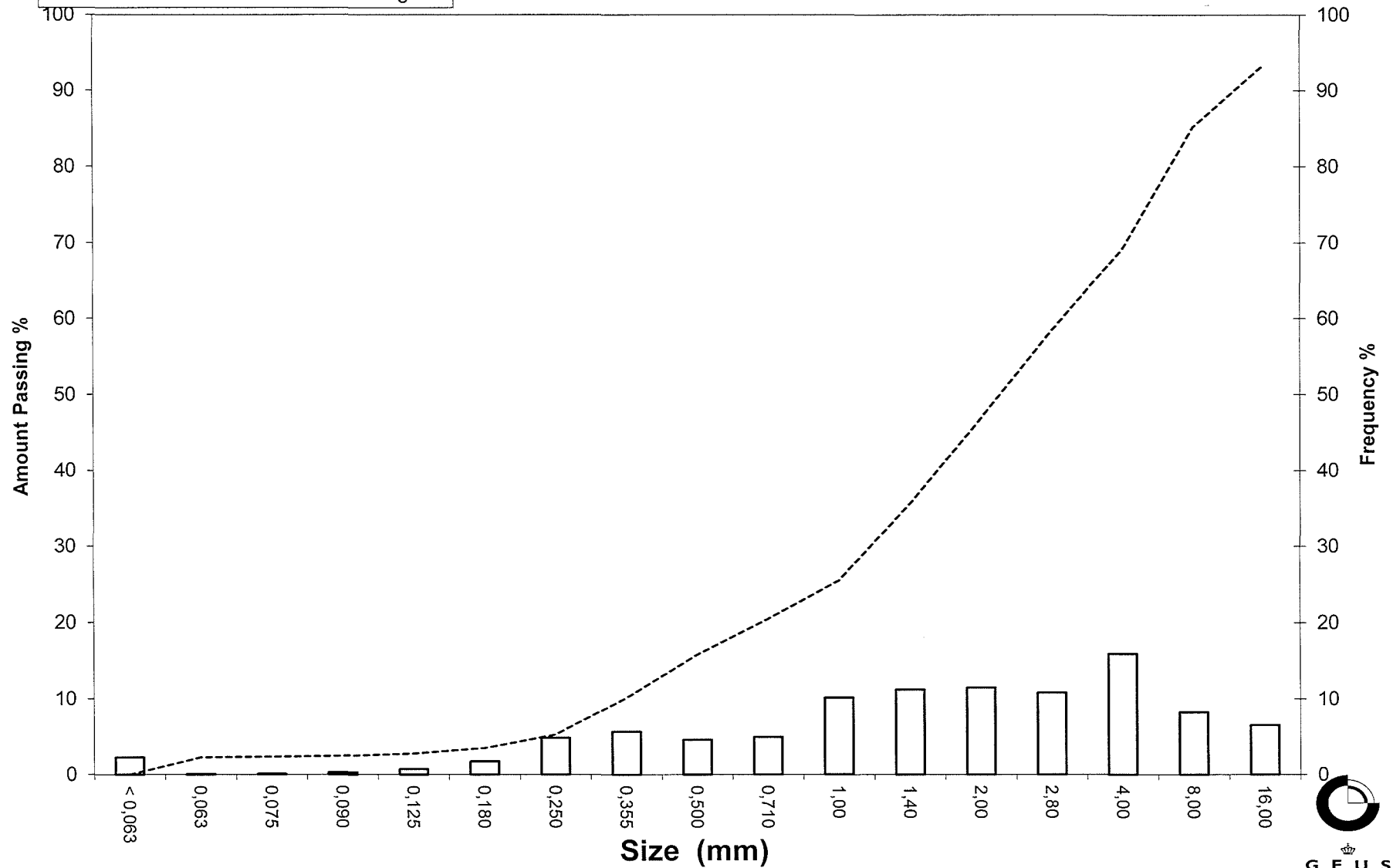
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: NB-2 50-100



Grain Size Distribution

Geotechnical

Sample Id: SNO-3 0-80
Lab. Id: 150191
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CLR
Remarks:



Total Weight 168,37 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	3,77	2,24	97,76
4,00	-2,00	4,26	2,53	95,23
2,80	-1,49	2,87	1,70	93,53
2,00	-1,00	3,31	1,97	91,56
1,40	-0,49	3,67	2,18	89,38
1,00	0,00	5,29	3,14	86,24
0,710	0,49	6,10	3,62	82,62
0,500	1,00	10,82	6,43	76,19
0,355	1,49	16,14	9,59	66,60
0,250	2,00	23,13	13,74	52,87
0,180	2,47	24,86	14,77	38,10
0,125	3,00	30,46	18,09	20,01
0,090	3,47	12,55	7,45	12,56
0,075	3,74	2,55	1,51	11,04
0,063	3,99	1,88	1,12	9,92
< 0,063	> 3,99	16,71	9,92	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	9,92
Sand, fine (0,063 mm - 0,200 mm):	32,39
Sand, medium (0,2 mm - 0,6 mm):	36,93
Sand, coarse (0,6 mm - 2 mm):	12,31
Gravel (> 2 mm):	8,44
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	3,84	-1,94
16%	84%	0,82	0,28
25%	75%	0,48	1,05
40%	60%	0,30	1,72
Median 50%	50%	0,24	2,08
75%	25%	0,14	2,83
84%	16%	0,11	3,24
90%	10%	0,06	3,97
95%	5%	-----	-----

Moments Statistics

Mean	1,87
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	4,77

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

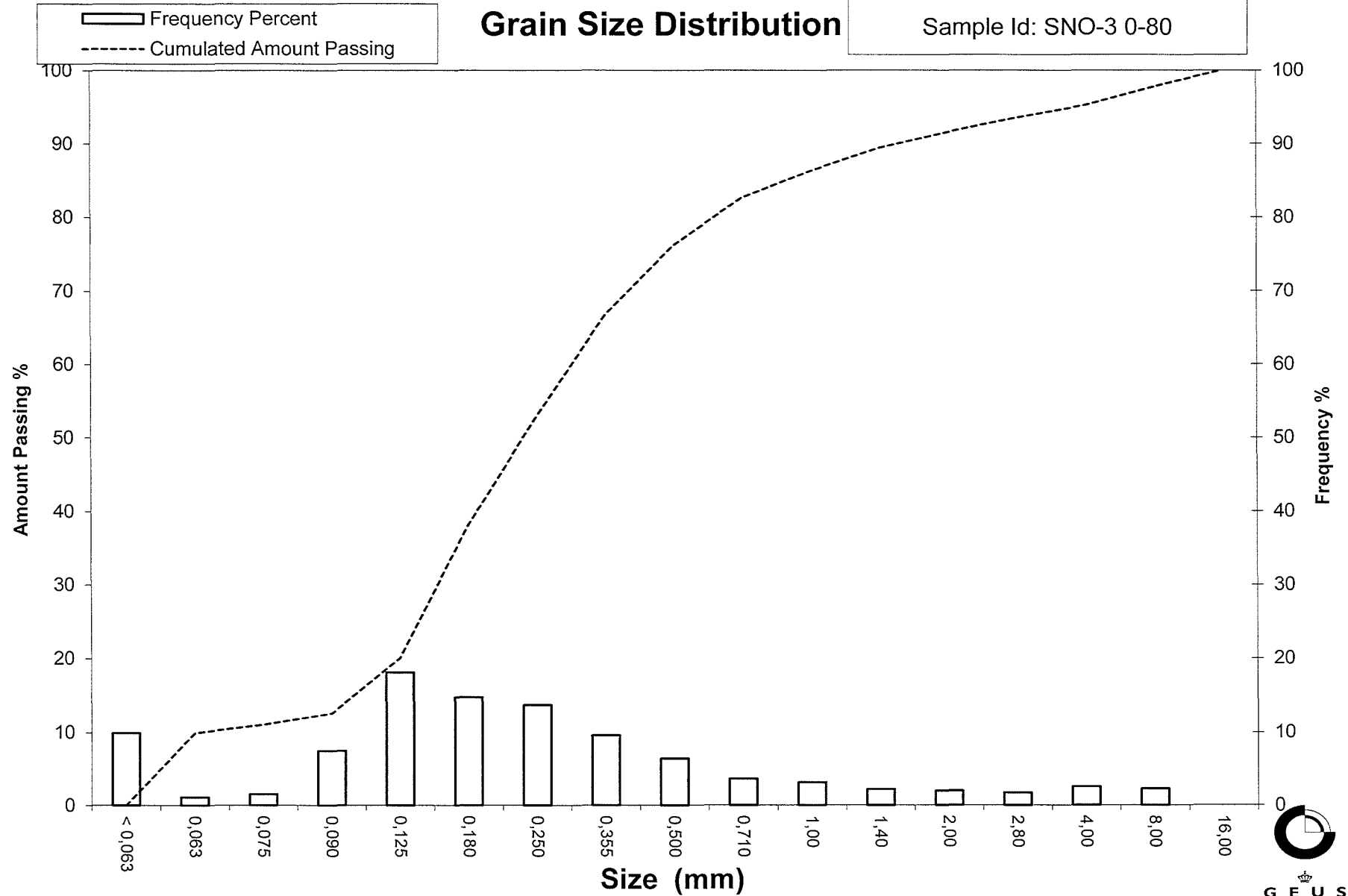
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

