

Datarapport: Kornstørrelsesfordeling Laboratorieanalyser for Miljøstyrelsen

Miljøstyrelsens råstofundersøgelser 2020 del 2

Pernille Stockmarr

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Prøvebehandling

GEUS har foretaget analyser på 100 sedimentprøver.

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 som beskrevet i DS405.9 DS/EN 933-1 med følgende sigter

16 - 8 – 4 – 2 - 1 – 0,5 – 0,250 – 0,125 – 0,075 – 0,063 (mm) svarende til 1 phi sigtning.

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

Miljøstyrelsens råstofundersøgelser 2020 del 2

labnr.	mærkning	dybde	
200788	HRV 01	0-140	cm
200789	HRV 02	0-200	cm
200790	HRV 03	0-200	cm
200791	HRV 04	0-200	cm
200792	HRV 06	0-100	cm
200793	HRV 07	200-400	cm
200794	HRV 07	480-580	cm
200795	HRV 08	0-300	cm
200796	HRV 10	0-200	cm
200797	HRV 12	0-300	cm
200798	HRV 14	0-500	cm
200799	HRV 15	0-200	cm
200800	HRV 21	0-150	cm
200801	HRV 23	0-90	cm
200802	HRV 25	0-200	cm
200803	HRV 27	0-150	cm
200804	HRV 28	0-300	cm
200805	HRV 29	0-200	cm
200806	HRV 29	250-500	cm
200807	HRV 30	0-290	cm
200808	HRV 32	0-240	cm
200809	HRV 33	0-200	cm
200810	HRV 34	0-150	cm
200811	HRV 35	150-300	cm
200812	HRV 36	0-150	cm
200813	HRV 36	200-300	cm
200814	HRV 39	0-500	cm
200815	HRV 41	0-400	cm
200816	HRV 43	0-300	cm
200817	HRV 45	0-300	cm
200818	HRV 76	100-200	cm
200819	HR 1	0-150	cm
200820	HR 3	150-250	cm
200821	HR 6	0-200	cm
200822	HR 7	0-240	cm
200823	HR 8	0-200	cm
200824	HR 17A	100-200	cm
200825	HR 18	0-120	cm
200826	HR 21	0-60	cm
200827	HR 24	0-87	cm
200828	HR 25A	50-150	cm
200829	HR 28	300-450	cm

labnr.	mærkning	dybde	
200830	HR 29A	50-150	cm
200831	HR 30	220-320	cm
200832	HR 32	300-480	cm
200833	HR 33A	50-150	cm
200834	HR 34	0-300	cm
200835	HR 41	0-500	cm
200836	HR 42	140-300	cm
200837	HR 43	0-500	cm
200838	HR 44	0-500	cm
200839	HR 45	0-100	cm
200840	HR 46	0-200	cm
200841	HR 46	300-450	cm
200842	HR 47	350-550	cm
200843	HR 50	0-300	cm
200844	JAM 04	0-250	cm
200845	JAM 06	0-160	cm
200846	JAM 08	0-200	cm
200847	JAM 09	0-140	cm
200848	JAM 15	0-290	cm
200849	JAM 18	0-300	cm
200850	JAM 27	0-250	cm
200851	JAM 33	0-150	cm
200852	JAM 37	0-250	cm
200853	JAM 38	0-300	cm
200854	JAM 45	0-115	cm
200855	JAM 53	120-220	cm
200856	JAM 63	0-140	cm
200857	HRNE 05	0-500	cm
200858	HRNE 08	0-200	cm
200859	HRNE 09	0-120	cm
200860	HRNE 10	0-270	cm
200861	HRNE 10	300-450	cm
200862	HRNE 18	0-200	cm
200863	HRNE 21	0-500	cm
200864	HRNE 22	0-300	cm
200865	HRNE 23	0-140	cm
200866	HRNE 26	0-290	cm
200867	HRNE 28	0-400	cm
200868	HRNE 31	0-500	cm
200869	HRNE 36	0-300	cm
200870	HRNE 42	0-200	cm
200871	VKY 01	0-100	cm
200872	VKY 23	100-170	cm
200873	VKY 35	0-40	cm
200874	VKY 36	0-100	cm
200875	VKY 39	0-100	cm

labnr.	mærkning	dybde	
200876	VKY 43	20-68	cm
200877	VKY 45	250-450	cm
200878	VKY 51	0-200	cm
200879	VKY 55	10-80	cm
200880	VKY 68	0-100	cm
200881	VKY 71	0-200	cm
200882	VKY 72	0-100	cm
200883	VKY 73	230-320	cm
200884	VKY 79	0-140	cm
200885	VKY 80	0-180	cm
200886	VKY 84	0-300	cm
200887	VKY 106	70-170	cm

Bilag 1

Grain Size Distribution

Geotechnical

Sample Id: HRV 01, 0-140
Lab. Id: 200788
Projekt: MST Råstøfkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 94,29 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing %
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,03	0,03	99,97
2,00	-1,00	0,17	0,18	99,79
1,40	-0,49	0,65	0,69	99,10
1,00	0,00	0,27	0,29	98,81
0,710	0,49	0,22	0,23	98,58
0,500	1,00	0,68	0,72	97,86
0,355	1,49	2,49	2,64	95,22
0,250	2,00	10,88	11,54	83,68
0,180	2,47	35,79	37,96	45,72
0,125	3,00	34,55	36,64	9,08
0,090	3,47	5,84	6,19	2,88
0,075	3,74	0,86	0,91	1,97
0,063	3,99	0,42	0,45	1,53
< 0,063	> 3,99	1,44	1,53	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,53
Sand, fine (0,063 mm - 0,200 mm):	55,04
Sand, medium (0,2 mm - 0,6 mm):	41,64
Sand, coarse (0,6 mm - 2 mm):	1,59
Gravel (> 2 mm):	0,21
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,50
16%	84%	0,25	1,98
25%	75%	0,23	2,10
40%	60%	0,21	2,28
Median 50%	50%	0,19	2,41
75%	25%	0,15	2,75
84%	16%	0,14	2,88
90%	10%	0,13	2,98
95%	5%	0,10	3,29

Moments Statistics

Mean	2,43
Sorting	0,50
Skewness	0,02
Kurtosis	1,13
Uniformity Coefficient	1,63

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

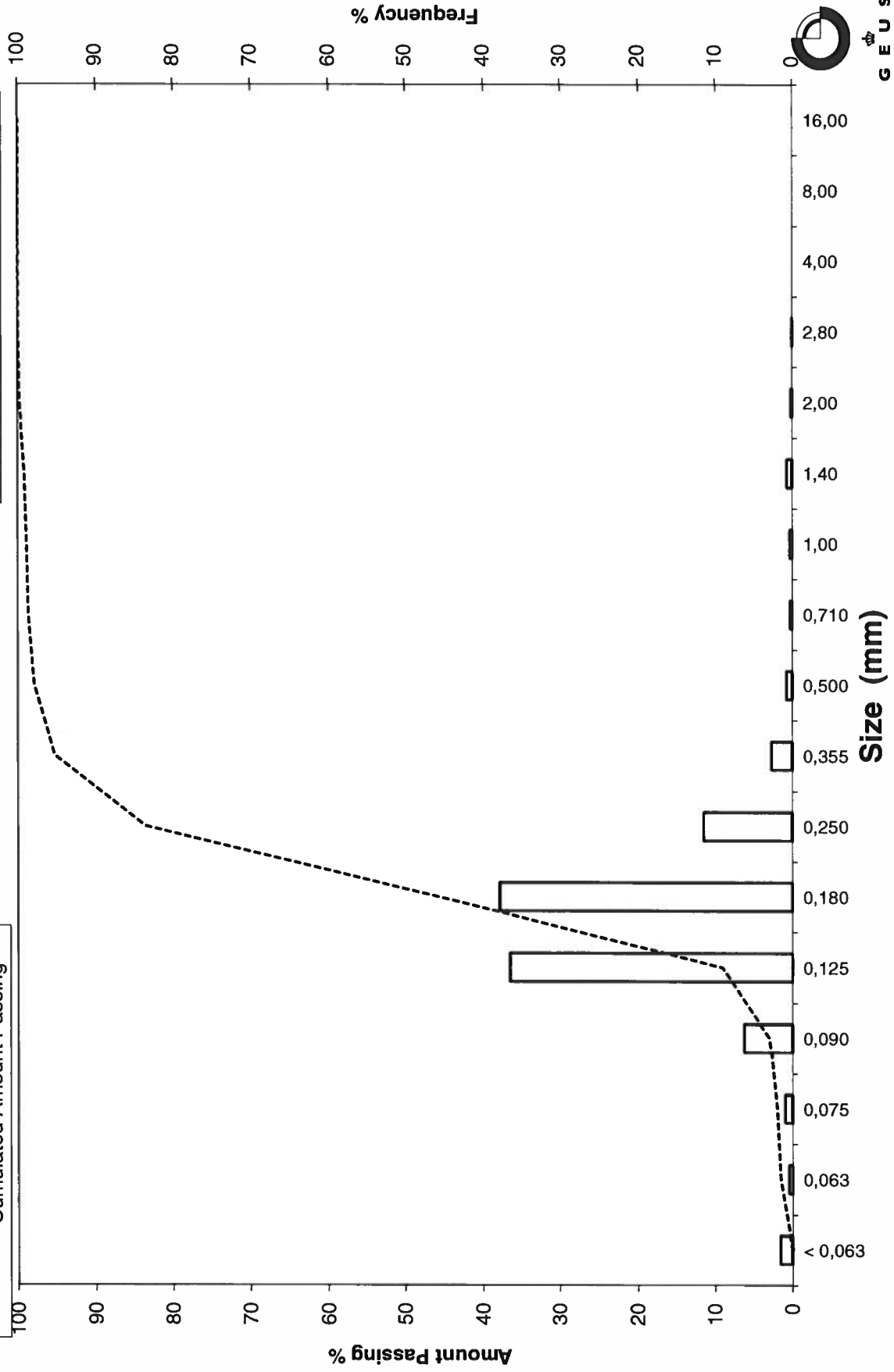
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 01, 0-140

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 02, 0-200
Lab. Id: 200789
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm består af skaller



Total Weight 102,17 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,07	0,07	99,93
2,80	-1,49	0,12	0,12	99,81
2,00	-1,00	0,16	0,16	99,66
1,40	-0,49	0,18	0,18	99,48
1,00	0,00	0,80	0,78	98,70
0,710	0,49	3,28	3,21	95,49
0,500	1,00	11,54	11,29	84,19
0,355	1,49	19,79	19,37	64,82
0,250	2,00	22,99	22,50	42,32
0,180	2,47	20,29	19,86	22,46
0,125	3,00	18,05	17,67	4,80
0,090	3,47	3,11	3,04	1,75
0,075	3,74	0,33	0,32	1,43
0,063	3,99	0,15	0,15	1,28
< 0,063	> 3,99	1,31	1,28	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,28
Sand, fine (0,063 mm - 0,200 mm):	26,85
Sand, medium (0,2 mm - 0,6 mm):	61,43
Sand, coarse (0,6 mm - 2 mm):	10,09
Gravel (> 2 mm):	0,34
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,70	0,51
16%	84%	0,50	1,00
25%	75%	0,43	1,21
40%	60%	0,33	1,59
Median 50%	50%	0,29	1,81
75%	25%	0,19	2,40
84%	16%	0,16	2,64
90%	10%	0,14	2,82
95%	5%	0,13	2,99

Moments Statistics

Mean	1,82
Sorting	0,79
Skewness	-0,01
Kurtosis	0,85
Uniformity Coefficient	2,35

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

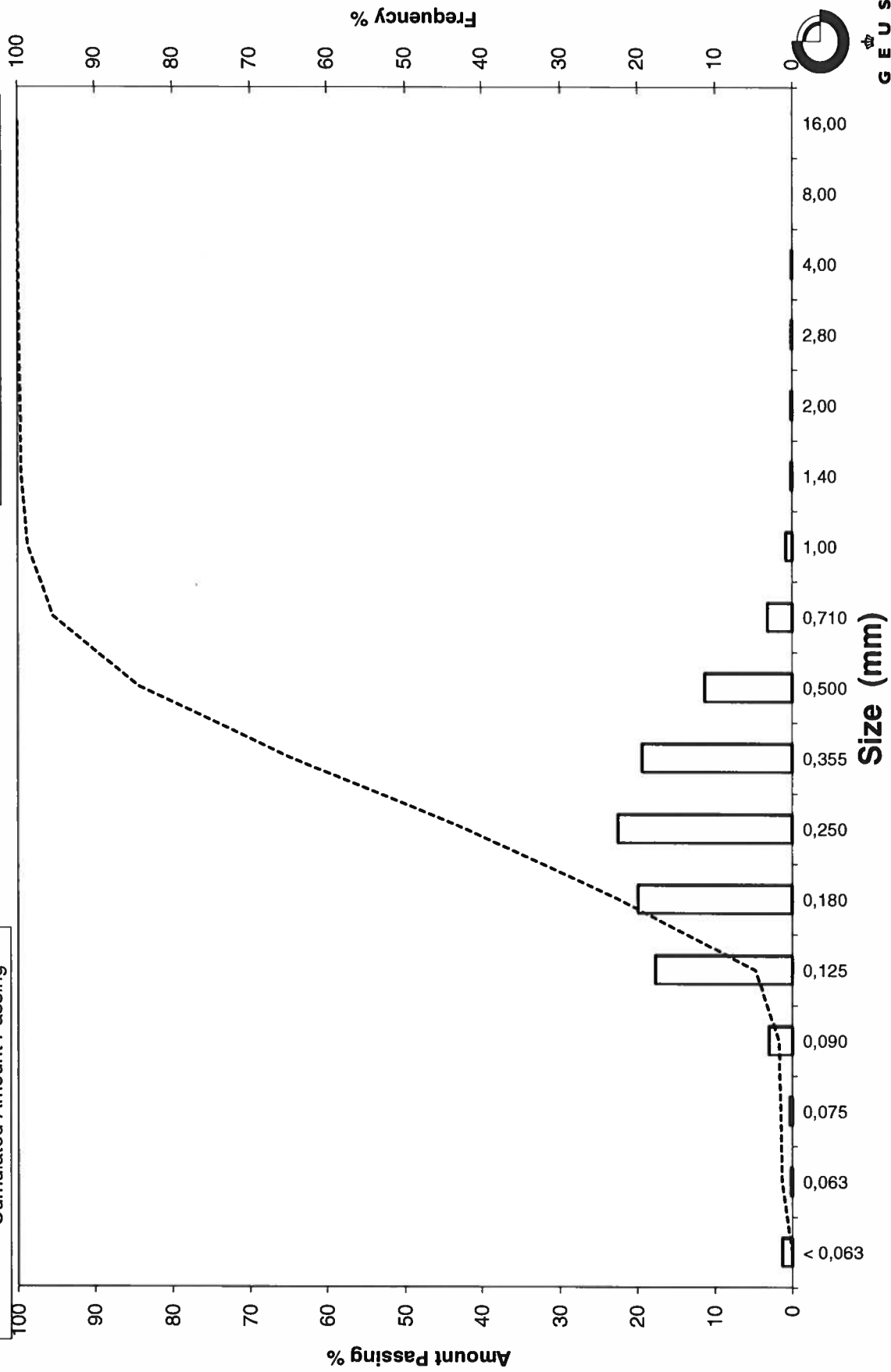
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 02, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 03, 0-200
Lab. Id: 200790
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 97,07 g

Size Fractions

Sieve Analysis					
	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,00	0,00	100,00
	2,00	-1,00	0,03	0,03	99,97
Sand	1,40	-0,49	0,15	0,15	99,81
	1,00	0,00	0,54	0,56	99,26
	0,710	0,49	0,78	0,80	98,45
	0,500	1,00	1,81	1,86	96,59
	0,355	1,49	4,27	4,40	92,19
	0,250	2,00	26,46	27,26	64,93
	0,180	2,47	27,64	28,47	36,46
	0,125	3,00	22,63	23,31	13,15
	0,090	3,47	9,61	9,90	3,25
	0,075	3,74	0,90	0,93	2,32
	0,063	3,99	0,45	0,46	1,85
	< 0,063	> 3,99	1,80	1,85	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,85
Sand, fine (0,063 mm - 0,200 mm):	42,74
Sand, medium (0,2 mm - 0,6 mm):	52,88
Sand, coarse (0,6 mm - 2 mm):	2,49
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%	0,45	1,16
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%	0,15	2,71
84%	16%	0,13	2,92
90%	10%	0,11	3,13
95%	5%	0,10	3,38

Moments Statistics

Mean	2,26
Sorting	0,66
Skewness	0,05
Kurtosis	0,99
Uniformity Coefficient	2,09

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

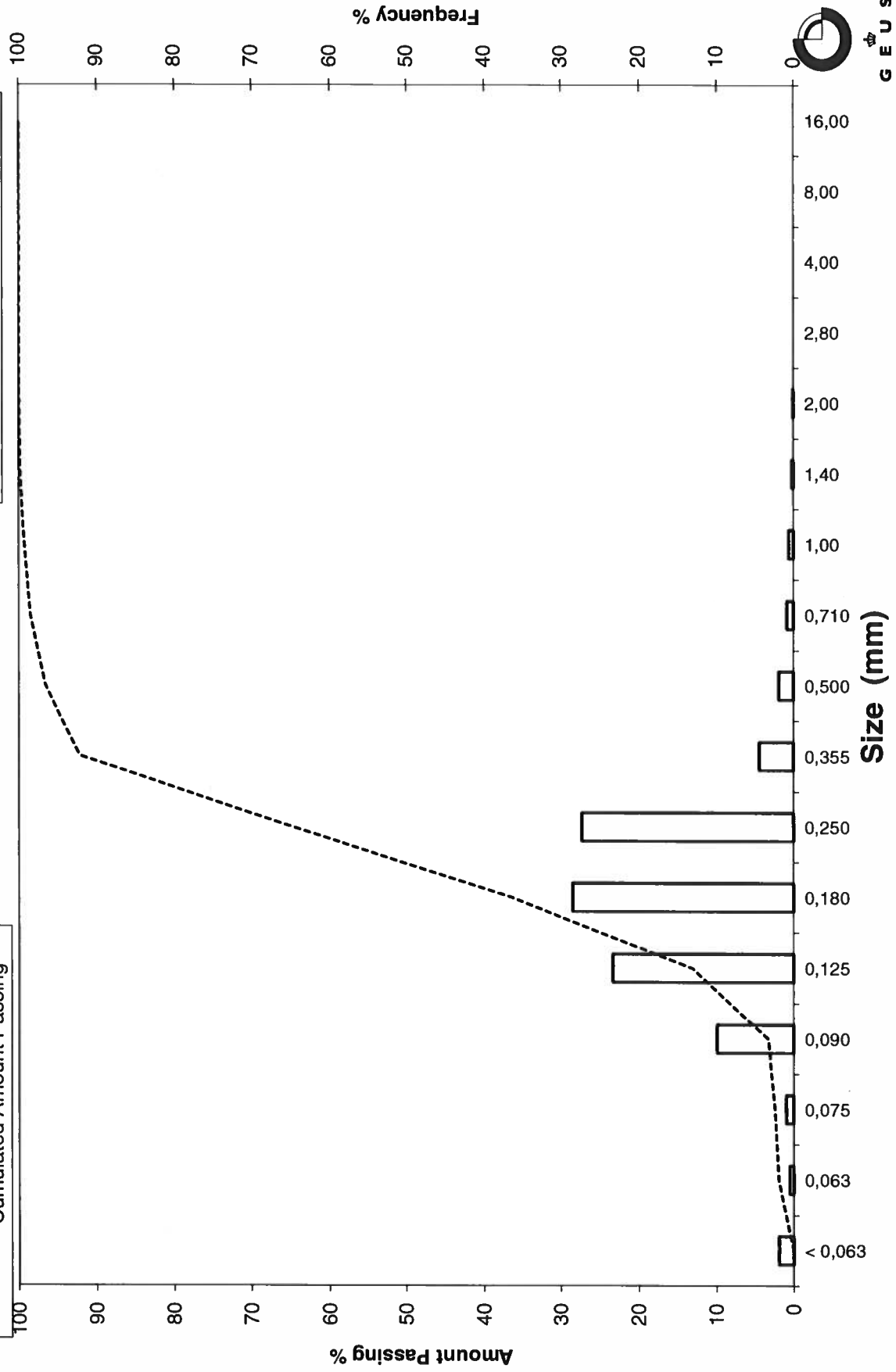
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 03, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 04, 0-200
Lab. Id: 200791
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 95,91 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	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,02	0,02	99,98
1,00	0,00	0,12	0,13	99,85
0,710	0,49	0,28	0,29	99,56
0,500	1,00	1,38	1,44	98,12
0,355	1,49	3,84	4,00	94,12
0,250	2,00	13,15	13,71	80,41
0,180	2,47	17,63	18,38	62,03
0,125	3,00	38,53	40,17	21,85
0,090	3,47	16,90	17,62	4,23
0,075	3,74	1,60	1,67	2,56
0,063	3,99	0,65	0,68	1,89
< 0,063	> 3,99	1,81	1,89	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,89
Sand, fine (0,063 mm - 0,200 mm):	65,39
Sand, medium (0,2 mm - 0,6 mm):	31,53
Sand, coarse (0,6 mm - 2 mm):	1,19
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,39	1,37
16%	84%	0,28	1,85
25%	75%	0,23	2,12
40%	60%	0,18	2,50
Median 50%	50%	0,16	2,61
75%	25%	0,13	2,95
84%	16%	0,11	3,14
90%	10%	0,10	3,30
95%	5%	0,09	3,45