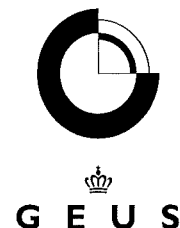
Sample Id: SNO-3 0-80



Grain Size Distribution

Geotechnical

Sample Id: SNO-4 0-150
Lab. Id: 150192
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 09-12-2015
Executed: PS/CLR
Remarks:



Total Weight 169,52 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	6,75	3,98	96,02
	4,00	-2,00	6,50	3,83	92,18
	2,80	-1,49	2,96	1,75	90,44
	2,00	-1,00	2,55	1,50	88,93
	1,40	-0,49	2,69	1,59	87,35
	1,00	0,00	4,06	2,39	84,95
	0,710	0,49	5,20	3,07	81,88
	0,500	1,00	10,65	6,28	75,60
	0,355	1,49	16,25	9,59	66,02
Sand	0,250	2,00	20,73	12,23	53,79
	0,180	2,47	24,22	14,29	39,50
	0,125	3,00	39,74	23,44	16,06
	0,090	3,47	11,51	6,79	9,27
	0,075	3,74	2,04	1,20	8,06
	0,063	3,99	1,44	0,85	7,21
	< 0,063	> 3,99	12,23	7,21	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	7,21
Sand, fine (0,063 mm - 0,200 mm):	36,37
Sand, medium (0,2 mm - 0,6 mm):	35,01
Sand, coarse (0,6 mm - 2 mm):	10,34
Gravel (> 2 mm):	11,07
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	6,94	-2,79
16%	84%	0,91	0,14
25%	75%	0,49	1,03
40%	60%	0,30	1,72
Median 50%	50%	0,23	2,11
75%	25%	0,15	2,78
84%	16%	0,12	3,00
90%	10%	0,09	3,41
95%	5%	-----	-----

Moments Statistics

Mean	1,75
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	3,23

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

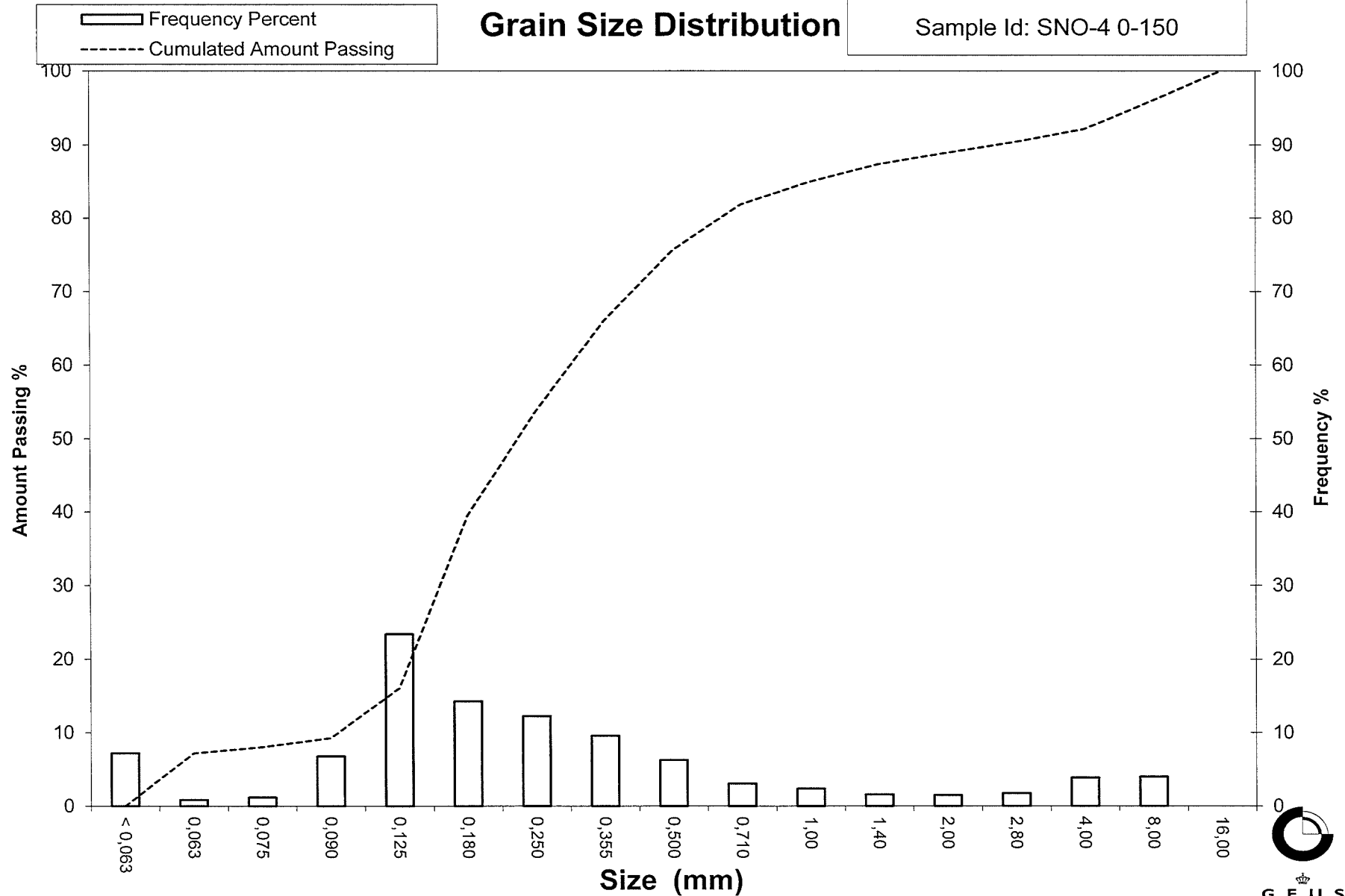
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

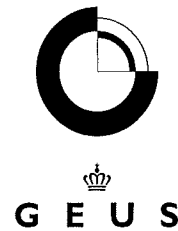
Sample Id: SNO-4 0-150



Grain Size Distribution

Geotechnical

Sample Id: SSY-1 0-100
Lab. Id: 150193
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CLR
Remarks:



Total Weight 167,02 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	3,70	2,22	97,78
2,80	-1,49	4,36	2,61	95,17
2,00	-1,00	3,96	2,37	92,80
1,40	-0,49	6,34	3,80	89,01
1,00	0,00	8,15	4,88	84,13
0,710	0,49	10,45	6,26	77,87
0,500	1,00	27,48	16,45	61,42
0,355	1,49	38,92	23,30	38,12
0,250	2,00	22,07	13,21	24,90
0,180	2,47	4,79	2,87	22,03
0,125	3,00	3,62	2,17	19,87
0,090	3,47	3,71	2,22	17,64
0,075	3,74	2,07	1,24	16,41
0,063	3,99	2,03	1,22	15,19
< 0,063	> 3,99	25,37	15,19	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	15,19
Sand, fine (0,063 mm - 0,200 mm):	7,66
Sand, medium (0,2 mm - 0,6 mm):	46,40
Sand, coarse (0,6 mm - 2 mm):	23,55
Gravel (> 2 mm):	7,20
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	2,74	-1,45
16%	84%	0,99	0,01
25%	75%	0,67	0,57
40%	60%	0,49	1,03
Median 50%	50%	0,43	1,22
75%	25%	0,25	2,00
84%	16%	0,07	3,82
90%	10%	-----	-----
95%	5%	-----	-----

Moments Statistics

Mean	1,68
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

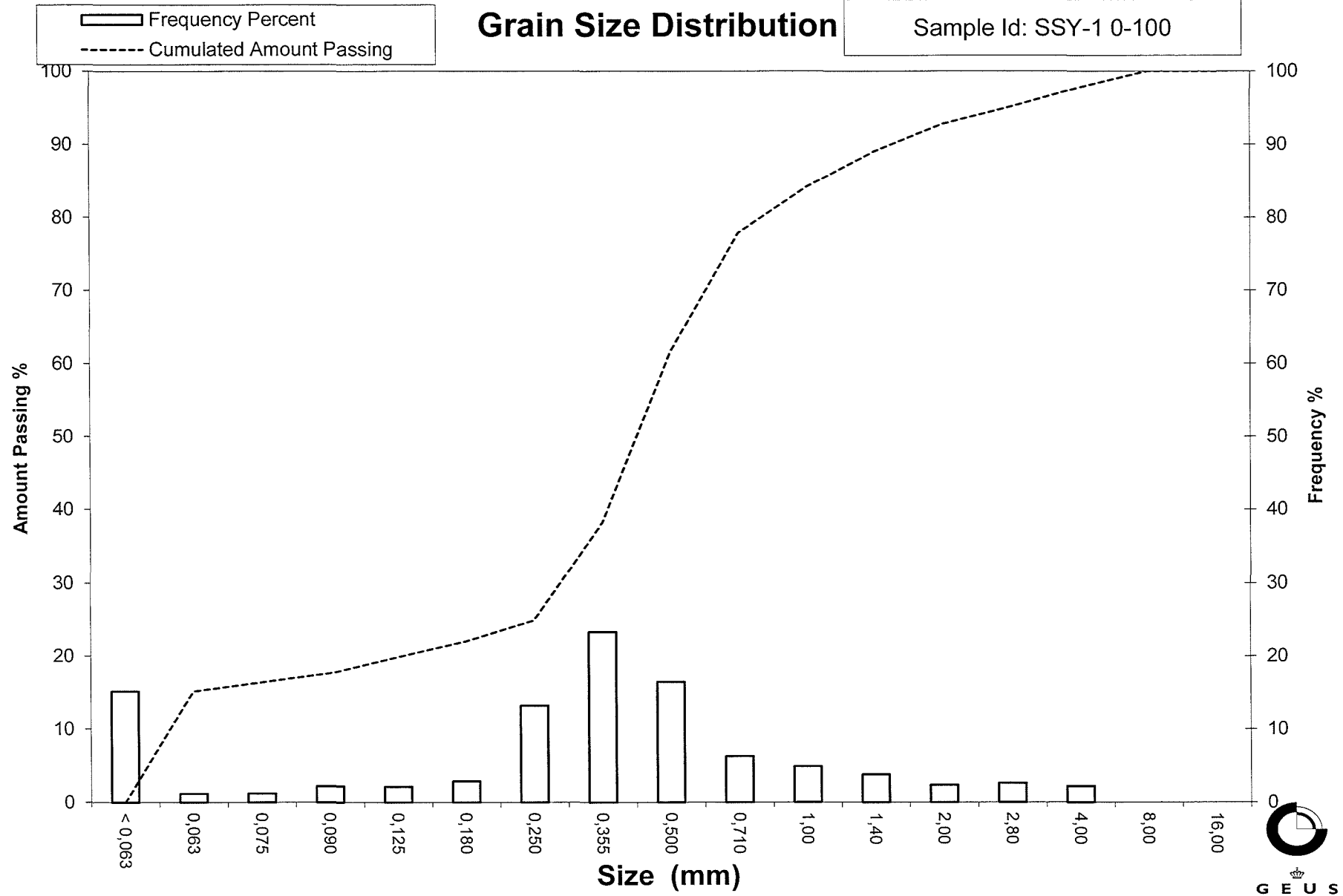
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: SSY-1 0-100



Grain Size Distribution

Geotechnical

Sample Id: SSY-1 200-280
Lab. Id: 150194
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 09-12-2015
Executed: PS/CLR
Remarks:



Total Weight 179,12 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Sieve Analysis	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,21	0,12	99,88
	4,00	-2,00	3,94	2,20	97,68
	2,80	-1,49	3,89	2,17	95,51
	2,00	-1,00	4,67	2,61	92,90
	1,40	-0,49	7,59	4,24	88,67
	1,00	0,00	11,59	6,47	82,20
	0,710	0,49	17,14	9,57	72,63
	0,500	1,00	35,04	19,56	53,06
	0,355	1,49	39,45	22,02	31,04
	0,250	2,00	31,70	17,70	13,34
	0,180	2,47	13,22	7,38	5,96
	0,125	3,00	5,38	3,00	2,96
	0,090	3,47	0,89	0,50	2,46
	0,075	3,74	0,23	0,13	2,33
	0,063	3,99	0,19	0,11	2,23
	< 0,063	> 3,99	3,99	2,23	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,23
Sand, fine (0,063 mm - 0,200 mm):	5,84
Sand, medium (0,2 mm - 0,6 mm):	54,31
Sand, coarse (0,6 mm - 2 mm):	30,52
Gravel (> 2 mm):	7,10
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	2,64	-1,40
16%	84%	1,11	-0,15
25%	75%	0,78	0,35
40%	60%	0,57	0,80
Median 50%	50%	0,48	1,06
75%	25%	0,32	1,65
84%	16%	0,27	1,91
90%	10%	0,22	2,20
95%	5%	0,16	2,62