Moments Statistics

Mean	2,53
Sorting	0,64
Skewness	-0,19
Kurtosis	1,03
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)

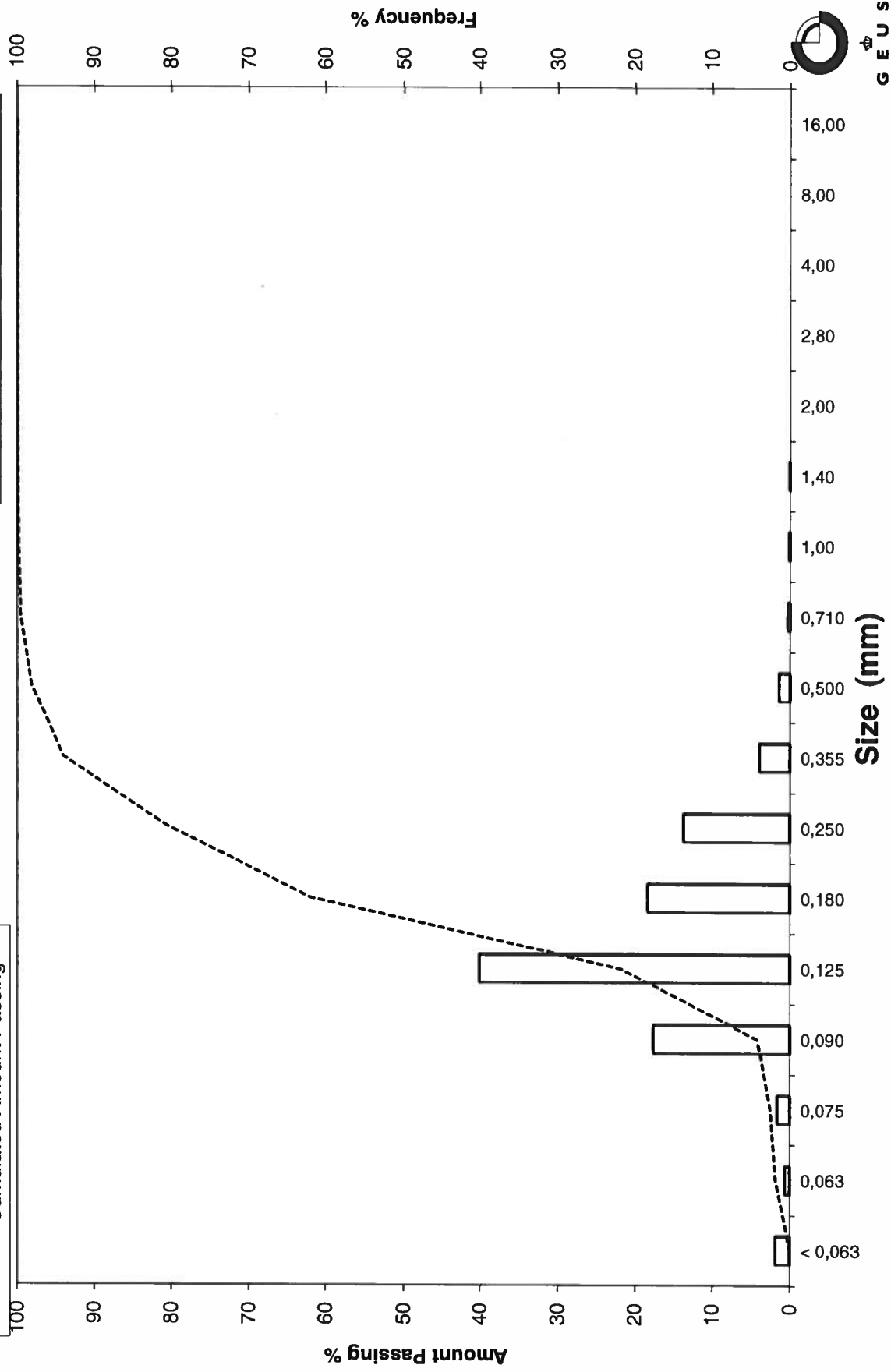
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 04, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 06, 0-100
Lab. Id: 200792
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm heraf 0,07g skaller



Total Weight 96,9 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,11	0,11	99,89
2,80	-1,49	0,03	0,03	99,86
2,00	-1,00	0,02	0,02	99,83
1,40	-0,49	0,02	0,02	99,81
1,00	0,00	0,08	0,08	99,73
0,710	0,49	0,27	0,28	99,45
0,500	1,00	2,96	3,05	96,40
0,355	1,49	12,56	12,96	83,44
0,250	2,00	26,58	27,43	56,01
0,180	2,47	25,12	25,92	30,08
0,125	3,00	17,52	18,08	12,00
0,090	3,47	8,19	8,45	3,55
0,075	3,74	0,99	1,02	2,53
0,063	3,99	0,56	0,58	1,95
< 0,063	> 3,99	1,89	1,95	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,95
Sand, fine (0,063 mm - 0,200 mm):	35,54
Sand, medium (0,2 mm - 0,6 mm):	60,36
Sand, coarse (0,6 mm - 2 mm):	1,98
Gravel (> 2 mm):	0,17
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,48	1,05
16%	84%	0,36	1,47
25%	75%	0,32	1,63
40%	60%	0,27	1,91
Median 50%	50%	0,23	2,10
75%	25%	0,16	2,60
84%	16%	0,14	2,87
90%	10%	0,12	3,10
95%	5%	0,10	3,38

Moments Statistics

Mean	2,14
Sorting	0,70
Skewness	0,10
Kurtosis	0,98
Uniformity Coefficient	2,27

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

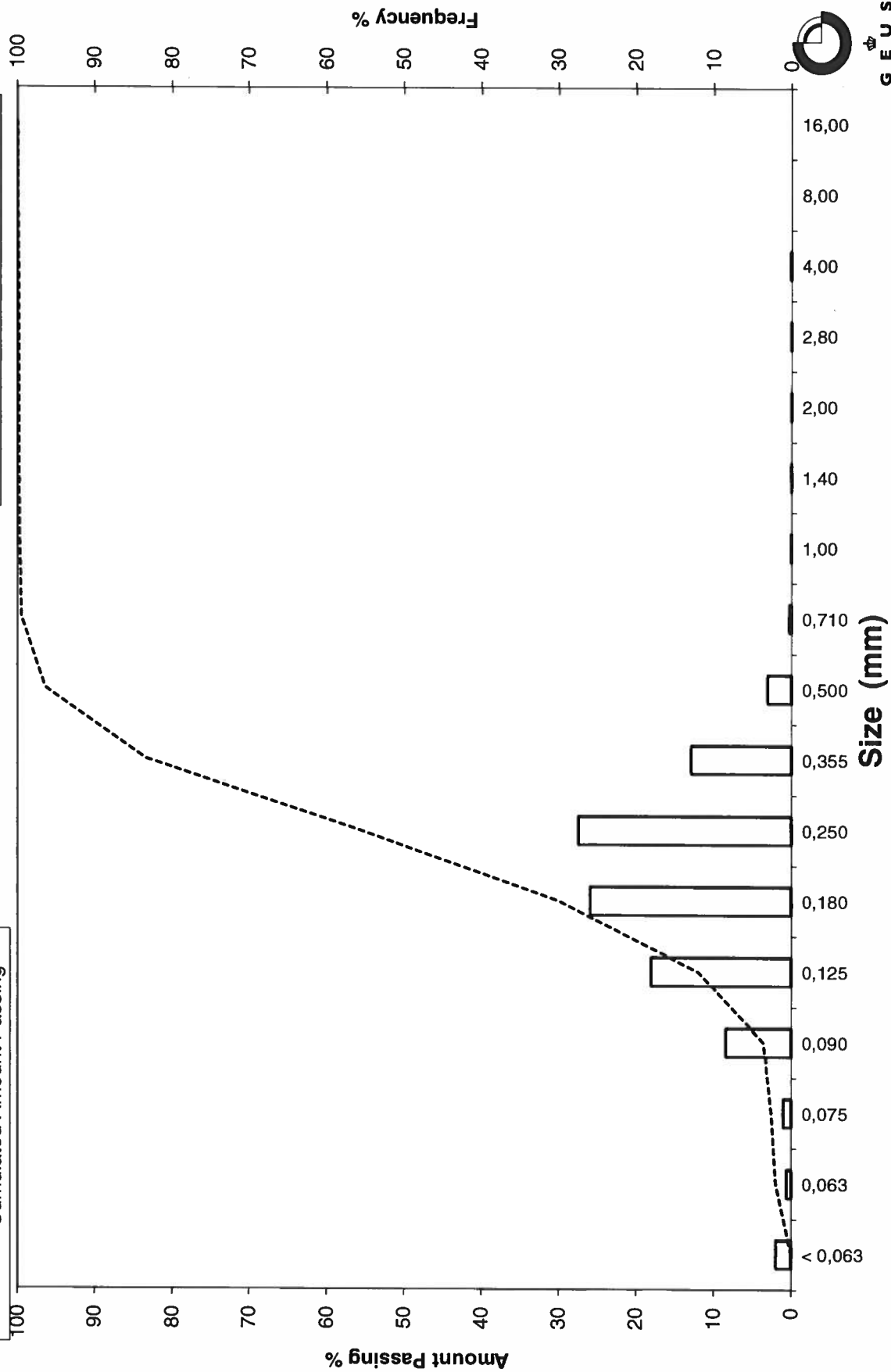
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 06, 0-100

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 07, 200-400
Lab. Id: 200793
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 107,7 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,18	0,17	99,83
2,80	-1,49	0,04	0,04	99,80
2,00	-1,00	0,26	0,24	99,55
1,40	-0,49	0,39	0,36	99,19
1,00	0,00	1,75	1,62	97,57
0,710	0,49	12,74	11,83	85,74
0,500	1,00	54,44	50,55	35,19
0,355	1,49	27,21	25,26	9,93
0,250	2,00	2,66	2,47	7,46
0,180	2,47	2,00	1,86	5,60
0,125	3,00	4,01	3,72	1,88
0,090	3,47	0,83	0,77	1,10
0,075	3,74	0,10	0,09	1,01
0,063	3,99	0,05	0,05	0,97
< 0,063	> 3,99	1,04	0,97	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,97
Sand, fine (0,063 mm - 0,200 mm):	5,16
Sand, medium (0,2 mm - 0,6 mm):	53,13
Sand, coarse (0,6 mm - 2 mm):	40,29
Gravel (> 2 mm):	0,45
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,94	0,09
16%	84%	0,70	0,51
25%	75%	0,67	0,59
40%	60%	0,60	0,73
Median 50%	50%	0,56	0,83
75%	25%	0,44	1,18
84%	16%	0,39	1,36
90%	10%	0,36	1,49
95%	5%	0,17	2,55

Moments Statistics

Mean	0,90
Sorting	0,58
Skewness	0,32
Kurtosis	1,70
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)

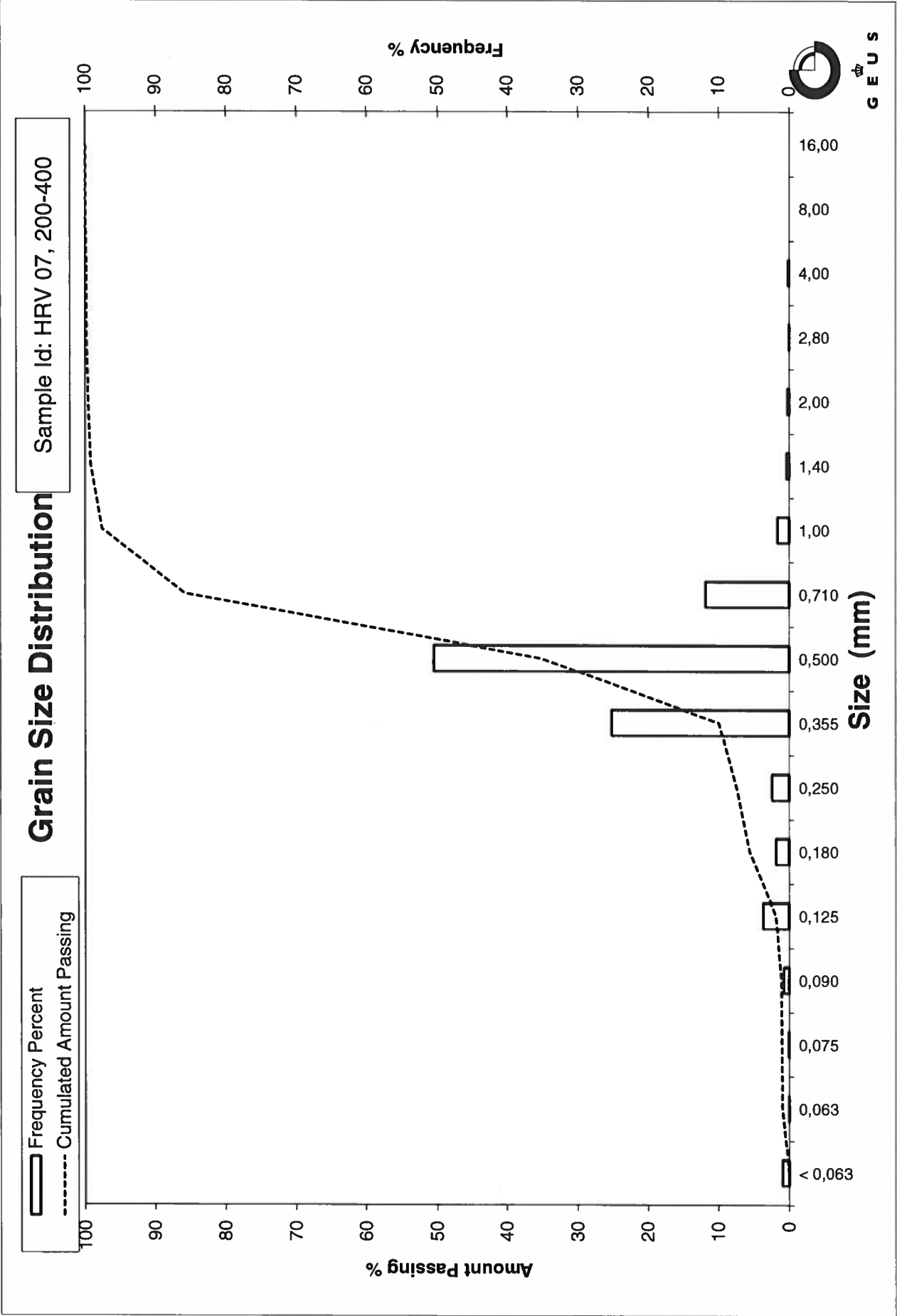
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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)

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

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Grain Size Distribution

Geotechnical

Sample Id: HRV 07, 480-580
Lab. Id: 200794
Projekt: MST Råstøfkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: 4mm heraf 4,1g skaller



Total Weight 738,05 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	45,13	6,11	93,89
8,00	-3,00	27,82	3,77	90,12
4,00	-2,00	29,10	3,94	86,17
2,80	-1,49	28,25	3,83	82,34
2,00	-1,00	40,32	5,46	76,88
1,40	-0,49	55,52	7,52	69,36
1,00	0,00	89,41	12,11	57,24
0,710	0,49	97,28	13,18	44,06
0,500	1,00	93,52	12,67	31,39
0,355	1,49	127,63	17,29	14,10
0,250	2,00	71,17	9,64	4,46
0,180	2,47	7,78	1,05	3,40
0,125	3,00	11,85	1,61	1,80
0,090	3,47	6,21	0,84	0,96
0,075	3,74	1,16	0,16	0,80
0,063	3,99	0,67	0,09	0,71
< 0,063	> 3,99	5,23	0,71	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,71
Sand, fine (0,063 mm - 0,200 mm):	3,00
Sand, medium (0,2 mm - 0,6 mm):	33,72
Sand, coarse (0,6 mm - 2 mm):	39,45
Gravel (> 2 mm):	23,12
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	-----	-----
16%	84%	3,32	-1,73
25%	75%	1,85	-0,89
40%	60%	1,09	-0,13
Median 50%	50%	0,84	0,25
75%	25%	0,45	1,16
84%	16%	0,37	1,43
90%	10%	0,31	1,69
95%	5%	0,26	1,97

Moments Statistics

Mean	-0,02
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	3,52

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

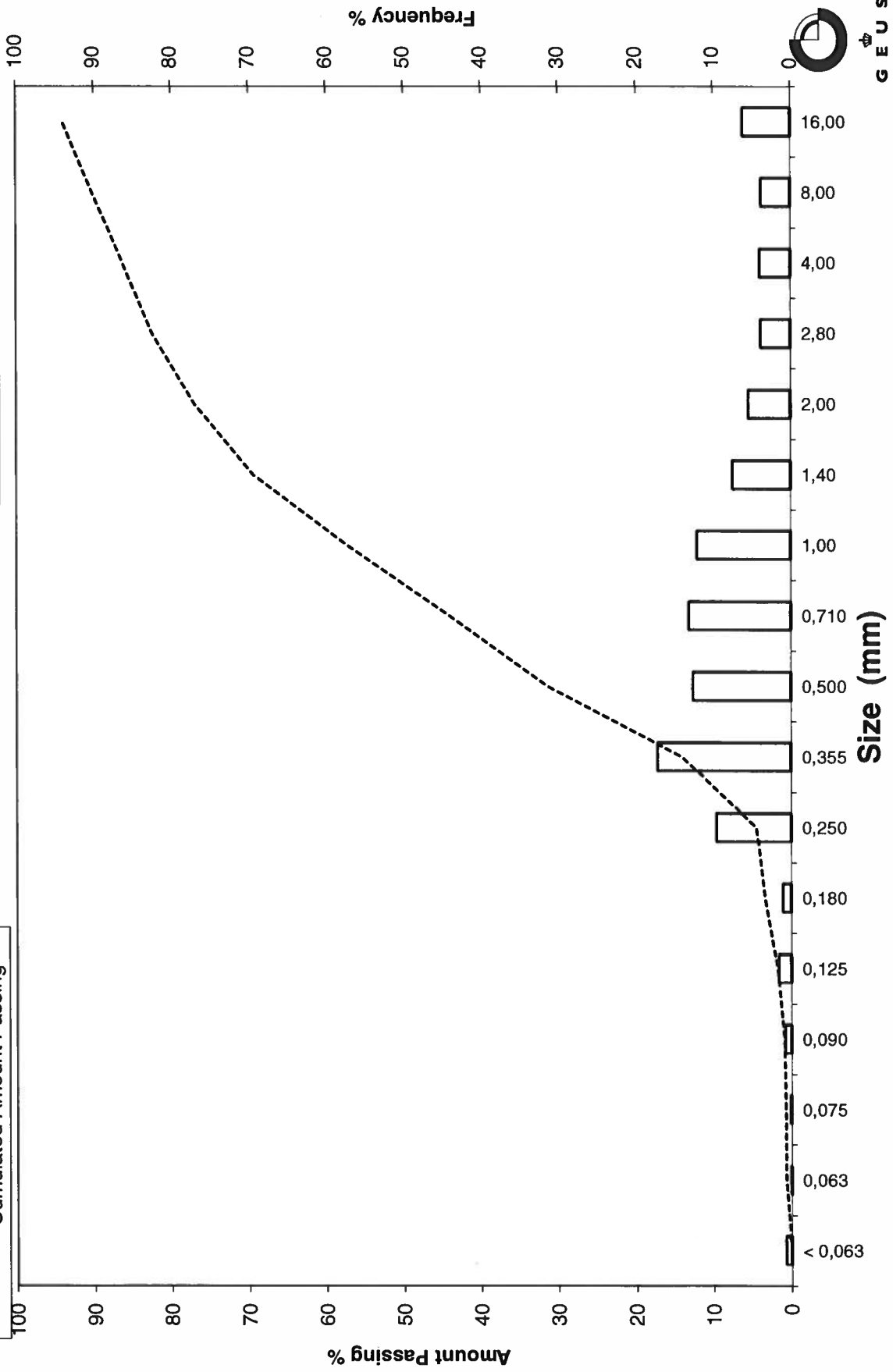
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 07, 480-580