Moments Statistics

Mean	0,94
Sorting	1,13
Skewness	-0,20
Kurtosis	1,28
Uniformity Coefficient	2,63

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

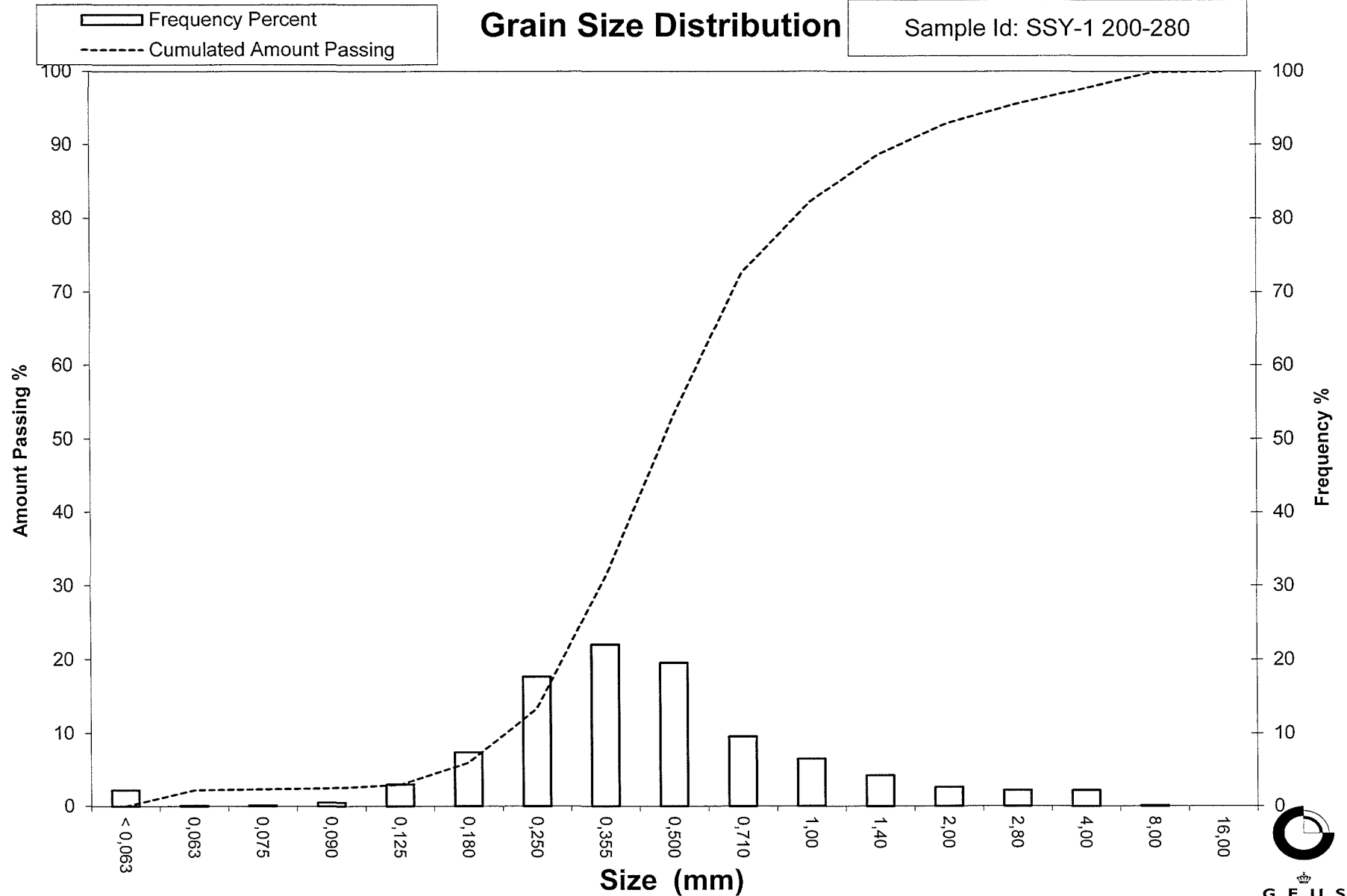
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

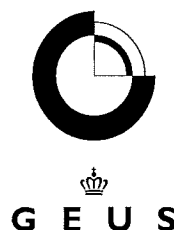
Sample Id: SSY-1 200-280



Grain Size Distribution

Geotechnical

Sample Id: SSY-5 400-500
Lab. Id: 150195
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 10-12-2015
Executed: PS/CRL
Remarks:



Total Weight 173,91 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,31	0,18	99,82
2,80	-1,49	0,13	0,07	99,75
2,00	-1,00	0,20	0,12	99,63
1,40	-0,49	0,15	0,09	99,55
1,00	0,00	0,46	0,26	99,28
0,710	0,49	0,52	0,30	98,98
0,500	1,00	1,53	0,88	98,10
0,355	1,49	13,36	7,68	90,42
0,250	2,00	88,70	51,00	39,42
0,180	2,47	45,25	26,02	13,40
0,125	3,00	11,10	6,38	7,02
0,090	3,47	2,05	1,18	5,84
0,075	3,74	0,66	0,38	5,46
0,063	3,99	0,61	0,35	5,11
< 0,063	> 3,99	8,88	5,11	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,11
Sand, fine (0,063 mm - 0,200 mm):	15,73
Sand, medium (0,2 mm - 0,6 mm):	77,69
Sand, coarse (0,6 mm - 2 mm):	1,11
Gravel (> 2 mm):	0,37
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,44	1,18
16%	84%	0,34	1,55
25%	75%	0,32	1,63
40%	60%	0,29	1,77
Median 50%	50%	0,27	1,88
75%	25%	0,21	2,24
84%	16%	0,19	2,42
90%	10%	0,15	2,73
95%	5%	-----	-----

Moments Statistics

Mean	1,95
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	1,94

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

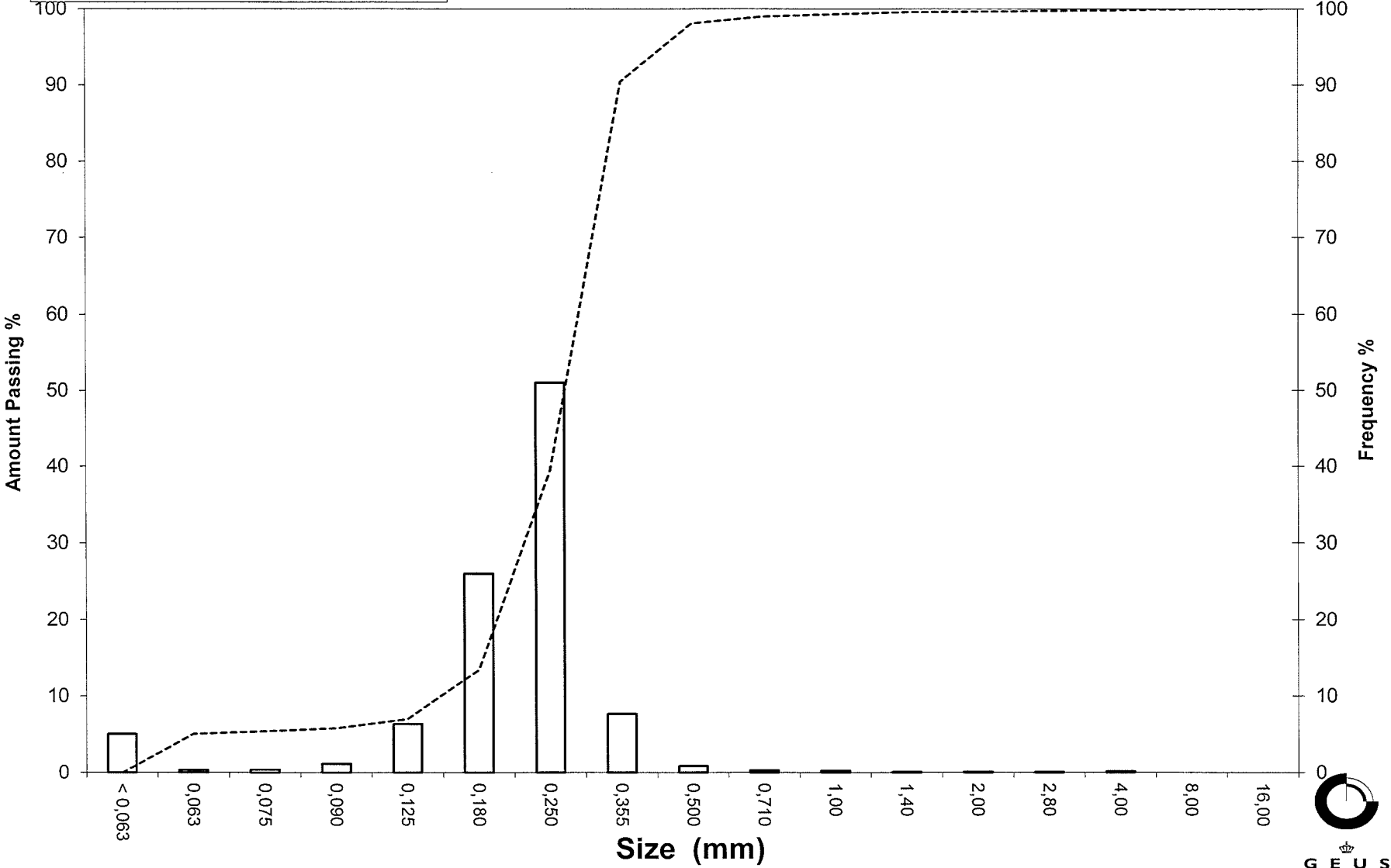
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: SSY-5 400-500