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 08, 0-300
Lab. Id: 200795
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm består af skaller



Total Weight 104,9 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,02	99,98
2,00	-1,00	0,02	0,02	99,96
1,40	-0,49	0,03	0,03	99,93
1,00	0,00	1,35	1,29	98,65
0,710	0,49	5,59	5,33	93,32
0,500	1,00	13,20	12,58	80,73
0,355	1,49	19,43	18,52	62,21
0,250	2,00	22,49	21,44	40,77
0,180	2,47	18,11	17,26	23,51
0,125	3,00	17,72	16,89	6,62
0,090	3,47	5,20	4,96	1,66
0,075	3,74	0,50	0,48	1,18
0,063	3,99	0,19	0,18	1,00
< 0,063	> 3,99	1,05	1,00	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,00
Sand, fine (0,063 mm - 0,200 mm):	27,44
Sand, medium (0,2 mm - 0,6 mm):	58,29
Sand, coarse (0,6 mm - 2 mm):	13,24
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%	0,80	0,32
16%	84%	0,55	0,85
25%	75%	0,46	1,14
40%	60%	0,34	1,54
Median 50%	50%	0,30	1,76
75%	25%	0,19	2,43
84%	16%	0,16	2,68
90%	10%	0,14	2,88
95%	5%	0,11	3,14

Moments Statistics

Mean	1,77
Sorting	0,89
Skewness	-0,01
Kurtosis	0,90
Uniformity Coefficient	2,53

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

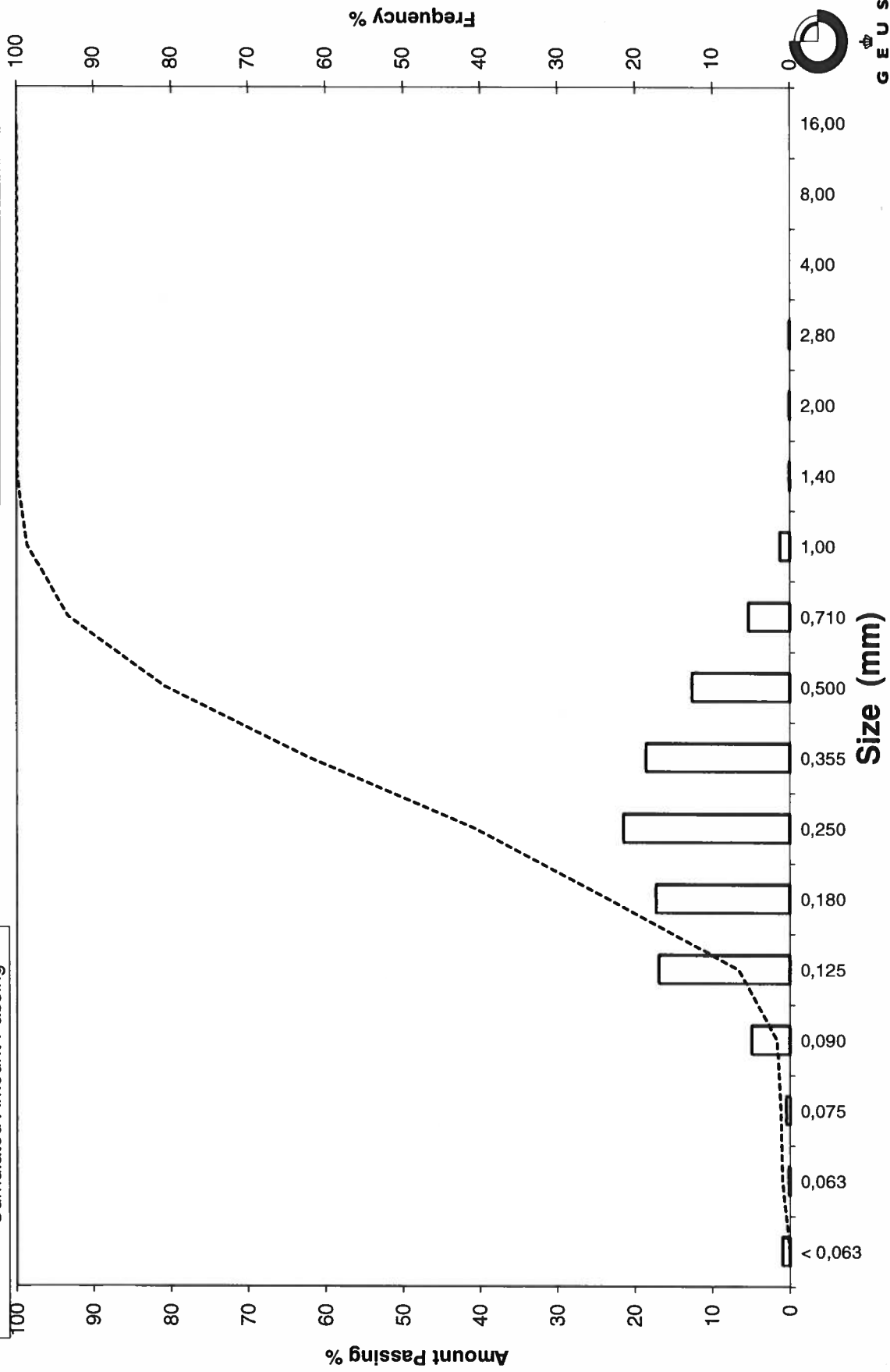
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 08, 0-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 10, 0-200
Lab. Id: 200796
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm består af skaller



Total Weight 97,97 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,02	0,02	99,98
1,40	-0,49	0,06	0,06	99,92
1,00	0,00	0,13	0,13	99,79
0,710	0,49	0,42	0,43	99,36
0,500	1,00	2,54	2,59	96,76
0,355	1,49	6,58	6,72	90,05
0,250	2,00	16,49	16,83	73,22
0,180	2,47	28,43	29,02	44,20
0,125	3,00	30,66	31,30	12,90
0,090	3,47	8,73	8,91	3,99
0,075	3,74	1,21	1,24	2,76
0,063	3,99	0,52	0,53	2,23
< 0,063	> 3,99	2,18	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):	50,26
Sand, medium (0,2 mm - 0,6 mm):	45,51
Sand, coarse (0,6 mm - 2 mm):	1,98
Gravel (> 2 mm):	0,02
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,46	1,11
16%	84%	0,32	1,66
25%	75%	0,26	1,94
40%	60%	0,22	2,20
Median 50%	50%	0,19	2,37
75%	25%	0,15	2,77
84%	16%	0,13	2,94
90%	10%	0,11	3,14
95%	5%	0,09	3,41

Moments Statistics

Mean	2,32
Sorting	0,67
Skewness	-0,10
Kurtosis	1,13
Uniformity Coefficient	1,92

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

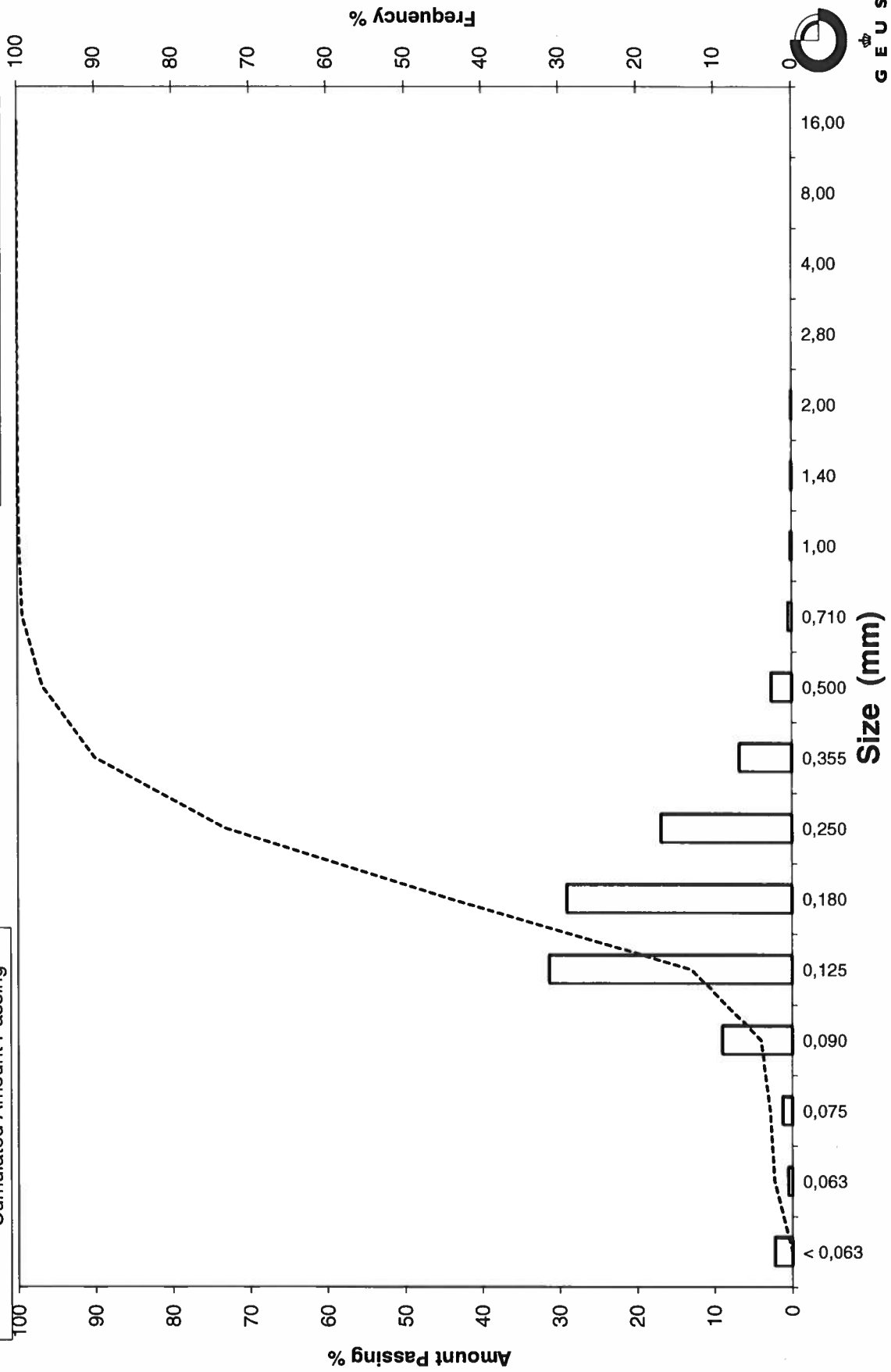
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 10, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 12, 0-300
Lab. Id: 200797
Projekt MST Råstøfkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 97,94 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	0,00	0,00	100,00
1,40	-0,49	0,00	0,00	100,00
1,00	0,00	0,10	0,10	99,90
0,710	0,49	0,14	0,14	99,75
0,500	1,00	2,02	2,06	97,69
0,355	1,49	9,86	10,07	87,63
0,250	2,00	14,63	14,94	72,69
0,180	2,47	15,24	15,56	57,13
0,125	3,00	26,41	26,97	30,16
0,090	3,47	20,39	20,82	9,34
0,075	3,74	3,43	3,50	5,84
0,063	3,99	1,89	1,93	3,91
< 0,063	> 3,99	3,83	3,91	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,91
Sand, fine (0,063 mm - 0,200 mm):	57,66
Sand, medium (0,2 mm - 0,6 mm):	37,10
Sand, coarse (0,6 mm - 2 mm):	1,33
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%	0,46	1,12
16%	84%	0,33	1,60
25%	75%	0,27	1,91
40%	60%	0,19	2,37
Median 50%	50%	0,17	2,60
75%	25%	0,12	3,10
84%	16%	0,10	3,30
90%	10%	0,09	3,46
95%	5%	0,07	3,84

Moments Statistics

Mean	2,50
Sorting	0,84
Skewness	-0,13
Kurtosis	0,93
Uniformity Coefficient	2,12

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

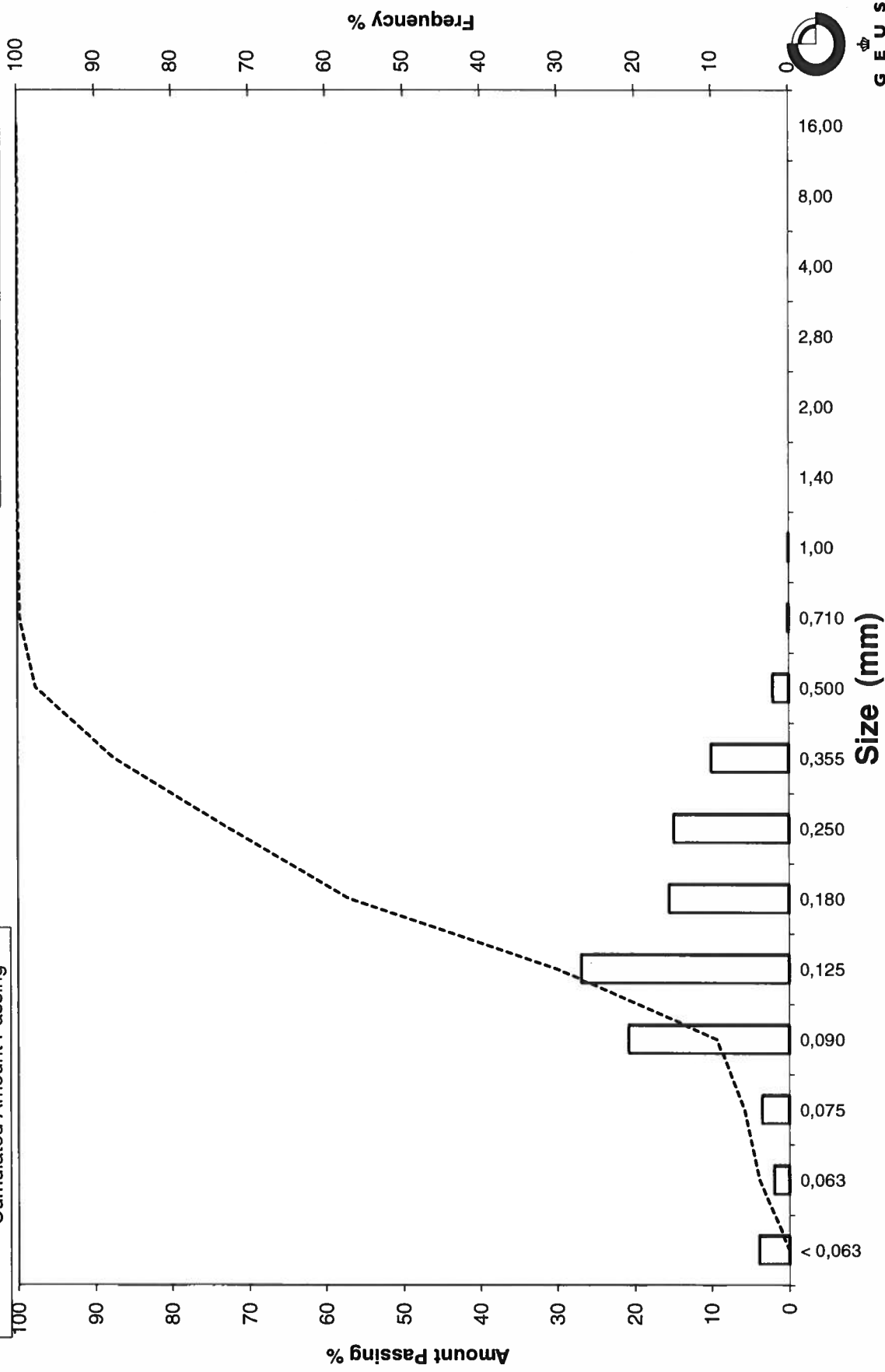
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: HRV 12, 0-300

Grain Size Distribution

Frequency Percent
Cumulated Amount Passing



GEUS

Grain Size Distribution

Geotechnical

Sample Id: HRV 14, 0-500
Lab. Id: 200798
Projekt MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm heraf 3,1g skaller



Total Weight 134,61 g

Size Fractions

Sieve Analysis					
	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	3,04	2,26	97,74
	8,00	-3,00	0,00	0,00	97,74
	4,00	-2,00	0,29	0,22	97,53
	2,80	-1,49	0,13	0,10	97,43
	2,00	-1,00	0,27	0,20	97,23
	1,40	-0,49	1,10	0,82	96,41
Sand	1,00	0,00	17,53	13,02	83,39
	0,710	0,49	27,28	20,27	63,12
	0,500	1,00	34,68	25,76	37,36
	0,355	1,49	35,83	26,62	10,74
	0,250	2,00	10,80	8,02	2,72
	0,180	2,47	1,53	1,14	1,58
	0,125	3,00	0,41	0,30	1,28
	0,090	3,47	0,15	0,11	1,17
	0,075	3,74	0,06	0,04	1,12
	0,063	3,99	0,01	0,01	1,11
	< 0,063	> 3,99	1,50	1,11	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,11
Sand, fine (0,063 mm - 0,200 mm):	0,79
Sand, medium (0,2 mm - 0,6 mm):	47,72
Sand, coarse (0,6 mm - 2 mm):	47,60
Gravel (> 2 mm):	2,77
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,36	-0,44
16%	84%	1,02	-0,03
25%	75%	0,88	0,18
40%	60%	0,68	0,55
Median 50%	50%	0,60	0,73
75%	25%	0,43	1,21
84%	16%	0,38	1,38
90%	10%	0,35	1,53
95%	5%	0,28	1,84