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: SSY-6a 0-50
Lab. Id: 150196
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 10-12-2015
Executed: PS/CRL
Remarks:



Total Weight 167,11 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,20	0,12	99,88
4,00	-2,00	0,14	0,08	99,80
2,80	-1,49	0,19	0,11	99,68
2,00	-1,00	0,53	0,32	99,37
1,40	-0,49	0,58	0,35	99,02
1,00	0,00	1,53	0,92	98,10
0,710	0,49	2,03	1,21	96,89
0,500	1,00	5,16	3,09	93,80
0,355	1,49	17,34	10,38	83,42
0,250	2,00	45,06	26,96	56,46
0,180	2,47	47,68	28,53	27,93
0,125	3,00	20,03	11,99	15,94
0,090	3,47	3,33	1,99	13,95
0,075	3,74	1,14	0,68	13,27
0,063	3,99	1,10	0,66	12,61
< 0,063	> 3,99	21,07	12,61	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	12,61
Sand, fine (0,063 mm - 0,200 mm):	23,47
Sand, medium (0,2 mm - 0,6 mm):	59,19
Sand, coarse (0,6 mm - 2 mm):	4,09
Gravel (> 2 mm):	0,63
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,58	0,78
16%	84%	0,36	1,46
25%	75%	0,32	1,63
40%	60%	0,26	1,92
Median 50%	50%	0,23	2,09
75%	25%	0,17	2,59
84%	16%	0,13	3,00
90%	10%	-----	-----
95%	5%	-----	-----

Moments Statistics

Mean	2,18
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

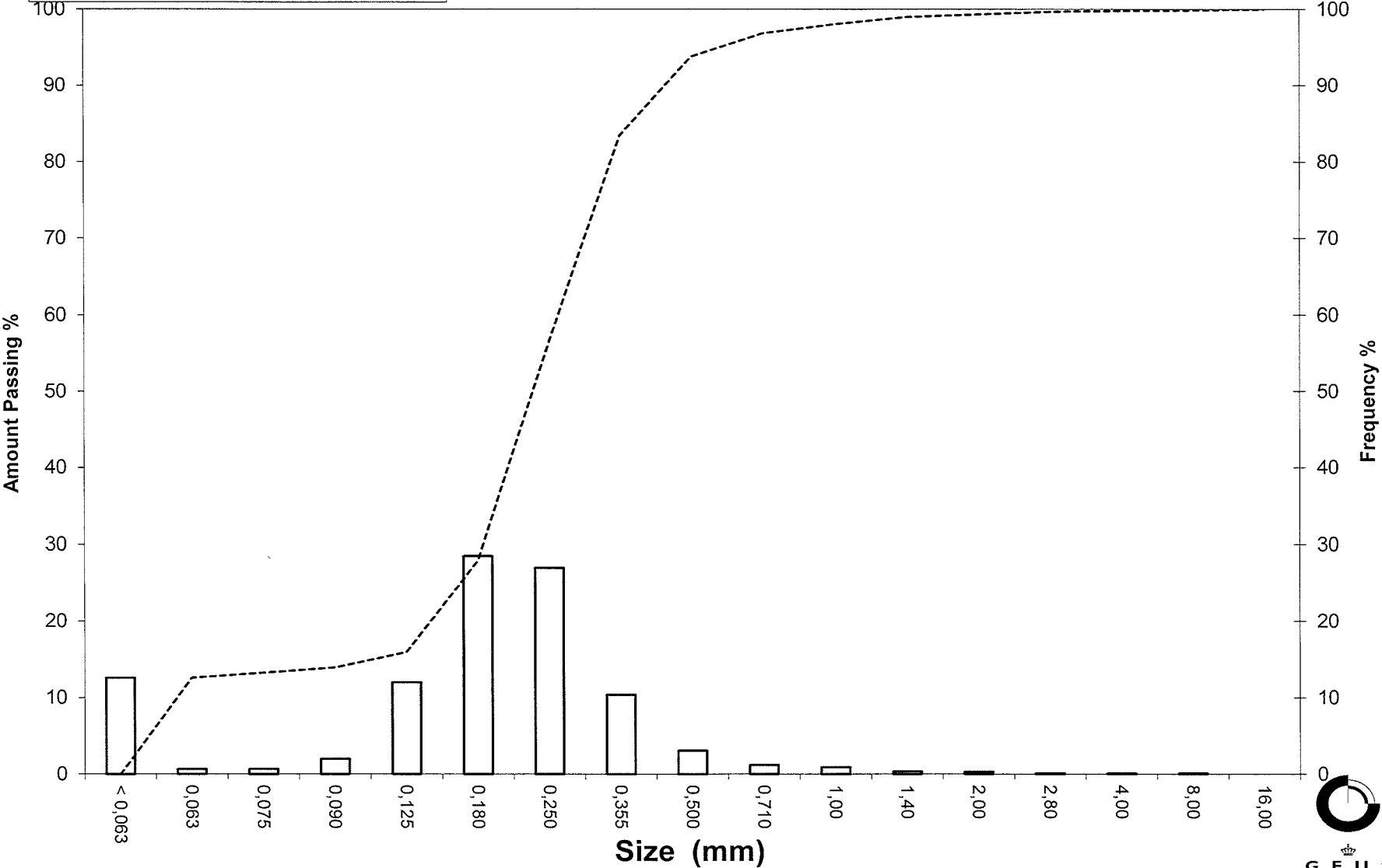
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

Grain Size Distribution

Sample Id: SSY-6a 0-50

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: SSY-6a 100-200
Lab. Id: 150197
Submitter: Steen Lomholt
Subject: Marin råstofkortlægning 2015
Date: 10-12-2015
Executed: PS/CRL
Remarks:



Total Weight 159,86 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,06	0,04	99,96
	1,40	-0,49	0,07	0,04	99,92
	1,00	0,00	0,06	0,04	99,88
	0,710	0,49	0,11	0,07	99,81
	0,500	1,00	0,88	0,55	99,26
	0,355	1,49	10,84	6,78	92,48
Sand	0,250	2,00	51,79	32,40	60,08
	0,180	2,47	63,63	39,80	20,28
	0,125	3,00	28,27	17,68	2,60
	0,090	3,47	1,15	0,72	1,88
	0,075	3,74	0,12	0,08	1,80
	0,063	3,99	0,07	0,04	1,76
	< 0,063	> 3,99	2,81	1,76	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,76
Sand, fine (0,063 mm - 0,200 mm):	29,89
Sand, medium (0,2 mm - 0,6 mm):	67,87
Sand, coarse (0,6 mm - 2 mm):	0,44
Gravel (> 2 mm):	0,04
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,41	1,29
16%	84%	0,33	1,61
25%	75%	0,30	1,74
40%	60%	0,25	2,00
Median 50%	50%	0,23	2,11
75%	25%	0,19	2,41
84%	16%	0,17	2,58
90%	10%	0,15	2,76
95%	5%	0,13	2,92