Moments Statistics

Mean	0,70
Sorting	0,70
Skewness	-0,05
Kurtosis	0,91
Uniformity Coefficient	1,98

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

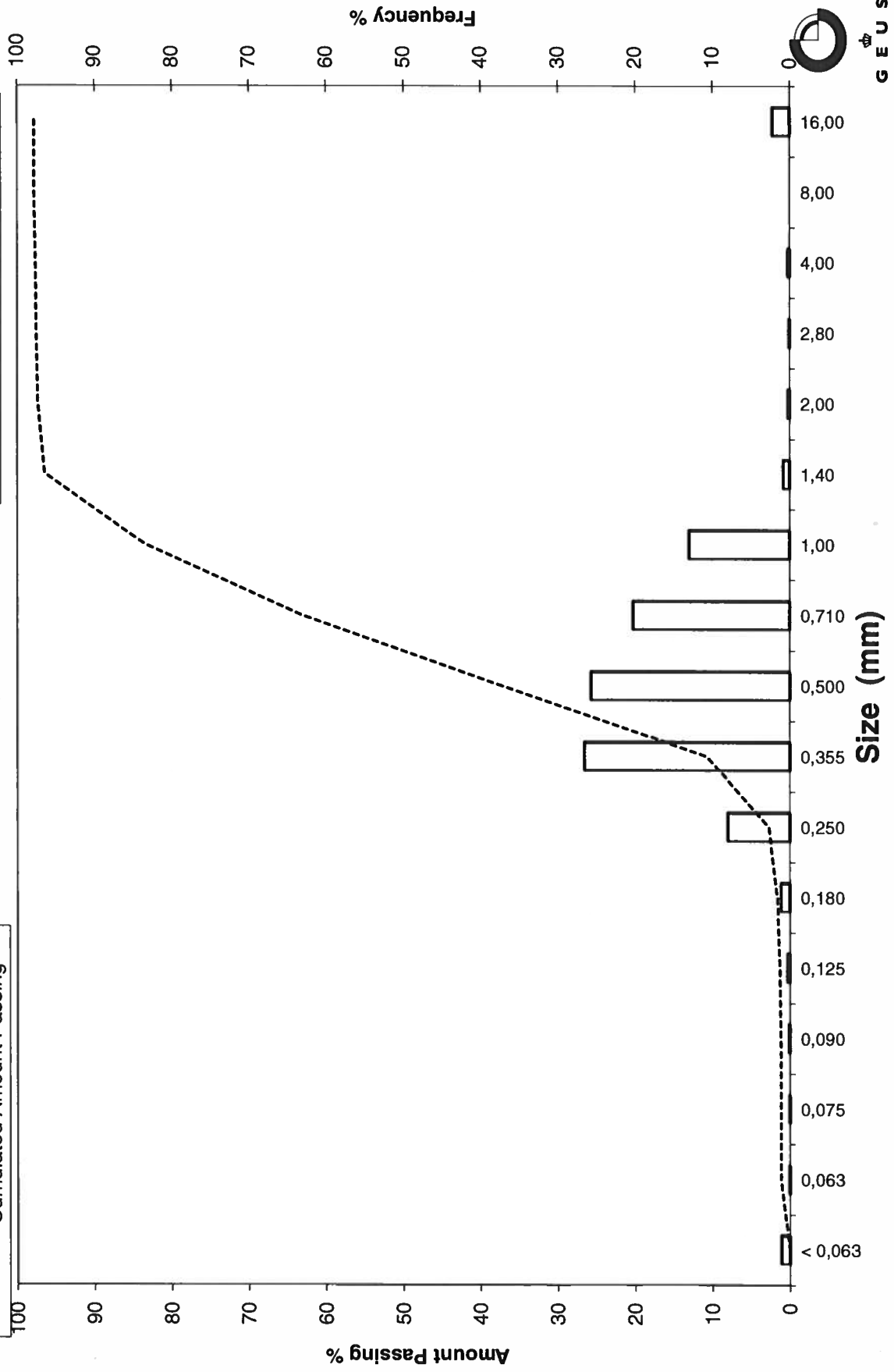
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 14, 0-500

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 15, 0-200
Lab. Id: 200799
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm består af skaller



Total Weight 100,64 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,02	99,98
2,00	-1,00	0,05	0,05	99,93
1,40	-0,49	0,66	0,66	99,27
1,00	0,00	2,58	2,56	96,71
0,710	0,49	5,56	5,52	91,19
0,500	1,00	11,74	11,67	79,52
0,355	1,49	12,42	12,34	67,18
0,250	2,00	20,94	20,81	46,37
0,180	2,47	20,95	20,82	25,56
0,125	3,00	19,15	19,03	6,53
0,090	3,47	3,72	3,70	2,83
0,075	3,74	0,61	0,61	2,23
0,063	3,99	0,21	0,21	2,02
< 0,063	> 3,99	2,03	2,02	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,02
Sand, fine (0,063 mm - 0,200 mm):	29,49
Sand, medium (0,2 mm - 0,6 mm):	53,57
Sand, coarse (0,6 mm - 2 mm):	14,85
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%	0,91	0,14
16%	84%	0,58	0,78
25%	75%	0,45	1,16
40%	60%	0,32	1,65
Median 50%	50%	0,27	1,90
75%	25%	0,18	2,49
84%	16%	0,15	2,71
90%	10%	0,14	2,89
95%	5%	0,11	3,18

Moments Statistics

Mean	1,80
Sorting	0,94
Skewness	-0,16
Kurtosis	0,94
Uniformity Coefficient	2,36

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

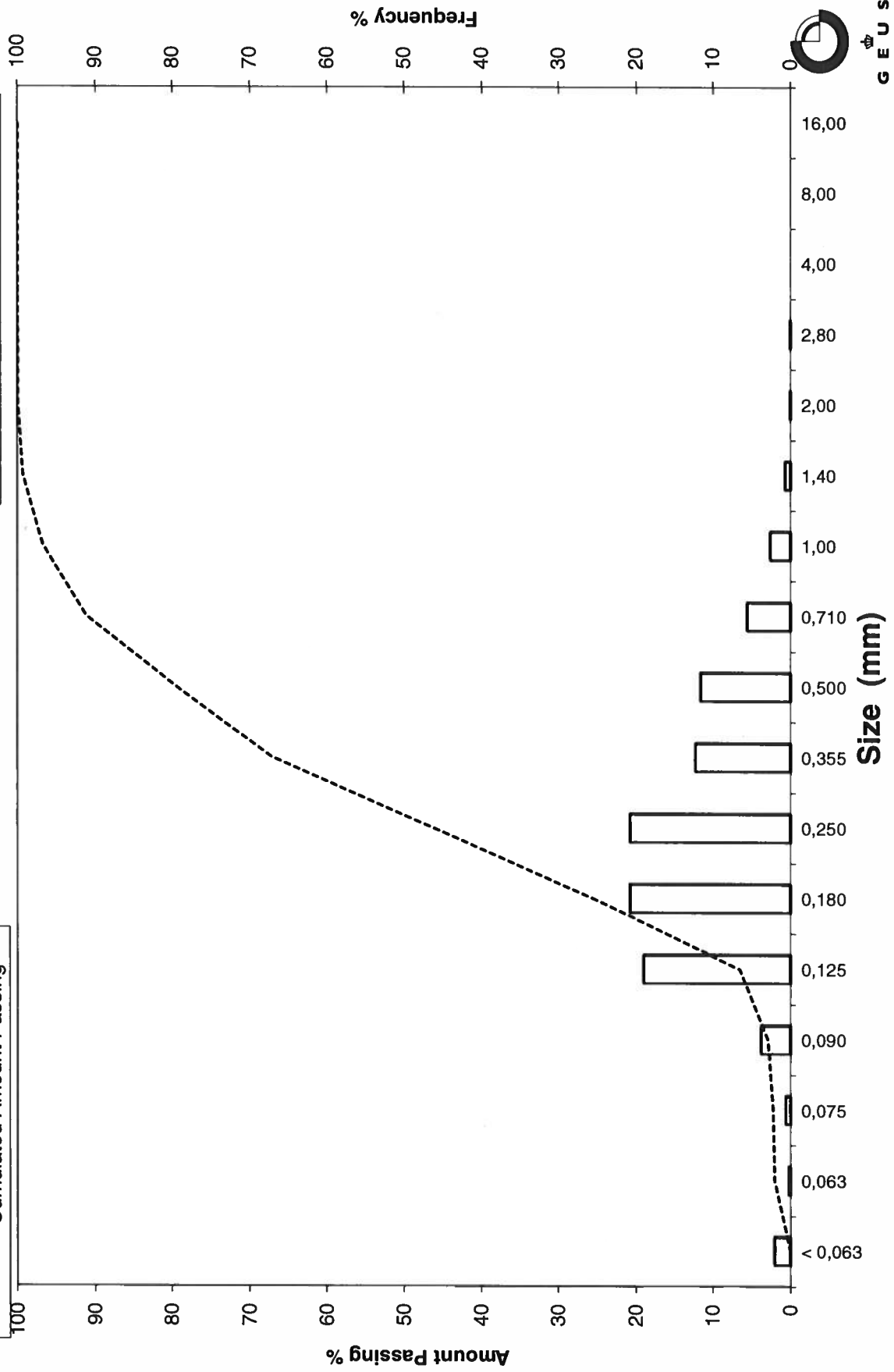
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 15, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 21, 0-150
Lab. Id: 200800
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm heraf 0,4g skaller



Total Weight 96,12 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,30	0,31	99,69
2,80	-1,49	0,09	0,09	99,59
2,00	-1,00	0,15	0,16	99,44
1,40	-0,49	0,14	0,15	99,29
1,00	0,00	0,67	0,70	98,60
0,710	0,49	0,71	0,74	97,86
0,500	1,00	0,50	0,52	97,34
0,355	1,49	1,21	1,26	96,08
0,250	2,00	3,57	3,71	92,36
0,180	2,47	5,78	6,01	86,35
0,125	3,00	24,02	24,99	61,36
0,090	3,47	36,88	38,37	22,99
0,075	3,74	5,95	6,19	16,80
0,063	3,99	5,14	5,35	11,45
< 0,063	> 3,99	11,01	11,45	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	11,45
Sand, fine (0,063 mm - 0,200 mm):	76,61
Sand, medium (0,2 mm - 0,6 mm):	9,52
Sand, coarse (0,6 mm - 2 mm):	1,85
Gravel (> 2 mm):	0,56
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,32	1,62
16%	84%	0,17	2,52
25%	75%	0,16	2,69
40%	60%	0,12	3,01
Median 50%	50%	0,11	3,12
75%	25%	0,09	3,44
84%	16%	0,07	3,77
90%	10%	-----	-----
95%	5%	-----	-----

Moments Statistics

Mean	3,14
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

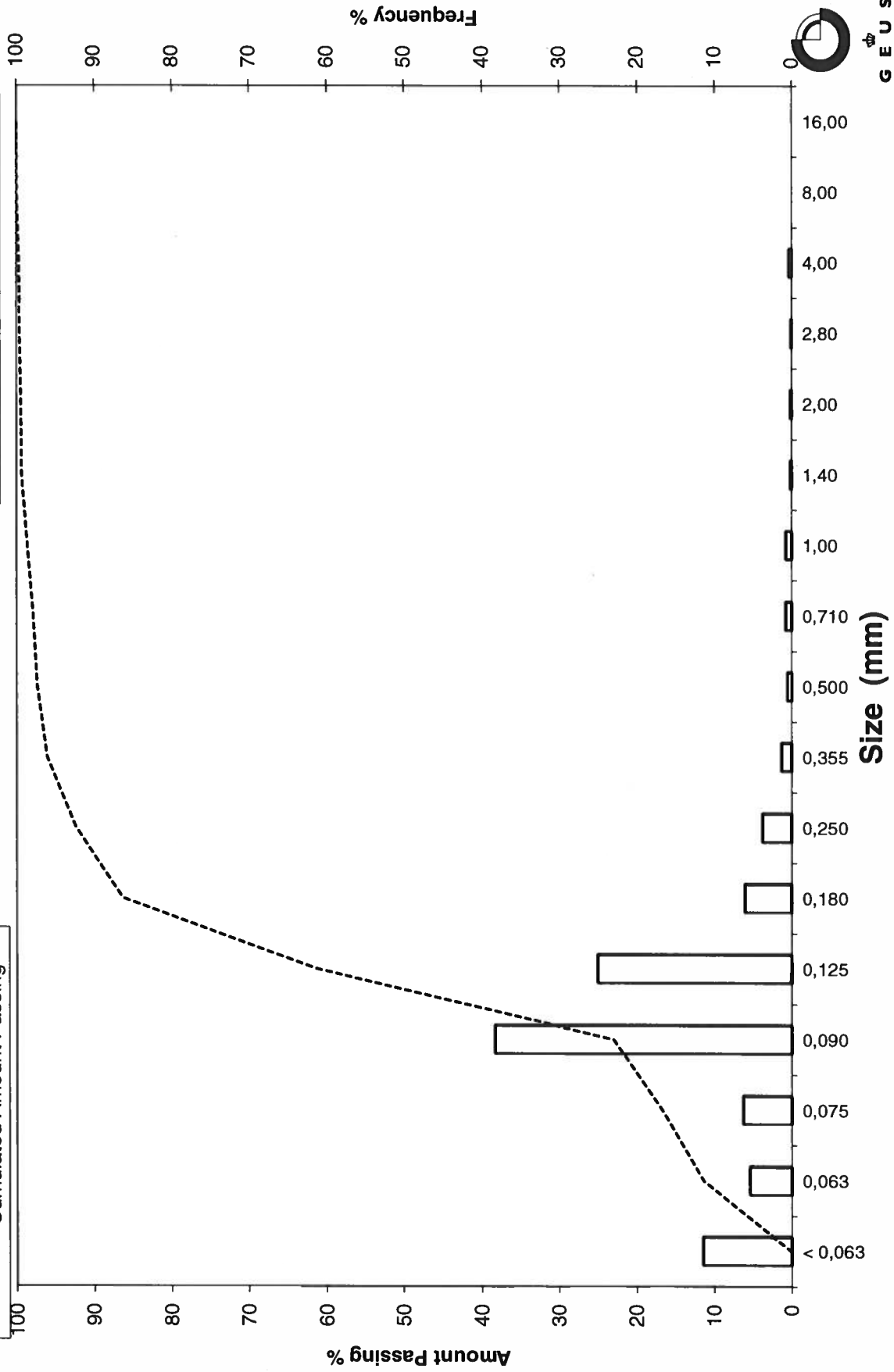
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 21, 0-150

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 23, 0-90
Lab. Id: 200801
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm består af skaller



Total Weight 96,5 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	0,25	0,26	99,74
4,00	-2,00	0,32	0,33	99,41
2,80	-1,49	0,17	0,18	99,23
2,00	-1,00	0,10	0,10	99,13
1,40	-0,49	0,18	0,19	98,94
1,00	0,00	0,45	0,47	98,48
0,710	0,49	1,71	1,77	96,70
0,500	1,00	0,93	0,96	95,74
0,355	1,49	1,13	1,17	94,57
0,250	2,00	3,90	4,04	90,53
0,180	2,47	9,71	10,06	80,47
0,125	3,00	39,70	41,14	39,33
0,090	3,47	20,04	20,77	18,56
0,075	3,74	4,59	4,76	13,80
0,063	3,99	3,83	3,97	9,83
< 0,063	> 3,99	9,49	9,83	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	9,83
Sand, fine (0,063 mm - 0,200 mm):	73,51
Sand, medium (0,2 mm - 0,6 mm):	12,86
Sand, coarse (0,6 mm - 2 mm):	2,93
Gravel (> 2 mm):	0,87
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%	0,20	2,29
25%	75%	0,17	2,53
40%	60%	0,15	2,71
Median 50%	50%	0,14	2,84
75%	25%	0,10	3,31
84%	16%	0,08	3,61
90%	10%	0,06	3,98
95%	5%	-----	-----

Moments Statistics

Mean	2,91
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	2,40

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

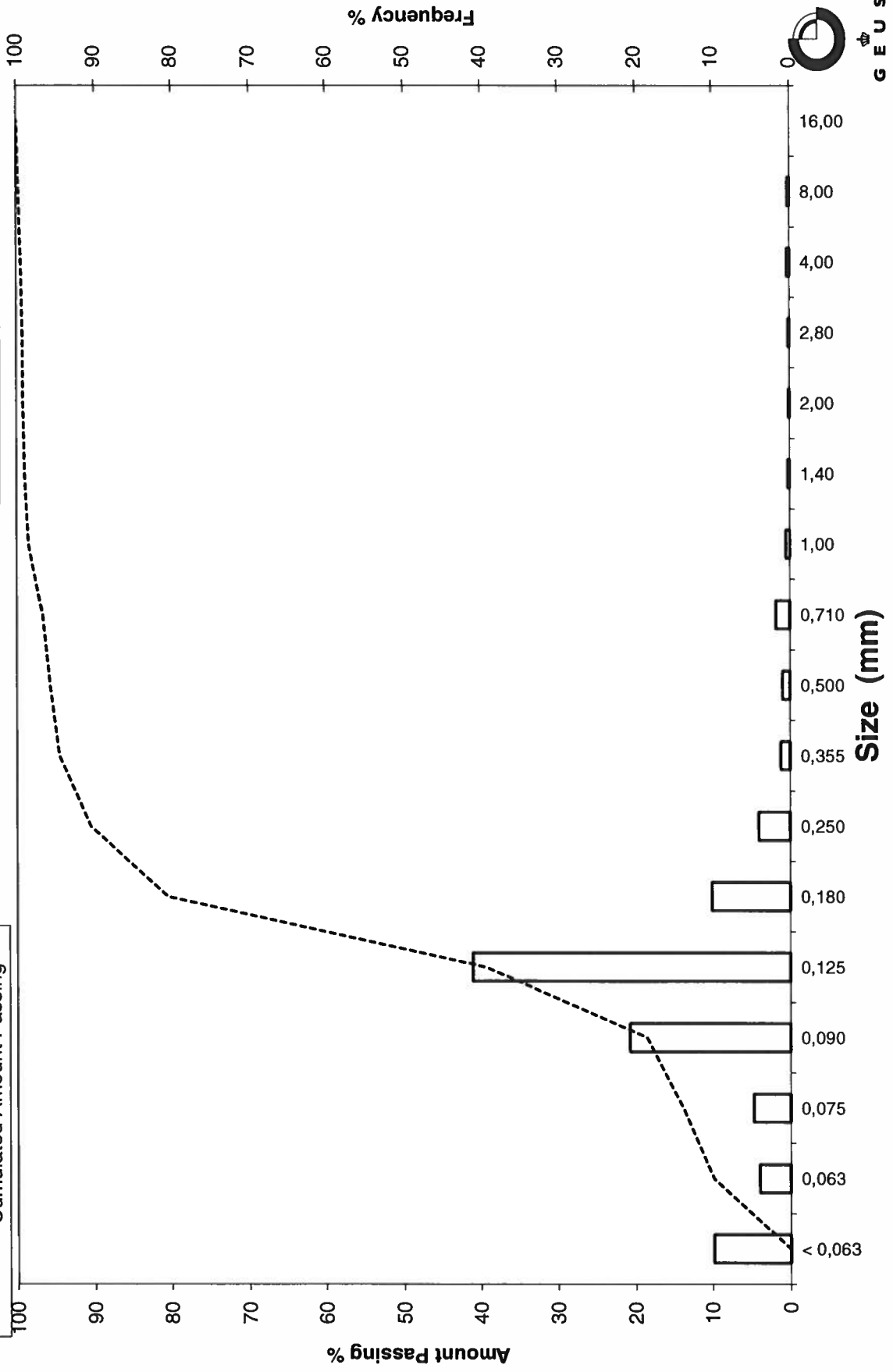
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 23, 0-90

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 25, 0-200
Lab. Id: 200802
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm består af skaller



Total Weight 97,21 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,01	0,01	99,99
2,00	-1,00	0,00	0,00	99,99
1,40	-0,49	0,02	0,02	99,97
1,00	0,00	0,08	0,08	99,89
0,710	0,49	0,06	0,06	99,83
0,500	1,00	0,10	0,10	99,72
0,355	1,49	0,55	0,57	99,16
0,250	2,00	3,90	4,01	95,14
0,180	2,47	16,20	16,66	78,48
0,125	3,00	43,64	44,89	33,59
0,090	3,47	24,09	24,78	8,81
0,075	3,74	2,94	3,02	5,78
0,063	3,99	1,53	1,57	4,21
< 0,063	> 3,99	4,09	4,21	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	4,21
Sand, fine (0,063 mm - 0,200 mm):	79,03
Sand, medium (0,2 mm - 0,6 mm):	16,53
Sand, coarse (0,6 mm - 2 mm):	0,22
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%	0,25	2,00
16%	84%	0,20	2,30
25%	75%	0,18	2,51
40%	60%	0,16	2,67
Median 50%	50%	0,15	2,78
75%	25%	0,11	3,15
84%	16%	0,10	3,32
90%	10%	0,09	3,45
95%	5%	0,07	3,86

Moments Statistics

Mean	2,80
Sorting	0,54
Skewness	0,10
Kurtosis	1,19
Uniformity Coefficient	1,72

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

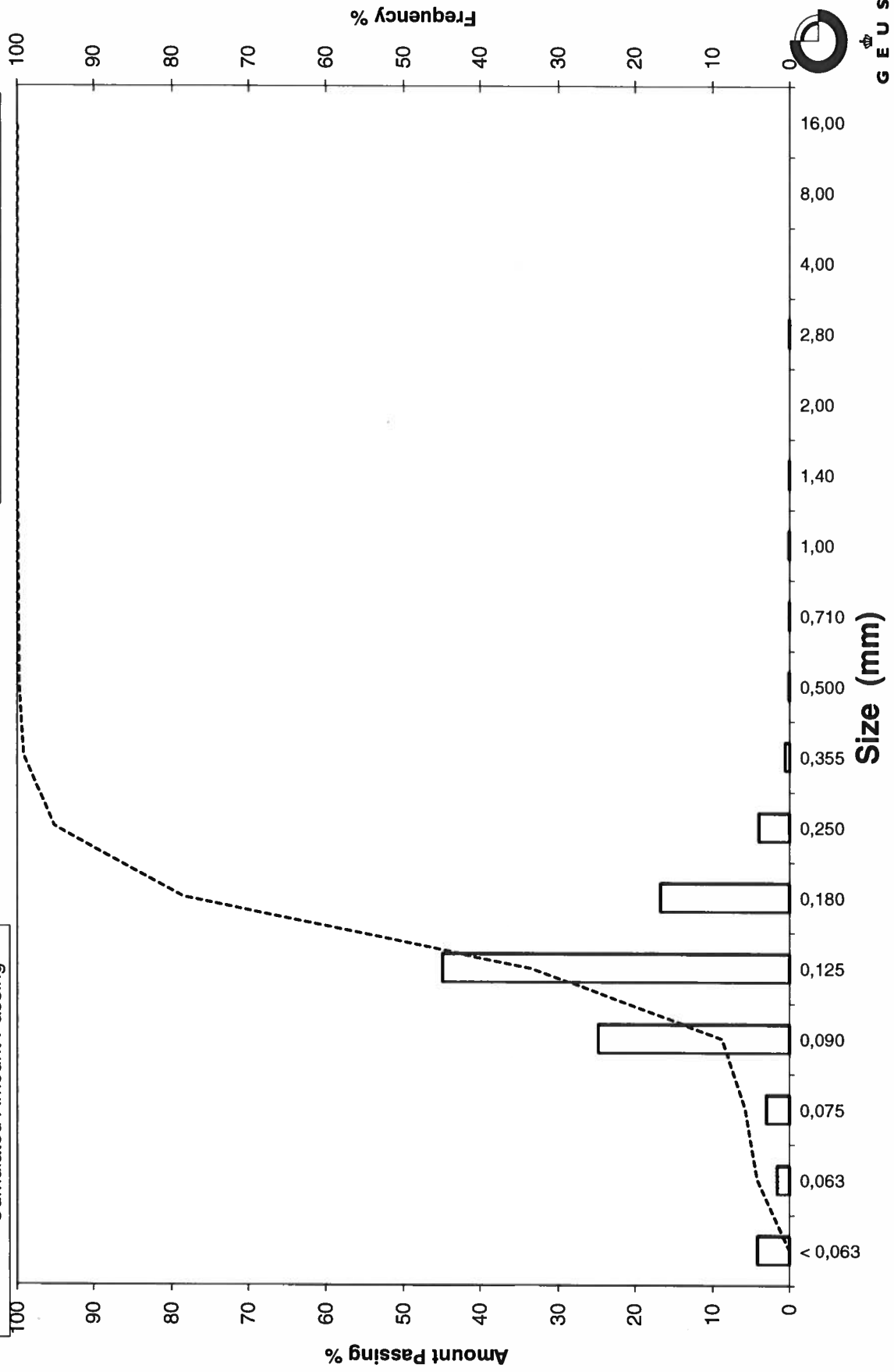
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 25, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 27, 0-150
Lab. Id: 200803
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1mm består af skaller



Total Weight 99,49 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	0,22	0,22	99,78
2,80	-1,49	0,13	0,13	99,65
2,00	-1,00	0,06	0,06	99,59
1,40	-0,49	0,05	0,05	99,54
1,00	0,00	0,06	0,06	99,48
0,710	0,49	0,14	0,14	99,34
0,500	1,00	0,74	0,74	98,59
0,355	1,49	2,80	2,81	95,78
0,250	2,00	6,08	6,11	89,67
0,180	2,47	11,75	11,81	77,86
0,125	3,00	54,13	54,41	23,45
0,090	3,47	14,55	14,62	8,83
0,075	3,74	1,86	1,87	6,96
0,063	3,99	0,90	0,90	6,05
< 0,063	> 3,99	6,02	6,05	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	6,05
Sand, fine (0,063 mm - 0,200 mm):	75,18
Sand, medium (0,2 mm - 0,6 mm):	17,72
Sand, coarse (0,6 mm - 2 mm):	0,64
Gravel (> 2 mm):	0,41
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,34	1,55
16%	84%	0,22	2,21
25%	75%	0,18	2,50
40%	60%	0,16	2,63
Median 50%	50%	0,15	2,72
75%	25%	0,13	2,98
84%	16%	0,11	3,22
90%	10%	0,09	3,43
95%	5%	-----	-----

Moments Statistics

Mean	2,72
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	1,74

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

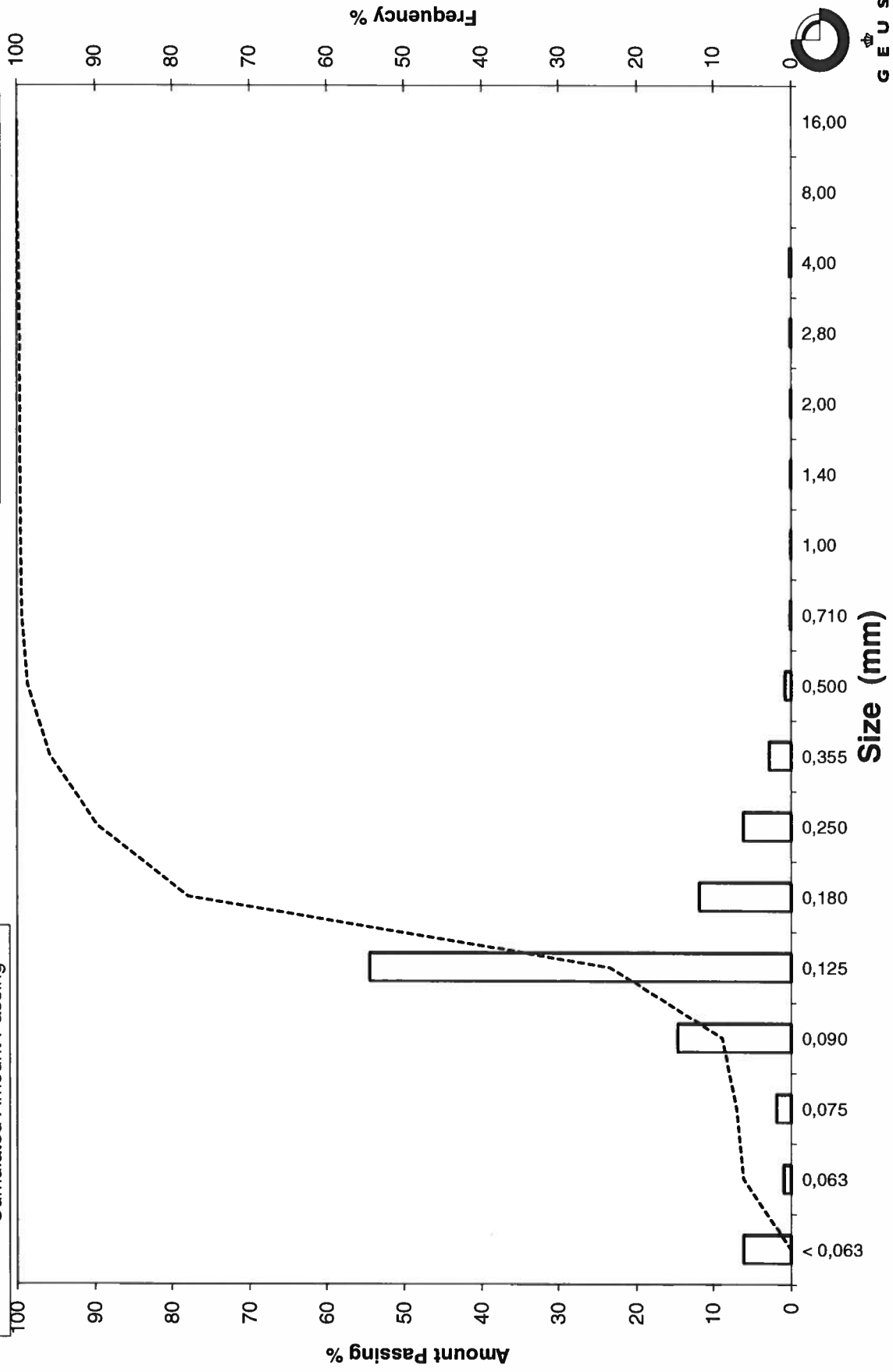
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 27, 0-150

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 28, 0-300
Lab. Id: 200804
Projekt MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm består af skaller



Total Weight 101,73 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	0,02	0,02	99,98
2,00	-1,00	0,10	0,10	99,88
1,40	-0,49	0,03	0,03	99,85
1,00	0,00	0,17	0,17	99,69
0,710	0,49	0,19	0,19	99,50
0,500	1,00	1,60	1,57	97,93
0,355	1,49	5,28	5,19	92,74
0,250	2,00	7,80	7,67	85,07
0,180	2,47	14,24	14,00	71,07
0,125	3,00	38,75	38,09	32,98
0,090	3,47	21,33	20,97	12,01
0,075	3,74	3,59	3,53	8,48
0,063	3,99	2,61	2,57	5,92
< 0,063	> 3,99	6,02	5,92	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,92
Sand, fine (0,063 mm - 0,200 mm):	69,15
Sand, medium (0,2 mm - 0,6 mm):	23,60
Sand, coarse (0,6 mm - 2 mm):	1,21
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%	0,42	1,26
16%	84%	0,24	2,03
25%	75%	0,20	2,32
40%	60%	0,16	2,61
Median 50%	50%	0,15	2,74
75%	25%	0,11	3,16
84%	16%	0,10	3,37
90%	10%	0,08	3,62
95%	5%	-----	-----

Moments Statistics

Mean	2,71
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	2,01

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

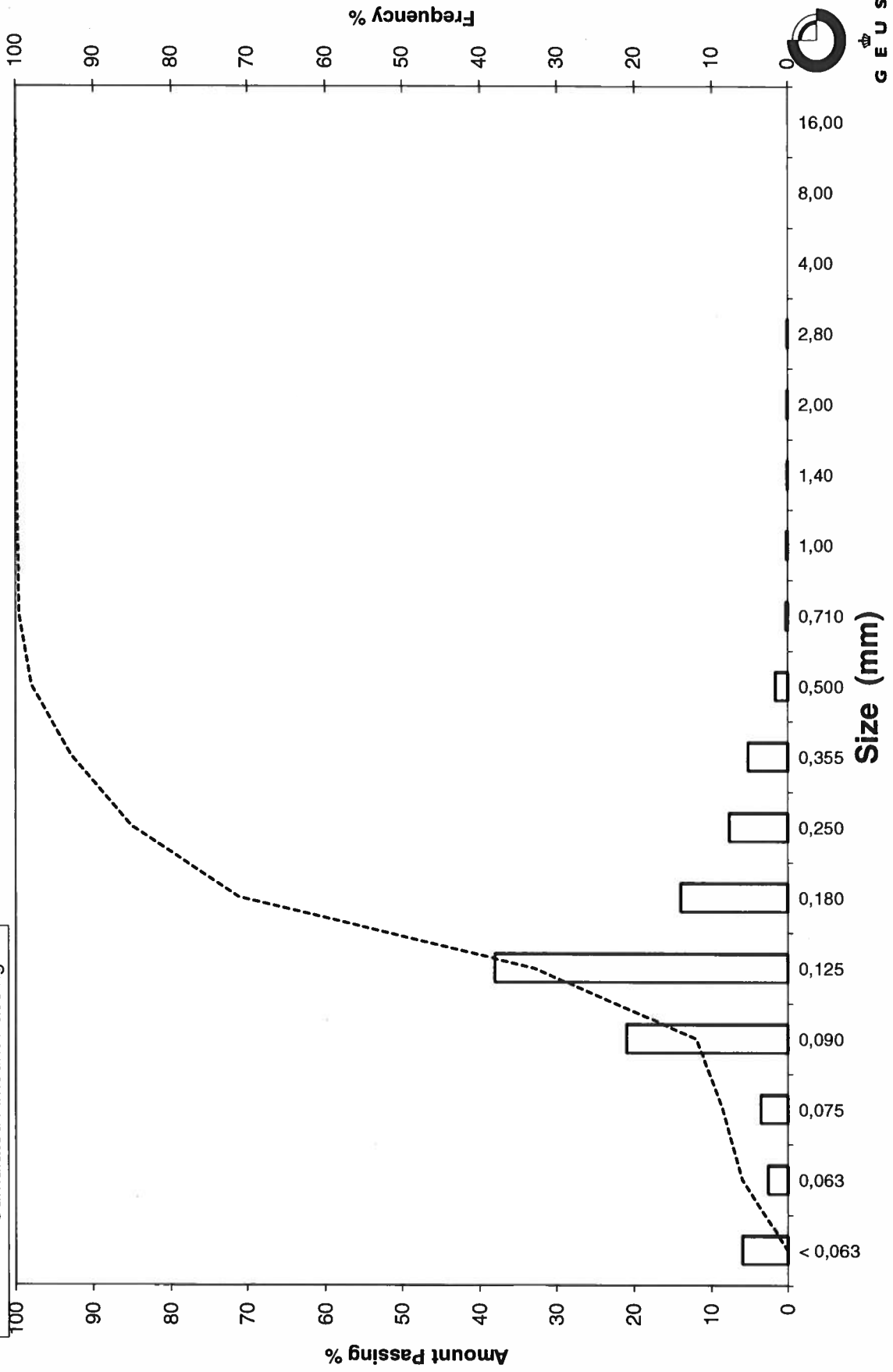
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 28, 0-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 29, 0-200
Lab. Id: 200805
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm består af skaller



Total Weight 104,53 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,09	0,09	99,91
4,00	-2,00	0,32	0,31	99,61
2,80	-1,49	0,14	0,13	99,47
2,00	-1,00	0,15	0,14	99,33
1,40	-0,49	0,11	0,11	99,23
1,00	0,00	0,27	0,26	98,97
0,710	0,49	0,49	0,47	98,50
0,500	1,00	1,58	1,51	96,99
0,355	1,49	7,19	6,88	90,11
0,250	2,00	15,35	14,68	75,42
0,180	2,47	20,81	19,91	55,52
0,125	3,00	43,59	41,70	13,81
0,090	3,47	9,48	9,07	4,75
0,075	3,74	1,29	1,23	3,51
0,063	3,99	0,81	0,77	2,74
< 0,063	> 3,99	2,86	2,74	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,74
Sand, fine (0,063 mm - 0,200 mm):	58,47
Sand, medium (0,2 mm - 0,6 mm):	36,50
Sand, coarse (0,6 mm - 2 mm):	1,62
Gravel (> 2 mm):	0,67
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,46	1,13
16%	84%	0,31	1,68
25%	75%	0,25	2,01
40%	60%	0,20	2,35
Median 50%	50%	0,17	2,53
75%	25%	0,14	2,84
84%	16%	0,13	2,97
90%	10%	0,11	3,18
95%	5%	0,09	3,46

Moments Statistics

Mean	2,39
Sorting	0,67
Skewness	-0,27
Kurtosis	1,15
Uniformity Coefficient	1,78

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

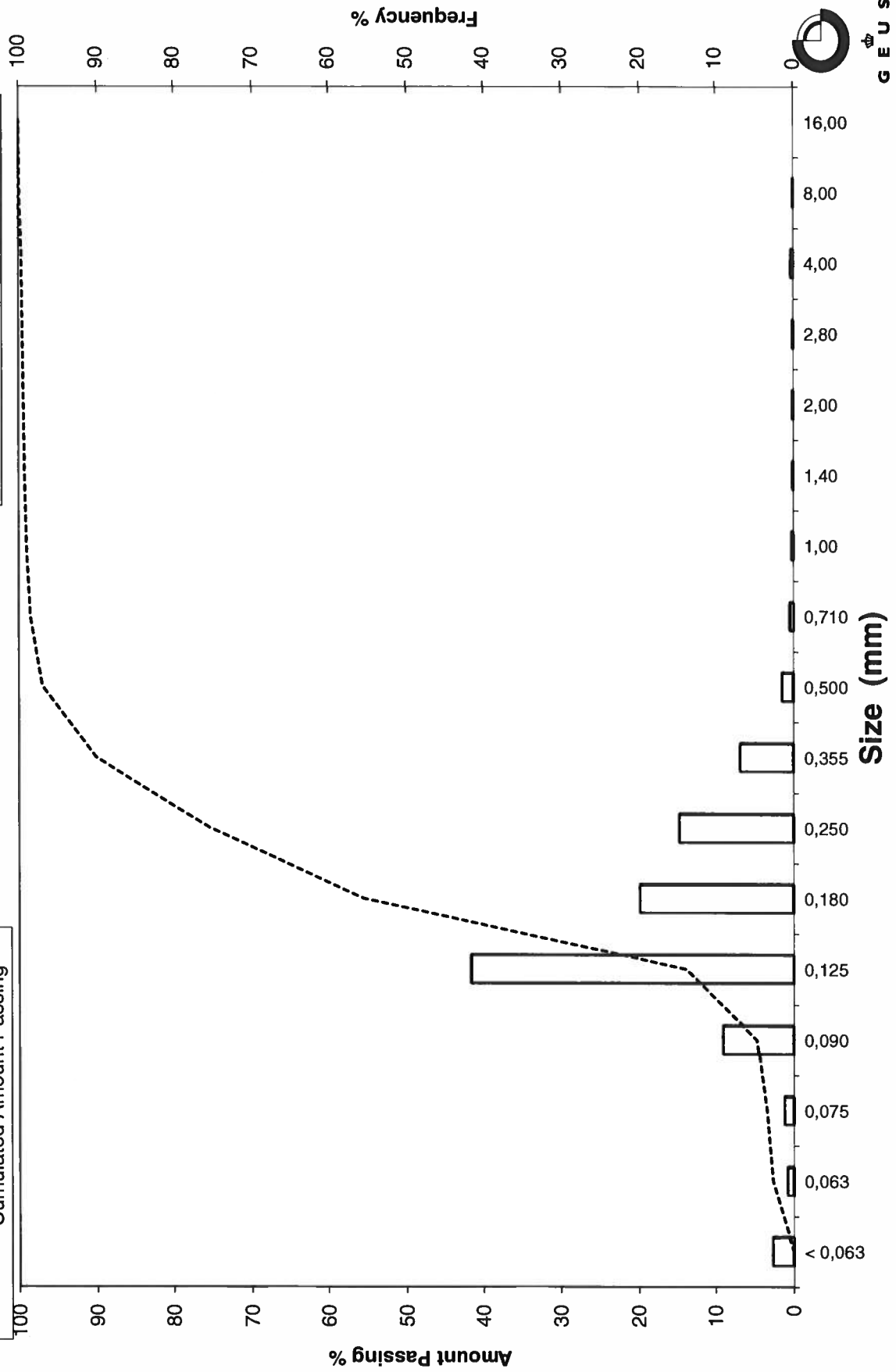
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 29, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 29, 250-500
Lab. Id: 200806
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 98,45 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,01	0,01	99,99
1,00	0,00	0,03	0,03	99,96
0,710	0,49	0,04	0,04	99,92
0,500	1,00	0,07	0,07	99,85
0,355	1,49	0,09	0,09	99,76
0,250	2,00	0,25	0,25	99,50
0,180	2,47	5,39	5,47	94,03
0,125	3,00	31,29	31,78	62,24
0,090	3,47	30,84	31,33	30,92
0,075	3,74	7,15	7,26	23,66
0,063	3,99	8,47	8,60	15,05
< 0,063	> 3,99	14,82	15,05	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	15,05
Sand, fine (0,063 mm - 0,200 mm):	80,54
Sand, medium (0,2 mm - 0,6 mm):	4,29
Sand, coarse (0,6 mm - 2 mm):	0,12
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,19	2,38
16%	84%	0,16	2,62
25%	75%	0,15	2,77
40%	60%	0,12	3,03
Median 50%	50%	0,11	3,17
75%	25%	0,08	3,68
84%	16%	0,06	3,96
90%	10%	-----	-----
95%	5%	-----	-----