Moments Statistics

Mean	2,10
Sorting	0,49
Skewness	-0,01
Kurtosis	1,00
Uniformity Coefficient	1,69

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

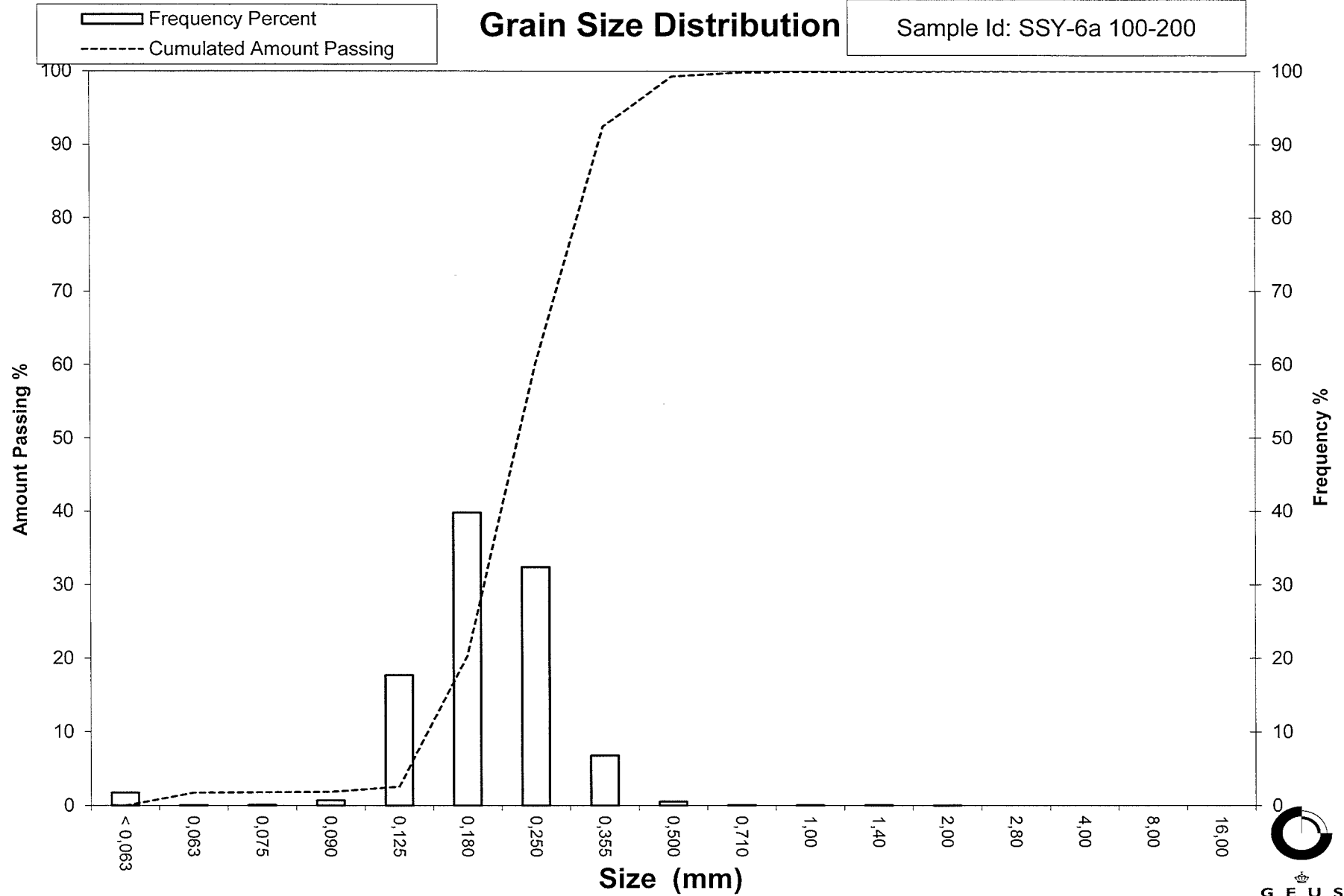
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

Sample Id: SSY-6a 100-200



Grain Size Distribution

Geotechnical

Sample Id: SSY-8 120-220
Lab. Id: 150198
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 10-12-2015
Executed: PS/CRL
Remarks:



Total Weight 162,94 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,07	0,04	99,96
1,40	-0,49	0,11	0,07	99,89
1,00	0,00	0,32	0,20	99,69
0,710	0,49	0,70	0,43	99,26
0,500	1,00	2,40	1,47	97,79
0,355	1,49	4,83	2,96	94,83
0,250	2,00	47,53	29,17	65,66
0,180	2,47	78,60	48,24	17,42
0,125	3,00	24,74	15,18	2,23
0,090	3,47	1,30	0,80	1,44
0,075	3,74	0,13	0,08	1,36
0,063	3,99	0,08	0,05	1,31
< 0,063	> 3,99	2,13	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):	29,89
Sand, medium (0,2 mm - 0,6 mm):	67,29
Sand, coarse (0,6 mm - 2 mm):	1,47
Gravel (> 2 mm):	0,04
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,36	1,46
16%	84%	0,32	1,66
25%	75%	0,28	1,82
40%	60%	0,24	2,05
Median 50%	50%	0,23	2,14
75%	25%	0,19	2,39
84%	16%	0,17	2,52
90%	10%	0,15	2,71
95%	5%	0,14	2,89

Moments Statistics

Mean	2,10
Sorting	0,43
Skewness	-0,03
Kurtosis	1,03
Uniformity Coefficient	1,58

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

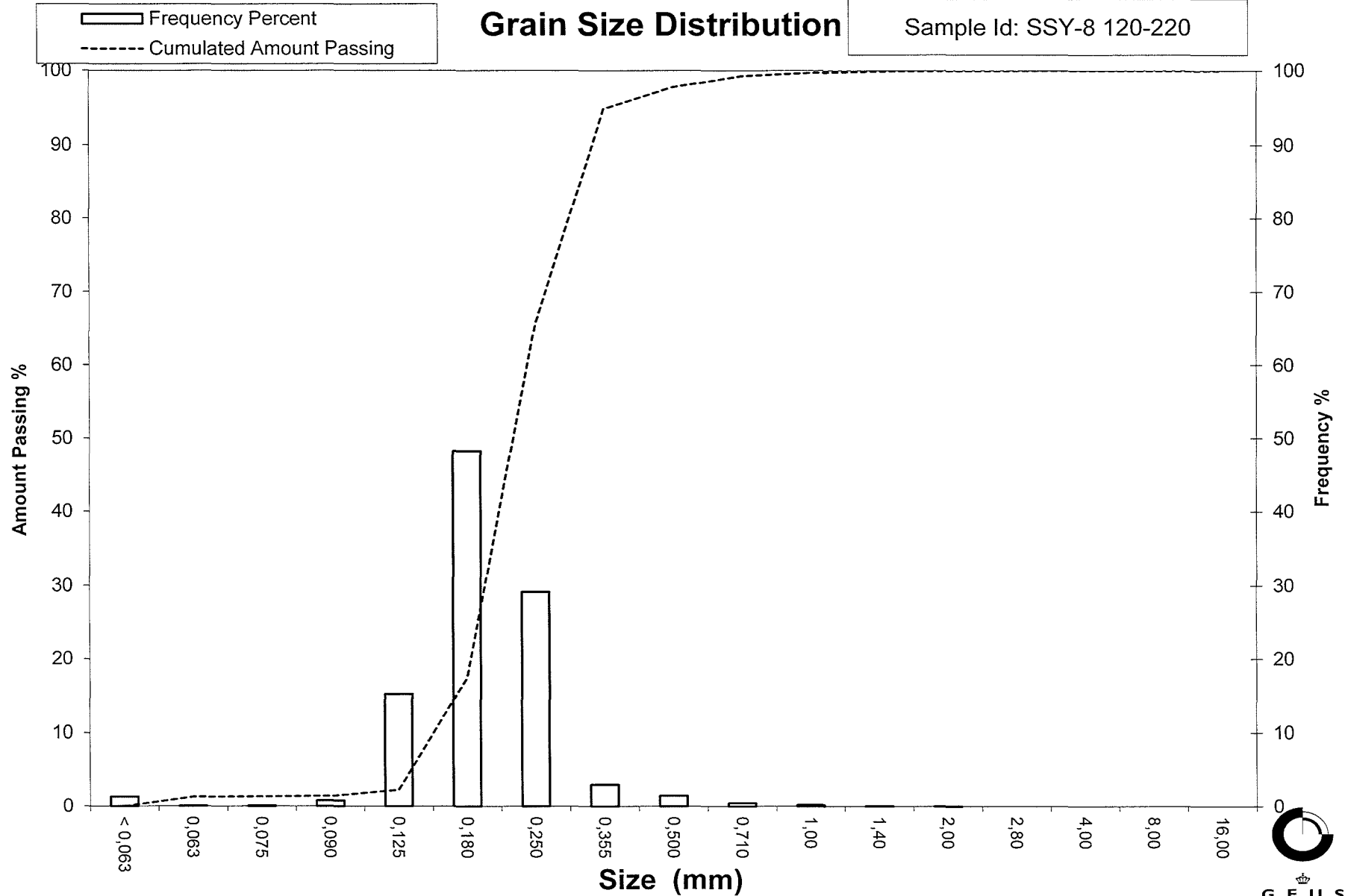
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