Moments Statistics

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

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

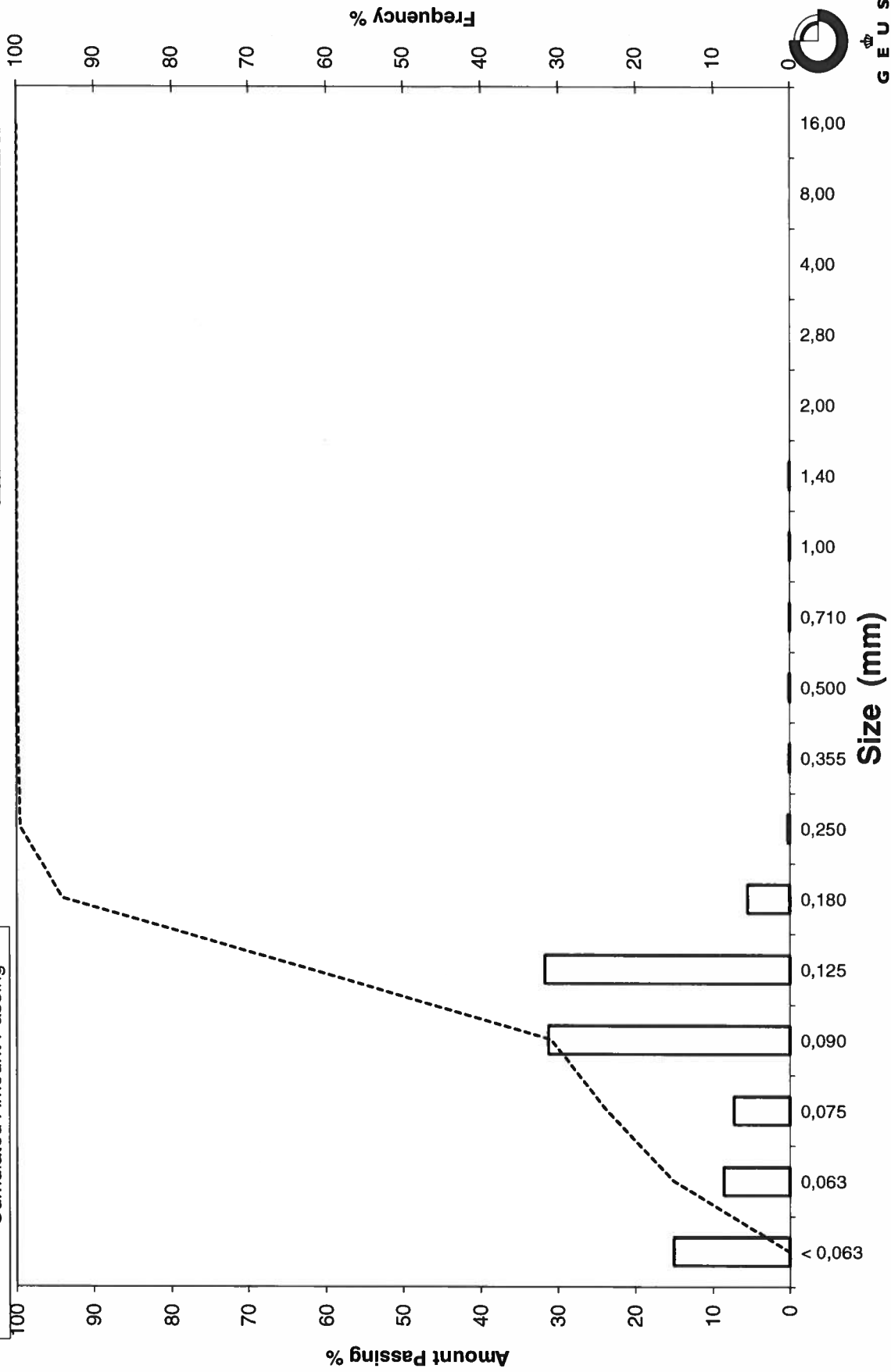
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 29, 250-500

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 30, 0-290
Lab. Id: 200807
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm heraf 0,5g skaller



Total Weight 109,81 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,09	0,08	99,92
4,00	-2,00	0,55	0,50	99,42
2,80	-1,49	2,18	1,99	97,43
2,00	-1,00	3,26	2,97	94,46
1,40	-0,49	6,47	5,89	88,57
1,00	0,00	11,21	10,21	78,36
0,710	0,49	6,88	6,27	72,10
0,500	1,00	4,32	3,93	68,16
0,355	1,49	6,87	6,26	61,91
0,250	2,00	13,90	12,66	49,25
0,180	2,47	19,44	17,70	31,55
0,125	3,00	22,56	20,54	11,00
0,090	3,47	7,64	6,96	4,04
0,075	3,74	1,02	0,93	3,11
0,063	3,99	0,53	0,48	2,63
< 0,063	> 3,99	2,89	2,63	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,63
Sand, fine (0,063 mm - 0,200 mm):	33,97
Sand, medium (0,2 mm - 0,6 mm):	33,43
Sand, coarse (0,6 mm - 2 mm):	24,43
Gravel (> 2 mm):	5,54
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	2,14	-1,10
16%	84%	1,22	-0,29
25%	75%	0,84	0,24
40%	60%	0,34	1,56
Median 50%	50%	0,26	1,96
75%	25%	0,16	2,62
84%	16%	0,14	2,85
90%	10%	0,12	3,06
95%	5%	0,09	3,40

Moments Statistics

Mean	1,51
Sorting	1,47
Skewness	-0,40
Kurtosis	0,78
Uniformity Coefficient	2,83

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

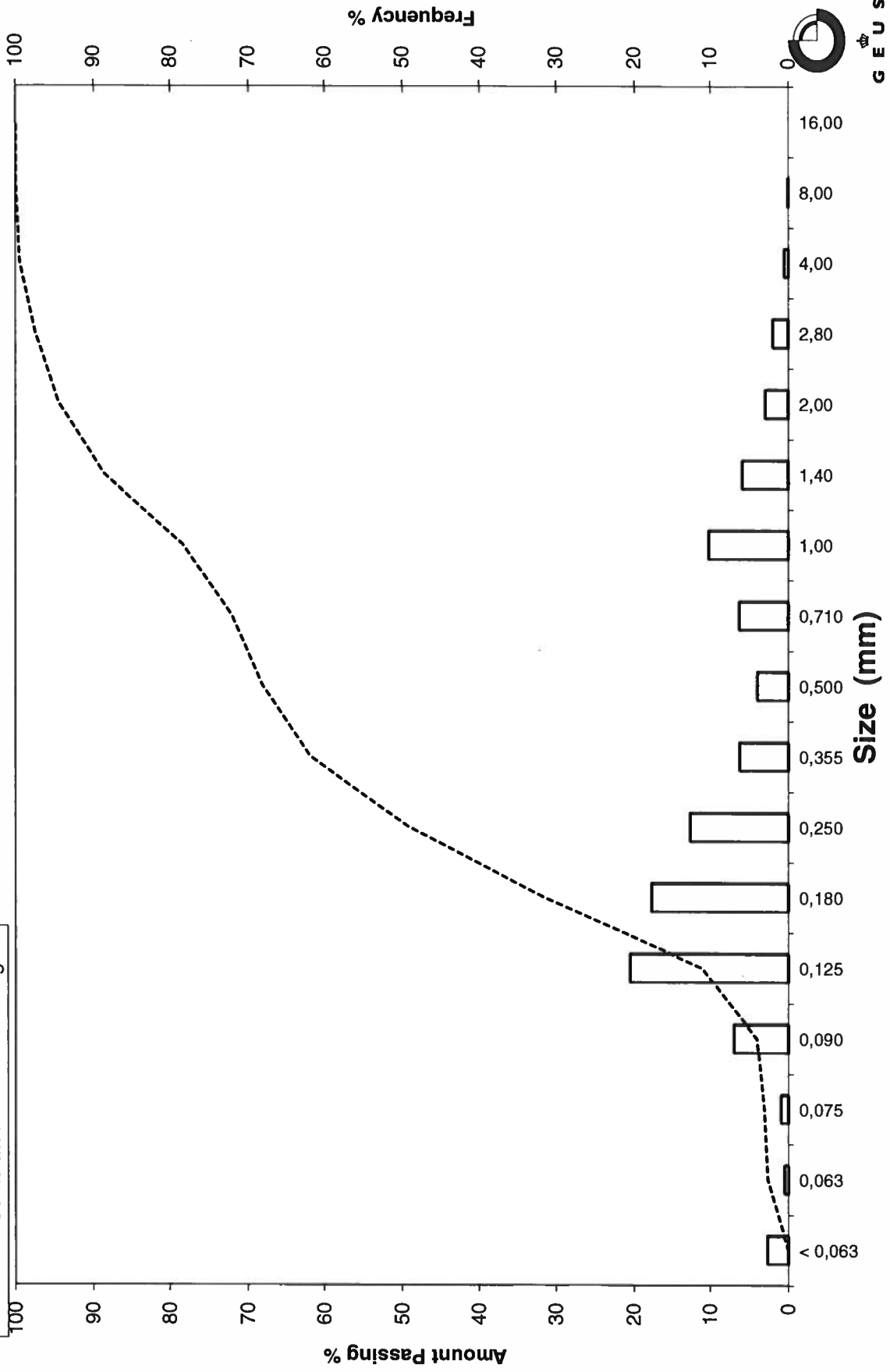
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 30, 0-290

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 32, 0-240
Lab. Id: 200808
Projekt: MST Råstøffkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm består af skaller



Total Weight 103,36 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,06	0,06	99,94
2,80	-1,49	0,10	0,10	99,85
2,00	-1,00	0,16	0,15	99,69
1,40	-0,49	0,14	0,14	99,55
1,00	0,00	0,37	0,36	99,20
0,710	0,49	0,49	0,47	98,72
0,500	1,00	1,91	1,85	96,88
0,355	1,49	6,32	6,11	90,76
0,250	2,00	16,13	15,61	75,15
0,180	2,47	23,84	23,07	52,09
0,125	3,00	35,58	34,42	17,67
0,090	3,47	11,84	11,46	6,21
0,075	3,74	1,74	1,68	4,53
0,063	3,99	0,87	0,84	3,69
< 0,063	> 3,99	3,81	3,69	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,69
Sand, fine (0,063 mm - 0,200 mm):	54,99
Sand, medium (0,2 mm - 0,6 mm):	39,08
Sand, coarse (0,6 mm - 2 mm):	1,94
Gravel (> 2 mm):	0,31
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,46	1,13
16%	84%	0,31	1,69
25%	75%	0,25	2,00
40%	60%	0,20	2,29
Median 50%	50%	0,18	2,50
75%	25%	0,14	2,87
84%	16%	0,12	3,06
90%	10%	0,10	3,30
95%	5%	0,08	3,66

Moments Statistics

Mean	2,42
Sorting	0,72
Skewness	-0,13
Kurtosis	1,19
Uniformity Coefficient	2,01

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

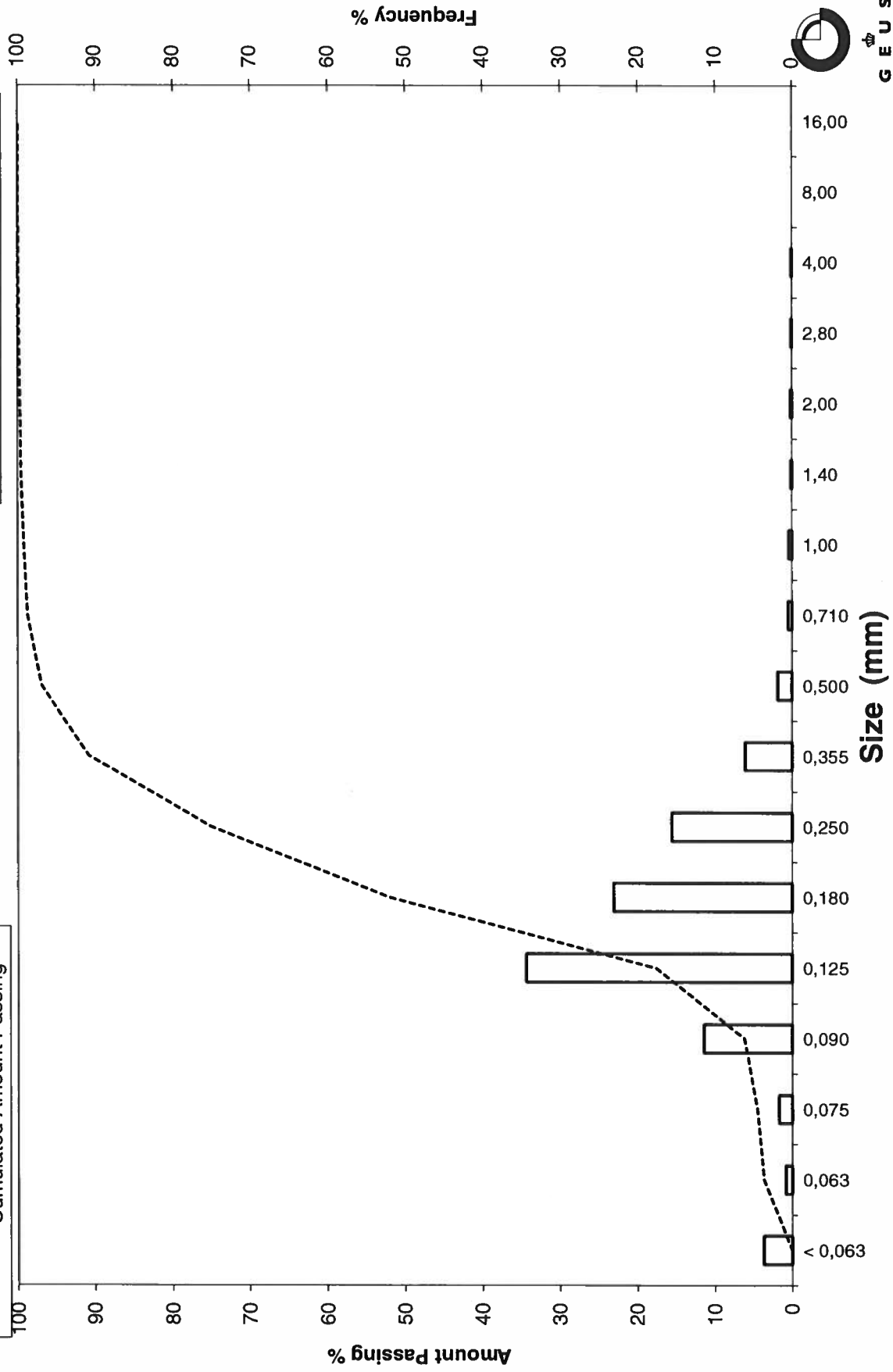
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 32, 0-240

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 33, 0-200
Lab. Id: 200809
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1mm består af skaller



Total Weight 96,23 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,02	99,98
2,00	-1,00	0,01	0,01	99,97
1,40	-0,49	0,00	0,00	99,97
1,00	0,00	0,01	0,01	99,96
0,710	0,49	0,03	0,03	99,93
0,500	1,00	0,15	0,16	99,77
0,355	1,49	0,82	0,85	98,92
0,250	2,00	2,80	2,91	96,01
0,180	2,47	8,38	8,71	87,30
0,125	3,00	37,71	39,19	48,11
0,090	3,47	31,48	32,71	15,40
0,075	3,74	6,08	6,32	9,08
0,063	3,99	3,44	3,57	5,51
< 0,063	> 3,99	5,30	5,51	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,51
Sand, fine (0,063 mm - 0,200 mm):	84,28
Sand, medium (0,2 mm - 0,6 mm):	10,06
Sand, coarse (0,6 mm - 2 mm):	0,12
Gravel (> 2 mm):	0,03
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,24	2,05
16%	84%	0,18	2,51
25%	75%	0,16	2,62
40%	60%	0,14	2,82
Median 50%	50%	0,13	2,97
75%	25%	0,10	3,32
84%	16%	0,09	3,46
90%	10%	0,08	3,70
95%	5%	-----	-----

Moments Statistics

Mean	2,98
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	1,84

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

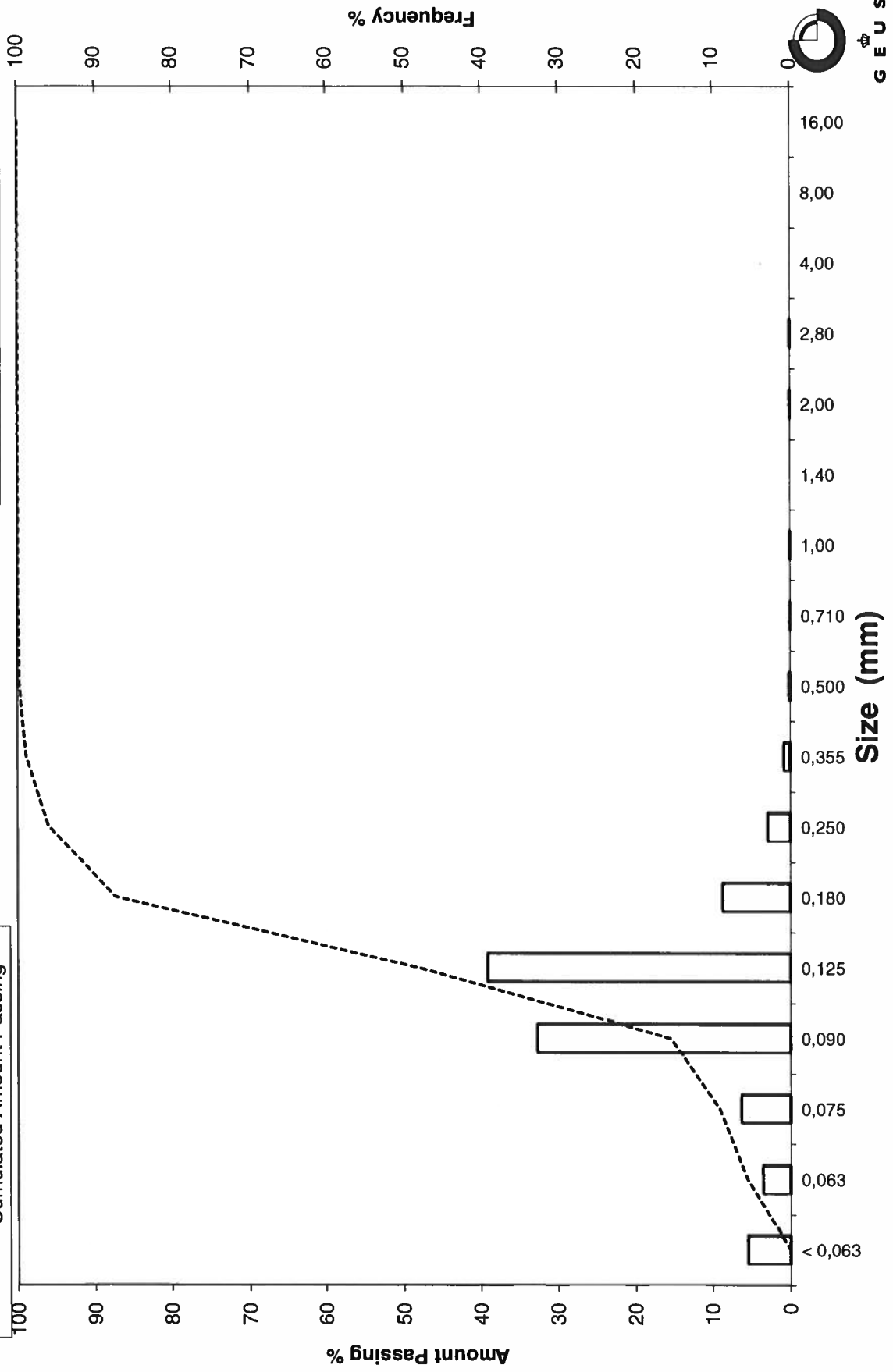
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 33, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 34, 0-150
Lab. Id: 200810
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 98,48 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	0,11	0,11	99,89
	2,80	-1,49	0,07	0,07	99,82
	2,00	-1,00	0,06	0,06	99,76
	1,40	-0,49	0,30	0,30	99,45
	1,00	0,00	0,94	0,95	98,50
	0,710	0,49	1,93	1,96	96,54
	0,500	1,00	5,61	5,70	90,84
	0,355	1,49	5,89	5,98	84,86
	0,250	2,00	8,97	9,11	75,75
	0,180	2,47	17,80	18,07	57,68
	0,125	3,00	31,36	31,84	25,83
	0,090	3,47	17,03	17,29	8,54
	0,075	3,74	2,50	2,54	6,00
	0,063	3,99	1,49	1,51	4,49
	< 0,063	> 3,99	4,42	4,49	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	4,49
Sand, fine (0,063 mm - 0,200 mm):	58,35
Sand, medium (0,2 mm - 0,6 mm):	30,71
Sand, coarse (0,6 mm - 2 mm):	6,20
Gravel (> 2 mm):	0,24
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,65	0,61
16%	84%	0,35	1,53
25%	75%	0,25	2,02
40%	60%	0,19	2,40
Median 50%	50%	0,17	2,58
75%	25%	0,12	3,02
84%	16%	0,11	3,25
90%	10%	0,09	3,43
95%	5%	0,07	3,90

Moments Statistics

Mean	2,46
Sorting	0,93
Skewness	-0,21
Kurtosis	1,34
Uniformity Coefficient	2,03

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)

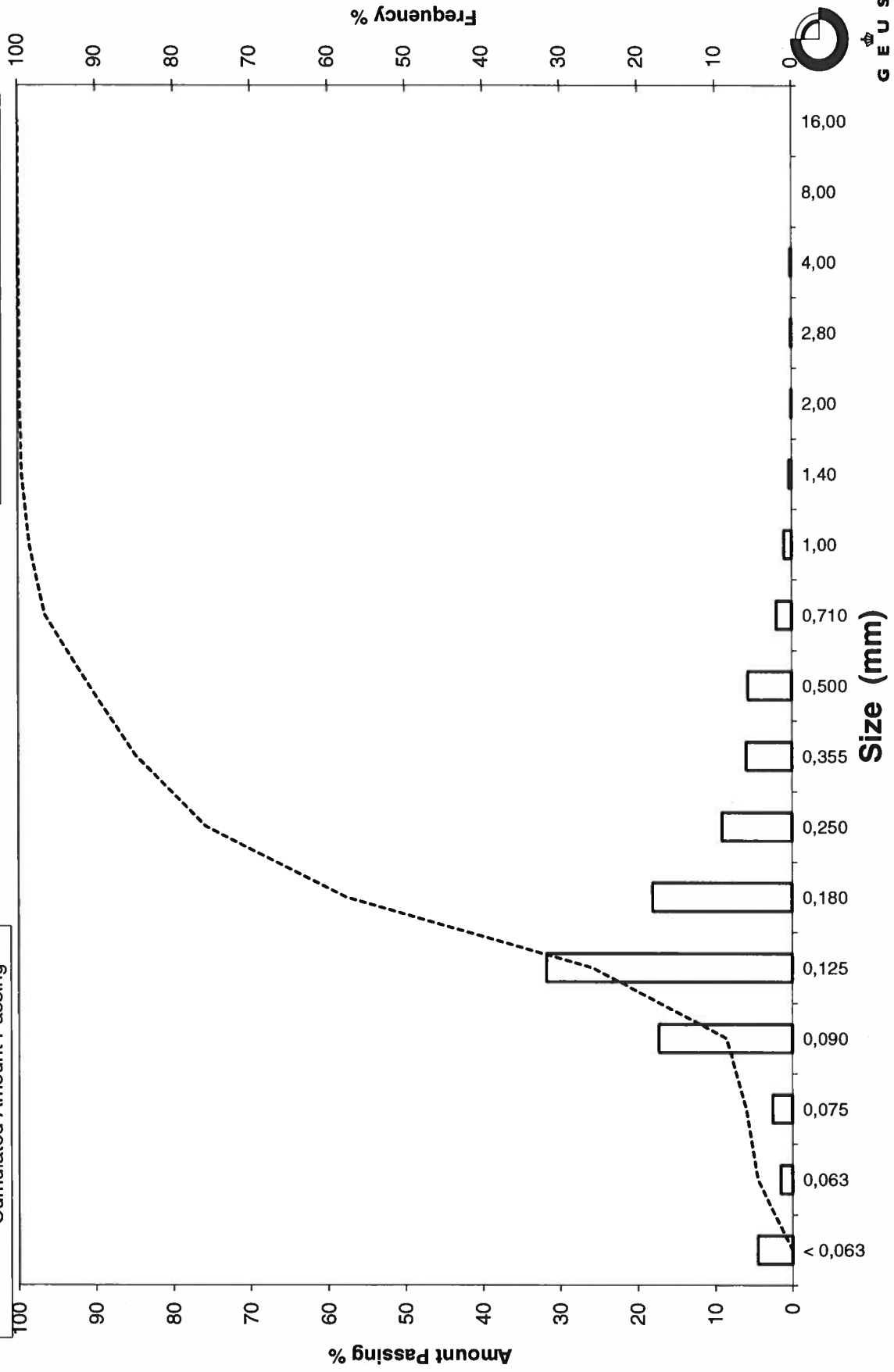
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 34, 0-150

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 35, 150-300
Lab. Id: 200811
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 99,94 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	0,01	0,01	99,99
1,40	-0,49	0,01	0,01	99,98
1,00	0,00	0,06	0,06	99,92
0,710	0,49	0,24	0,24	99,68
0,500	1,00	1,58	1,58	98,10
0,355	1,49	5,36	5,36	92,74
0,250	2,00	11,93	11,94	80,80
0,180	2,47	21,67	21,68	59,12
0,125	3,00	28,30	28,32	30,80
0,090	3,47	17,82	17,83	12,97
0,075	3,74	4,05	4,05	8,92
0,063	3,99	2,33	2,33	6,58
< 0,063	> 3,99	6,58	6,58	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	6,58
Sand, fine (0,063 mm - 0,200 mm):	58,73
Sand, medium (0,2 mm - 0,6 mm):	33,54
Sand, coarse (0,6 mm - 2 mm):	1,14
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%	0,42	1,26
16%	84%	0,28	1,85
25%	75%	0,23	2,11
40%	60%	0,18	2,45
Median 50%	50%	0,16	2,62
75%	25%	0,11	3,14
84%	16%	0,10	3,38
90%	10%	0,08	3,66
95%	5%	-----	-----

Moments Statistics

Mean	2,62
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	2,31

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

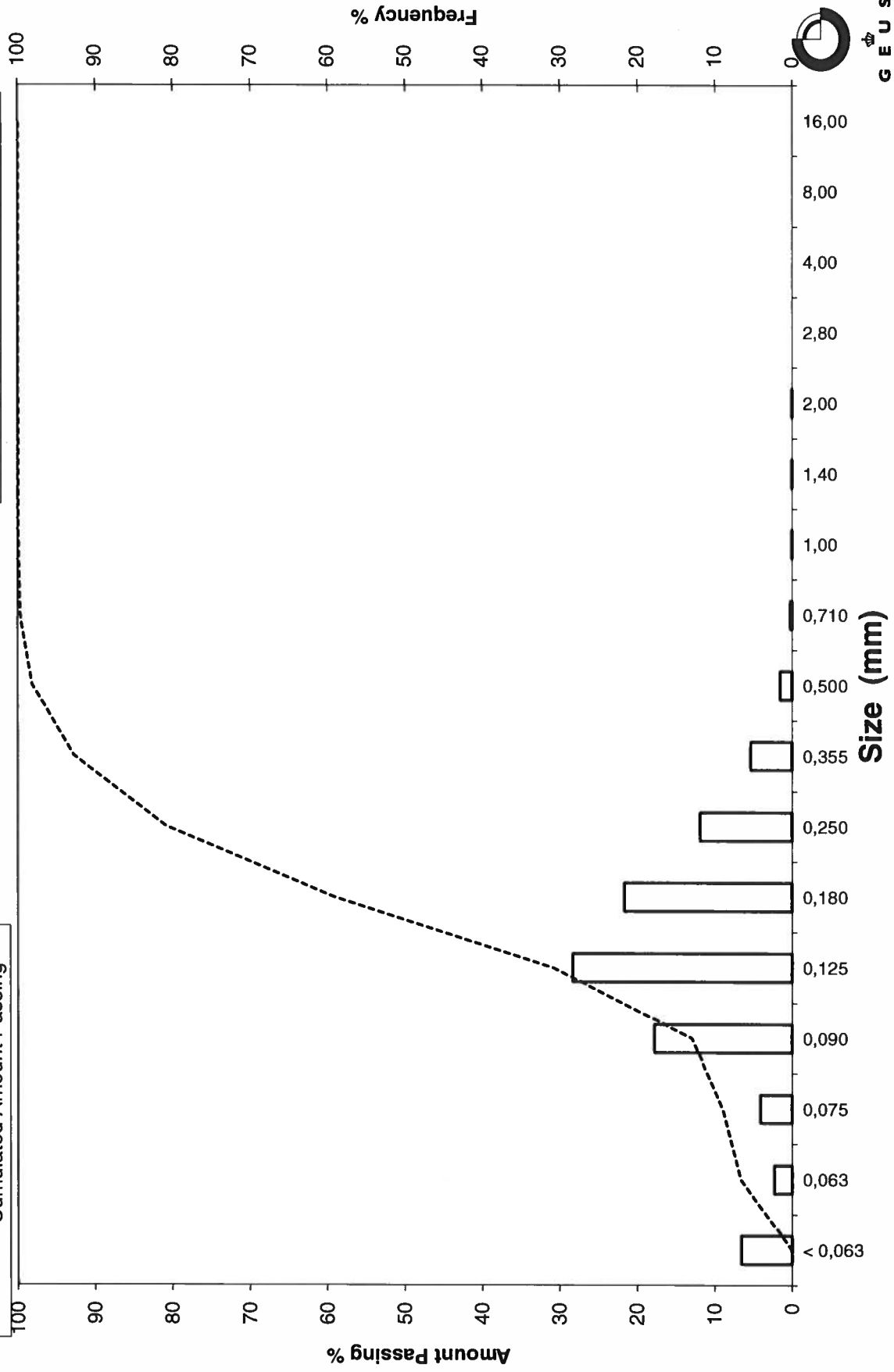
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 35, 150-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 36, 0-150
Lab. Id: 200812
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm består af skaller



Total Weight 99,66 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,02	0,02	99,98
2,80	-1,49	0,02	0,02	99,96
2,00	-1,00	0,01	0,01	99,95
1,40	-0,49	0,03	0,03	99,92
1,00	0,00	0,09	0,09	99,83
0,710	0,49	0,10	0,10	99,73
0,500	1,00	0,27	0,27	99,46
0,355	1,49	0,59	0,59	98,87
0,250	2,00	2,73	2,74	96,13
0,180	2,47	14,22	14,27	81,86
0,125	3,00	46,02	46,18	35,68
0,090	3,47	24,02	24,10	11,58
0,075	3,74	3,96	3,97	7,61
0,063	3,99	2,58	2,59	5,02
< 0,063	> 3,99	5,00	5,02	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,02
Sand, fine (0,063 mm - 0,200 mm):	80,92
Sand, medium (0,2 mm - 0,6 mm):	13,65
Sand, coarse (0,6 mm - 2 mm):	0,36
Gravel (> 2 mm):	0,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,24	2,03
16%	84%	0,19	2,39
25%	75%	0,17	2,54
40%	60%	0,15	2,70
Median 50%	50%	0,14	2,82
75%	25%	0,11	3,19
84%	16%	0,10	3,37
90%	10%	0,08	3,57
95%	5%	-----	-----

Moments Statistics

Mean	2,86
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	1,83

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

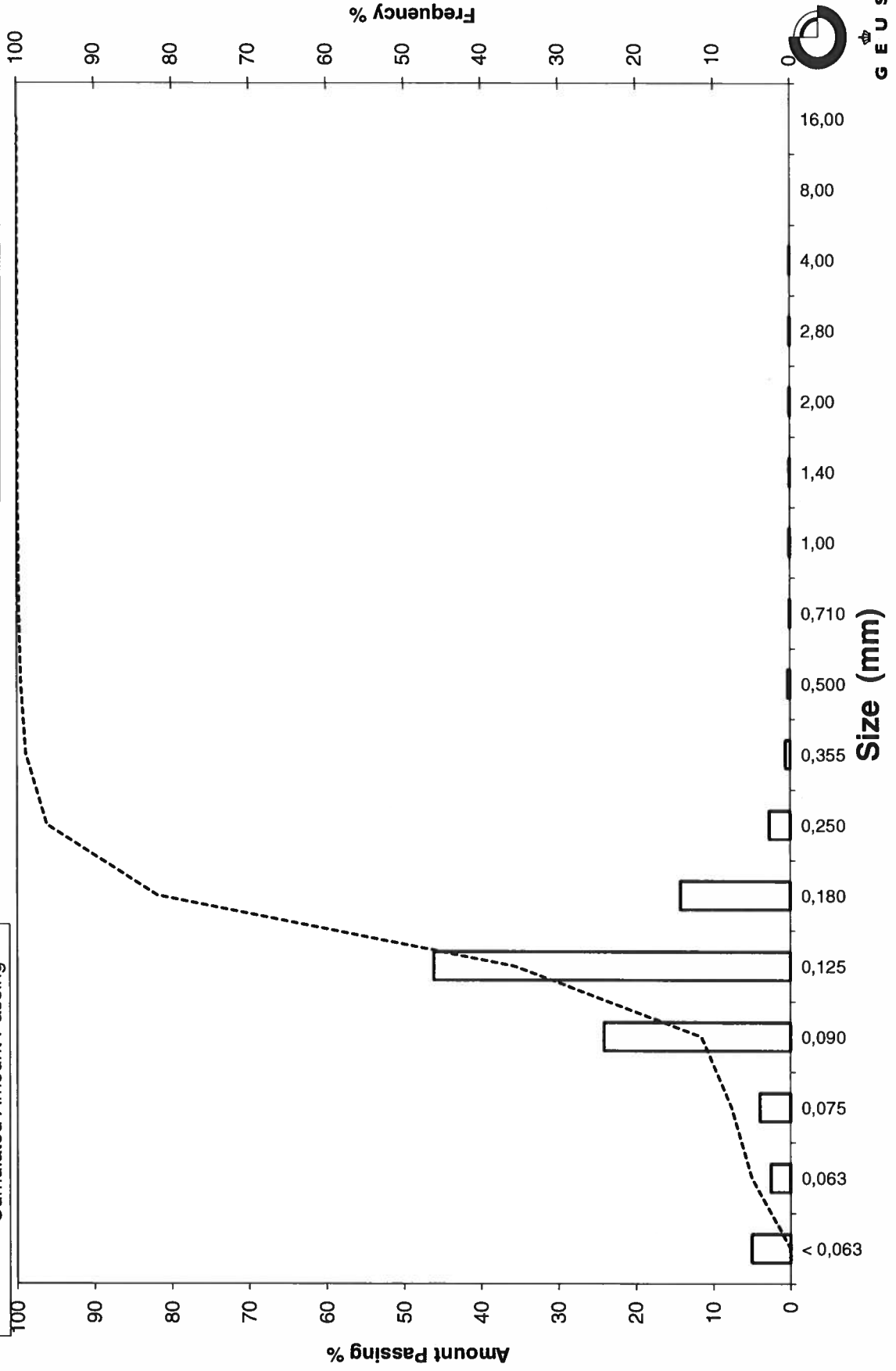
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 36, 0-150

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 36, 200-300
Lab. Id: 200813
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm består af skaller



Total Weight 99,18 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	0,13	0,13	99,87
4,00	-2,00	0,00	0,00	99,87
2,80	-1,49	0,01	0,01	99,86
2,00	-1,00	0,02	0,02	99,84
1,40	-0,49	0,03	0,03	99,81
1,00	0,00	0,11	0,11	99,70
0,710	0,49	0,14	0,14	99,56
0,500	1,00	0,40	0,40	99,15
0,355	1,49	0,84	0,85	98,31
0,250	2,00	2,88	2,90	95,40
0,180	2,47	18,48	18,63	76,77
0,125	3,00	40,46	40,79	35,97
0,090	3,47	25,04	25,25	10,73
0,075	3,74	4,02	4,05	6,67
0,063	3,99	2,15	2,17	4,51
< 0,063	> 3,99	4,47	4,51	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	4,51
Sand, fine (0,063 mm - 0,200 mm):	77,59
Sand, medium (0,2 mm - 0,6 mm):	17,25
Sand, coarse (0,6 mm - 2 mm):	0,49
Gravel (> 2 mm):	0,16
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,25	2,01
16%	84%	0,21	2,27
25%	75%	0,18	2,49
40%	60%	0,16	2,67
Median 50%	50%	0,14	2,80
75%	25%	0,11	3,19
84%	16%	0,10	3,36
90%	10%	0,09	3,52
95%	5%	0,07	3,93

Moments Statistics

Mean	2,81
Sorting	0,56
Skewness	0,11
Kurtosis	1,13
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)