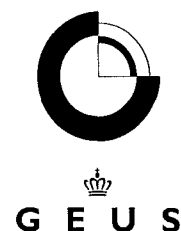
Sample Id: SSY-8 120-220



Grain Size Distribution

Geotechnical

Sample Id: SSY-9 70-130
Lab. Id: 150199
Submitter: Steen Lomholt
Subject: Marin råstoftkortlægning 2015
Date: 10-12-2015
Executed: PS/CRL
Remarks:



Total Weight 160,92 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,02	0,01	99,99
2,80	-1,49	0,07	0,04	99,94
2,00	-1,00	0,02	0,01	99,93
1,40	-0,49	0,07	0,04	99,89
1,00	0,00	0,18	0,11	99,78
0,710	0,49	0,18	0,11	99,66
0,500	1,00	0,75	0,47	99,20
0,355	1,49	16,74	10,40	88,80
0,250	2,00	88,35	54,90	33,89
0,180	2,47	34,97	21,73	12,16
0,125	3,00	13,73	8,53	3,63
0,090	3,47	2,09	1,30	2,33
0,075	3,74	0,30	0,19	2,14
0,063	3,99	0,18	0,11	2,03
< 0,063	> 3,99	3,27	2,03	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,03
Sand, fine (0,063 mm - 0,200 mm):	16,34
Sand, medium (0,2 mm - 0,6 mm):	81,05
Sand, coarse (0,6 mm - 2 mm):	0,51
Gravel (> 2 mm):	0,07
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,44	1,18
16%	84%	0,35	1,53
25%	75%	0,33	1,61
40%	60%	0,30	1,74
Median 50%	50%	0,28	1,83
75%	25%	0,22	2,18
84%	16%	0,19	2,38
90%	10%	0,17	2,59
95%	5%	0,13	2,90

Moments Statistics

Mean	1,91
Sorting	0,47
Skewness	0,27
Kurtosis	1,24
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 $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$ (Folk and Ward 1957)

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

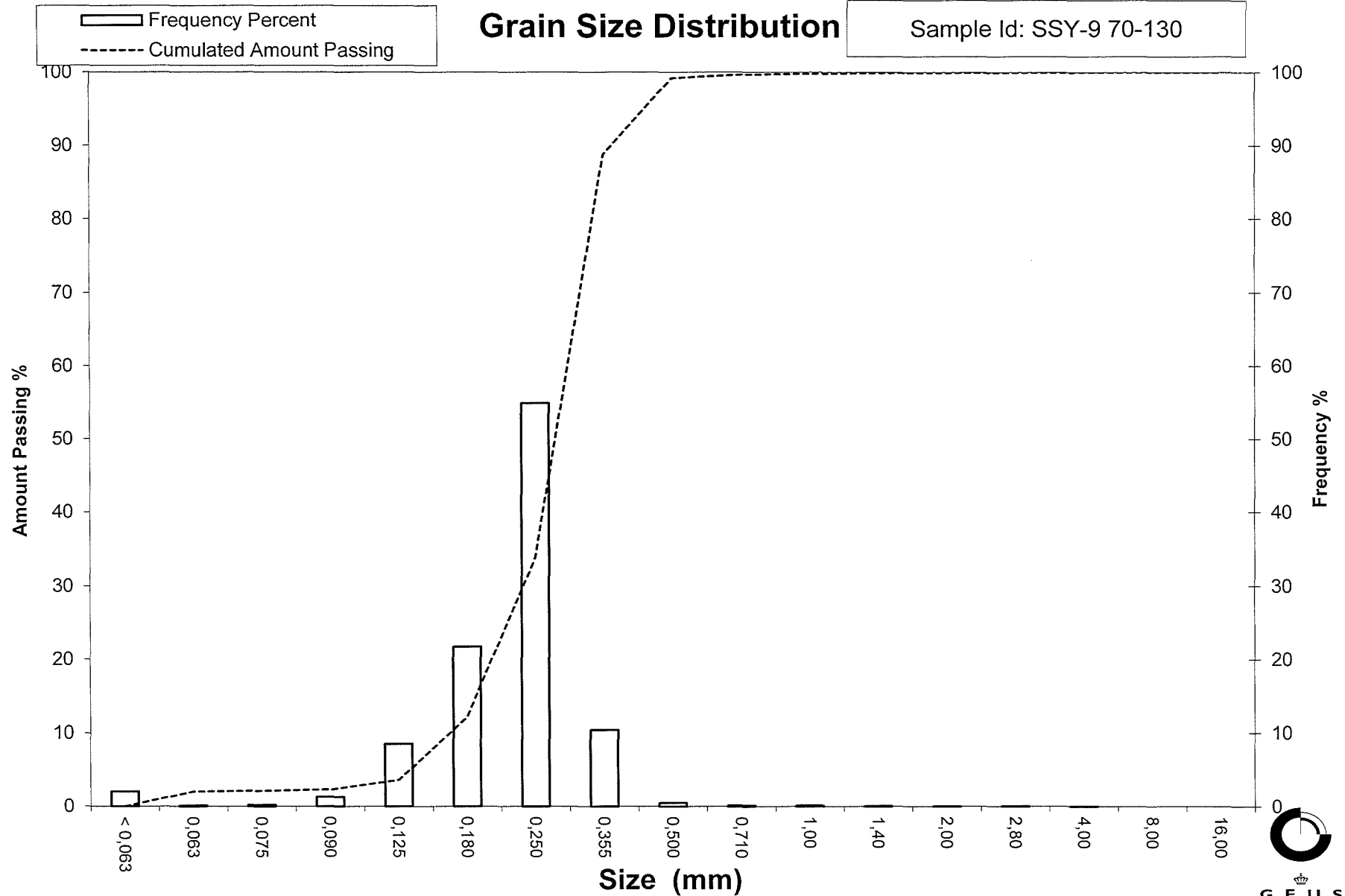
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

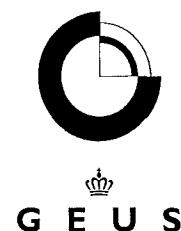
Sample Id: SSY-9 70-130



Grain Size Distribution

Geotechnical

Sample Id: SSY-10 0-50
Lab. Id: 150200
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 10-12-2015
Executed: PS/CRL
Remarks:



Total Weight 164,14 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,12	0,07	99,93
	2,00	-1,00	0,36	0,22	99,71
	1,40	-0,49	0,22	0,13	99,57
	1,00	0,00	1,17	0,71	98,86
	0,710	0,49	2,62	1,60	97,26
	0,500	1,00	9,37	5,71	91,56
	0,355	1,49	17,32	10,55	81,00
Sand	0,250	2,00	41,11	25,05	55,96
	0,180	2,47	56,58	34,47	21,49
	0,125	3,00	25,71	15,66	5,82
	0,090	3,47	5,49	3,34	2,48
	0,075	3,74	0,75	0,46	2,02
	0,063	3,99	0,44	0,27	1,75
	< 0,063	> 3,99	2,88	1,75	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,75
Sand, fine (0,063 mm - 0,200 mm):	29,58
Sand, medium (0,2 mm - 0,6 mm):	62,94
Sand, coarse (0,6 mm - 2 mm):	5,43
Gravel (> 2 mm):	0,29
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,63	0,67
16%	84%	0,40	1,34
25%	75%	0,33	1,60
40%	60%	0,27	1,91
Median 50%	50%	0,24	2,07
75%	25%	0,19	2,42
84%	16%	0,16	2,64
90%	10%	0,14	2,84
95%	5%	0,12	3,10

Moments Statistics

Mean	2,01
Sorting	0,69
Skewness	-0,14
Kurtosis	1,22
Uniformity Coefficient	1,91

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

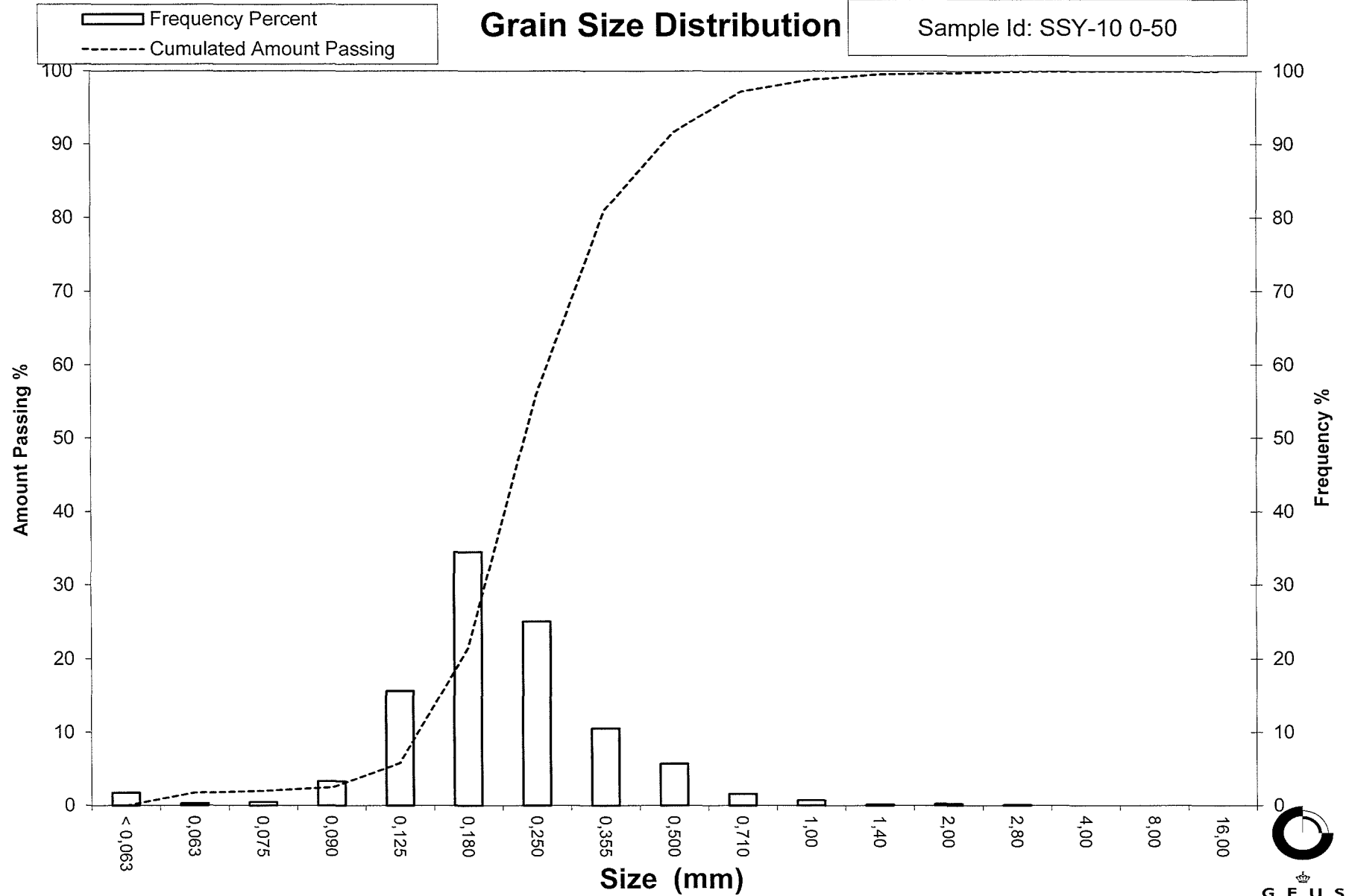
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

Grain Size Distribution

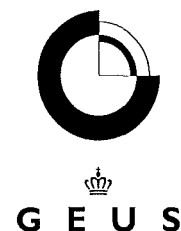
Sample Id: SSY-10 0-50



Grain Size Distribution

Geotechnical

Sample Id: SSY-10 100-200
Lab. Id: 150201
Submitter: Steen Lomholt
Subject: Marin råstøfkortlægning 2015
Date: 10-12-2015
Executed: PS/CRL
Remarks:



Total Weight 167,49 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,12	0,07	99,93
2,80	-1,49	0,76	0,45	99,47
2,00	-1,00	2,24	1,34	98,14
1,40	-0,49	3,30	1,97	96,17
1,00	0,00	8,57	5,12	91,05
0,710	0,49	14,87	8,88	82,17
0,500	1,00	20,67	12,34	69,83
0,355	1,49	30,13	17,99	51,84
0,250	2,00	37,42	22,34	29,50
0,180	2,47	19,64	11,73	17,77
0,125	3,00	17,49	10,44	7,33
0,090	3,47	6,66	3,98	3,36
0,075	3,74	1,29	0,77	2,59
0,063	3,99	0,76	0,45	2,13
< 0,063	> 3,99	3,57	2,13	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,13
Sand, fine (0,063 mm - 0,200 mm):	18,99
Sand, medium (0,2 mm - 0,6 mm):	54,58
Sand, coarse (0,6 mm - 2 mm):	22,43
Gravel (> 2 mm):	1,86
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,31	-0,39
16%	84%	0,77	0,38
25%	75%	0,59	0,77
40%	60%	0,42	1,25
Median 50%	50%	0,35	1,53
75%	25%	0,22	2,16
84%	16%	0,17	2,55
90%	10%	0,14	2,85
95%	5%	0,10	3,26

Moments Statistics

Mean	1,49
Sorting	1,10
Skewness	-0,06
Kurtosis	1,07
Uniformity Coefficient	3,03

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

Grain Size Distribution

Sample Id: SSY-10 100-200

Frequency Percent
Cumulated Amount Passing