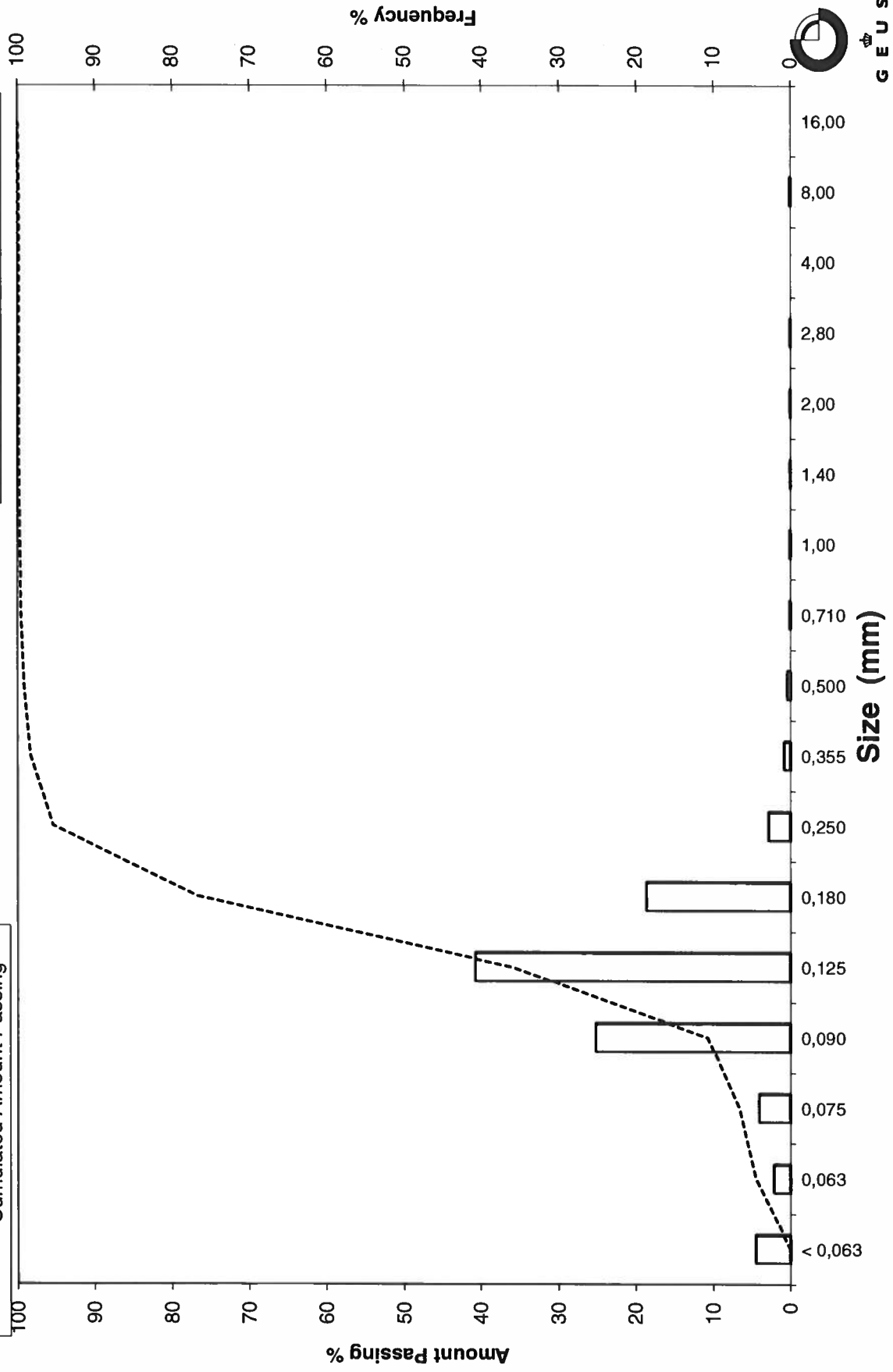
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 36, 200-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 39, 0-500
Lab. Id: 200814
Projekt: MST Råstofkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm består af skaller



Total Weight 99,24 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,02	99,98
2,00	-1,00	0,01	0,01	99,97
1,40	-0,49	0,01	0,01	99,96
1,00	0,00	0,02	0,02	99,94
0,710	0,49	0,07	0,07	99,87
0,500	1,00	0,53	0,53	99,33
0,355	1,49	2,37	2,39	96,95
0,250	2,00	8,72	8,79	88,16
0,180	2,47	20,17	20,32	67,84
0,125	3,00	32,95	33,20	34,63
0,090	3,47	20,09	20,24	14,39
0,075	3,74	5,27	5,31	9,08
0,063	3,99	3,38	3,41	5,67
< 0,063	> 3,99	5,63	5,67	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,67
Sand, fine (0,063 mm - 0,200 mm):	67,97
Sand, medium (0,2 mm - 0,6 mm):	25,95
Sand, coarse (0,6 mm - 2 mm):	0,38
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	1,59
16%	84%	0,24	2,09
25%	75%	0,20	2,29
40%	60%	0,17	2,58
Median 50%	50%	0,15	2,73
75%	25%	0,11	3,21
84%	16%	0,09	3,43
90%	10%	0,08	3,69
95%	5%	-----	-----

Moments Statistics

Mean	2,75
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	2,15

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

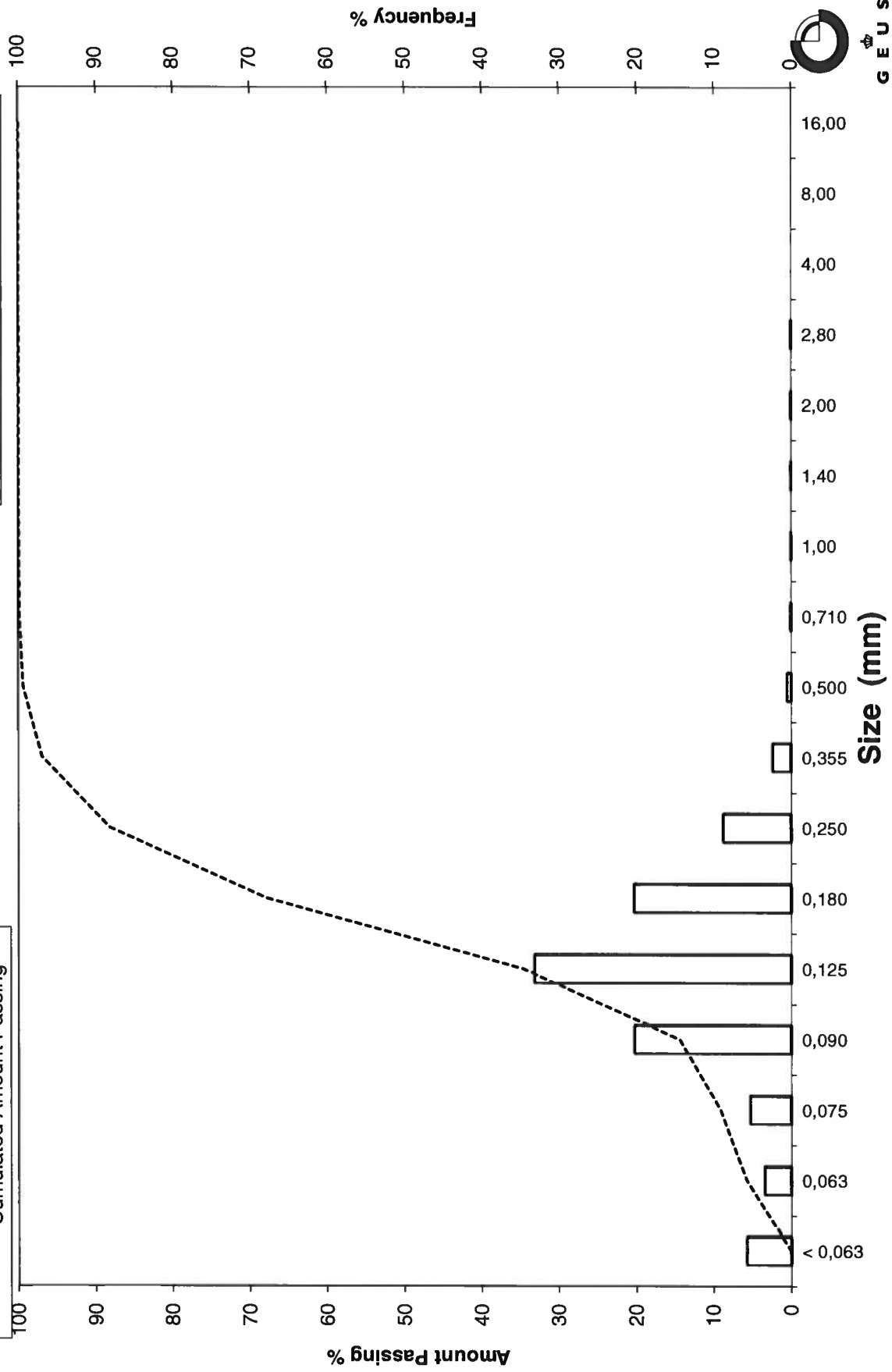
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 39, 0-500

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 41, 0-400
Lab. Id: 200815
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 104,09 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,27	0,26	99,74
2,80	-1,49	0,26	0,25	99,49
2,00	-1,00	0,47	0,45	99,04
1,40	-0,49	0,54	0,52	98,52
1,00	0,00	1,99	1,91	96,61
0,710	0,49	2,94	2,82	93,78
0,500	1,00	6,17	5,93	87,86
0,355	1,49	32,14	30,88	56,98
0,250	2,00	26,04	25,02	31,96
0,180	2,47	15,07	14,48	17,48
0,125	3,00	12,51	12,02	5,47
0,090	3,47	3,24	3,11	2,35
0,075	3,74	0,54	0,52	1,83
0,063	3,99	0,23	0,22	1,61
< 0,063	> 3,99	1,68	1,61	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,61
Sand, fine (0,063 mm - 0,200 mm):	20,01
Sand, medium (0,2 mm - 0,6 mm):	69,06
Sand, coarse (0,6 mm - 2 mm):	8,36
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%	0,83	0,26
16%	84%	0,48	1,05
25%	75%	0,44	1,19
40%	60%	0,37	1,44
Median 50%	50%	0,33	1,62
75%	25%	0,22	2,21
84%	16%	0,17	2,53
90%	10%	0,15	2,78
95%	5%	0,12	3,06

Moments Statistics

Mean	1,73
Sorting	0,79
Skewness	0,13
Kurtosis	1,12
Uniformity Coefficient	2,53

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

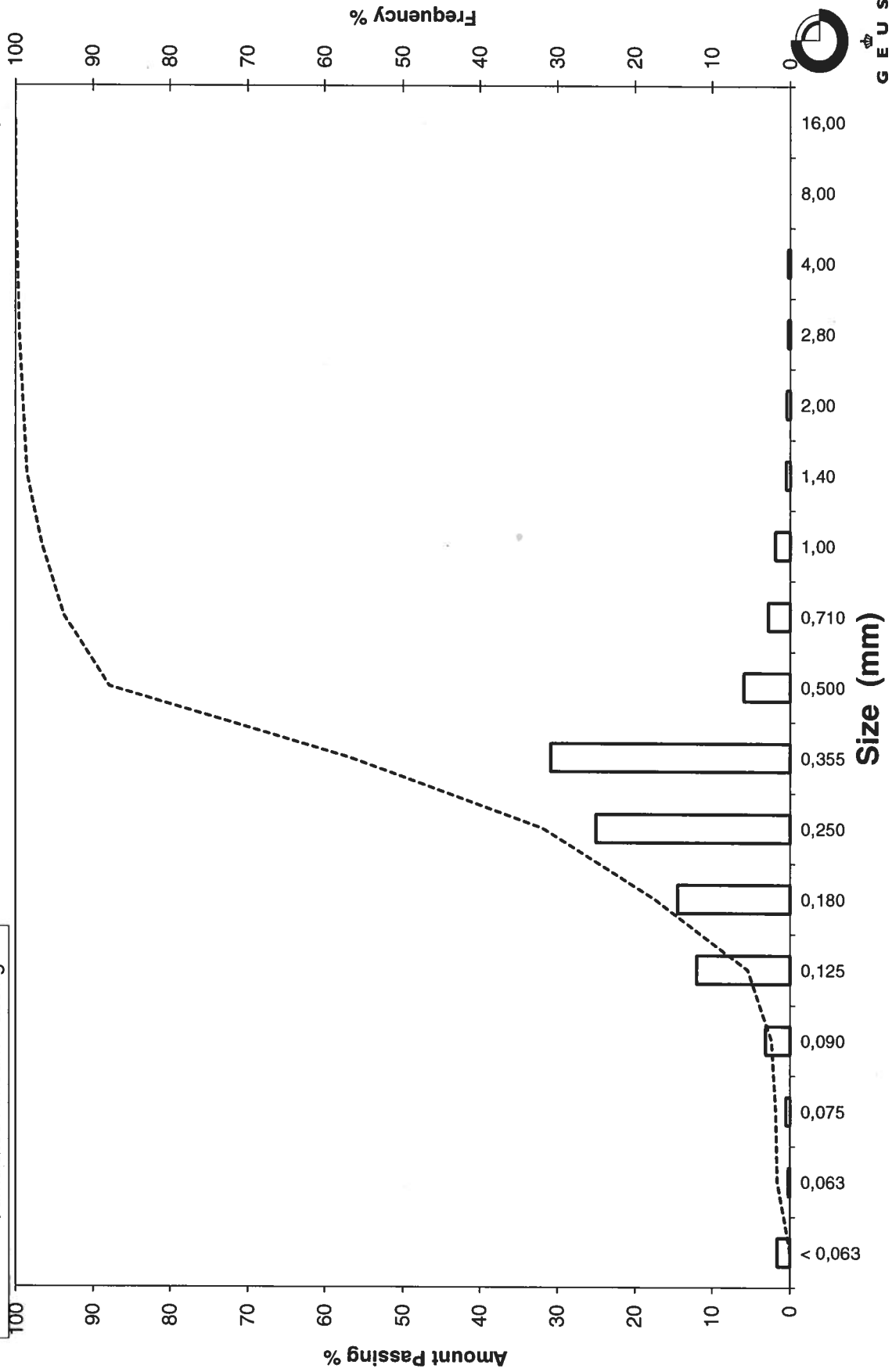
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 41, 0-400

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 43, 0-300
Lab. Id: 200816
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm består af skaller



Total Weight 102,34 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,30	0,29	99,71
2,80	-1,49	0,13	0,13	99,58
2,00	-1,00	0,07	0,07	99,51
1,40	-0,49	0,08	0,08	99,43
1,00	0,00	0,20	0,20	99,24
0,710	0,49	0,65	0,64	98,60
0,500	1,00	1,74	1,70	96,90
0,355	1,49	2,72	2,66	94,24
0,250	2,00	8,58	8,38	85,86
0,180	2,47	25,91	25,32	60,54
0,125	3,00	38,04	37,17	23,37
0,090	3,47	13,94	13,62	9,75
0,075	3,74	1,80	1,76	7,99
0,063	3,99	1,01	0,99	7,01
< 0,063	> 3,99	7,17	7,01	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	7,01
Sand, fine (0,063 mm - 0,200 mm):	60,77
Sand, medium (0,2 mm - 0,6 mm):	29,94
Sand, coarse (0,6 mm - 2 mm):	1,80
Gravel (> 2 mm):	0,49
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,40	1,34
16%	84%	0,24	2,03
25%	75%	0,22	2,18
40%	60%	0,18	2,48
Median 50%	50%	0,16	2,60
75%	25%	0,13	2,97
84%	16%	0,11	3,24
90%	10%	0,09	3,46
95%	5%	-----	-----

Moments Statistics

Mean	2,62
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	1,98

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

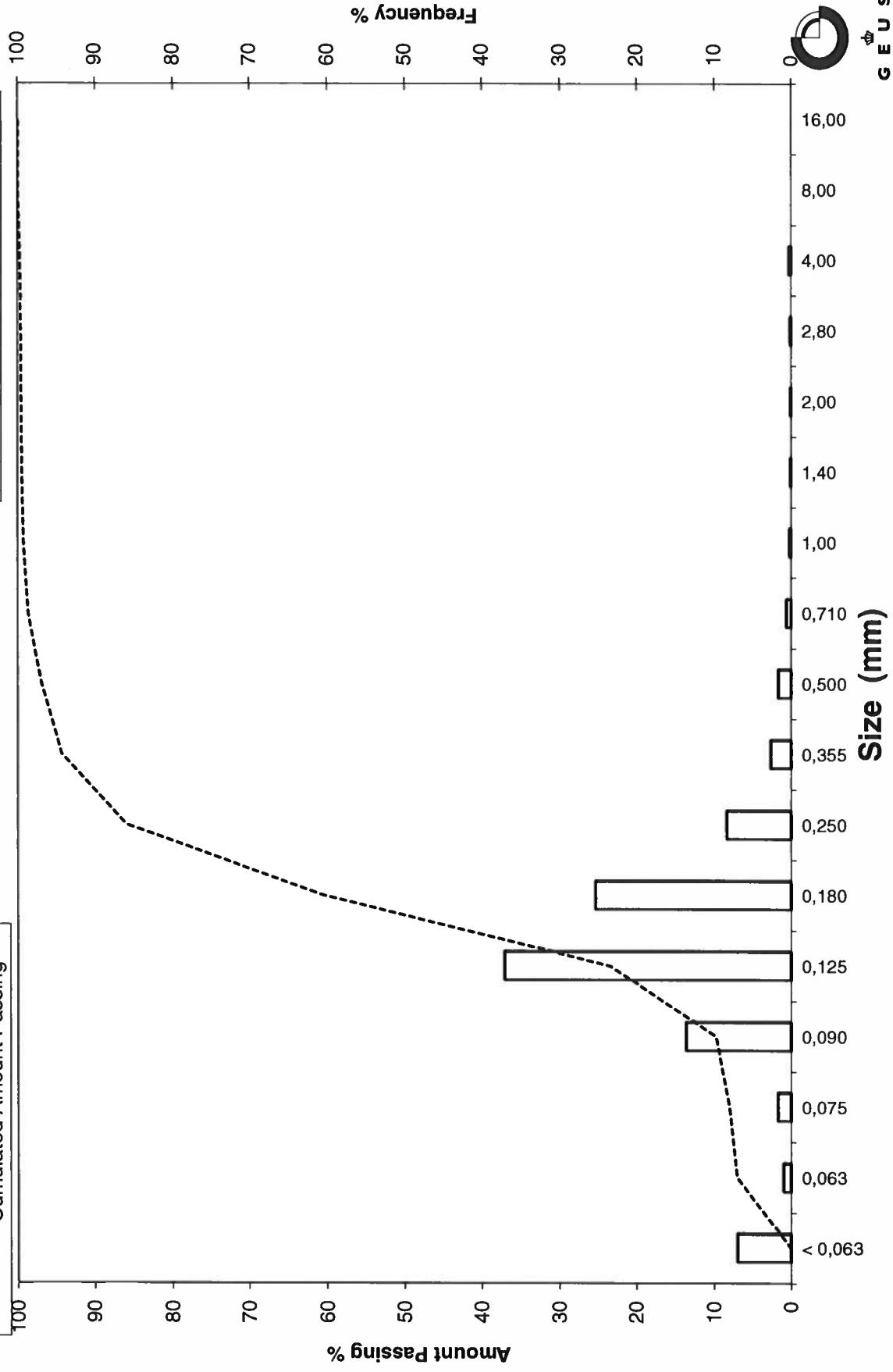
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 43, 0-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRV 45, 0-300
Lab. Id: 200817
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm består af skaller



Total Weight 99,97 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,02	0,02	99,98
2,00	-1,00	0,04	0,04	99,94
1,40	-0,49	0,27	0,27	99,67
1,00	0,00	1,14	1,14	98,53
0,710	0,49	1,79	1,79	96,74
0,500	1,00	2,69	2,69	94,05
0,355	1,49	3,99	3,99	90,06
0,250	2,00	12,16	12,16	77,89
0,180	2,47	33,70	33,71	44,18
0,125	3,00	35,90	35,91	8,27
0,090	3,47	5,81	5,81	2,46
0,075	3,74	0,67	0,67	1,79
0,063	3,99	0,26	0,26	1,53
< 0,063	> 3,99	1,53	1,53	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,53
Sand, fine (0,063 mm - 0,200 mm):	52,28
Sand, medium (0,2 mm - 0,6 mm):	41,51
Sand, coarse (0,6 mm - 2 mm):	4,61
Gravel (> 2 mm):	0,06
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,57	0,80
16%	84%	0,30	1,72
25%	75%	0,24	2,04
40%	60%	0,21	2,23
Median 50%	50%	0,19	2,38
75%	25%	0,15	2,73
84%	16%	0,14	2,87
90%	10%	0,13	2,97
95%	5%	0,11	3,25

Moments Statistics

Mean	2,32
Sorting	0,66
Skewness	-0,22
Kurtosis	1,44
Uniformity Coefficient	1,67

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

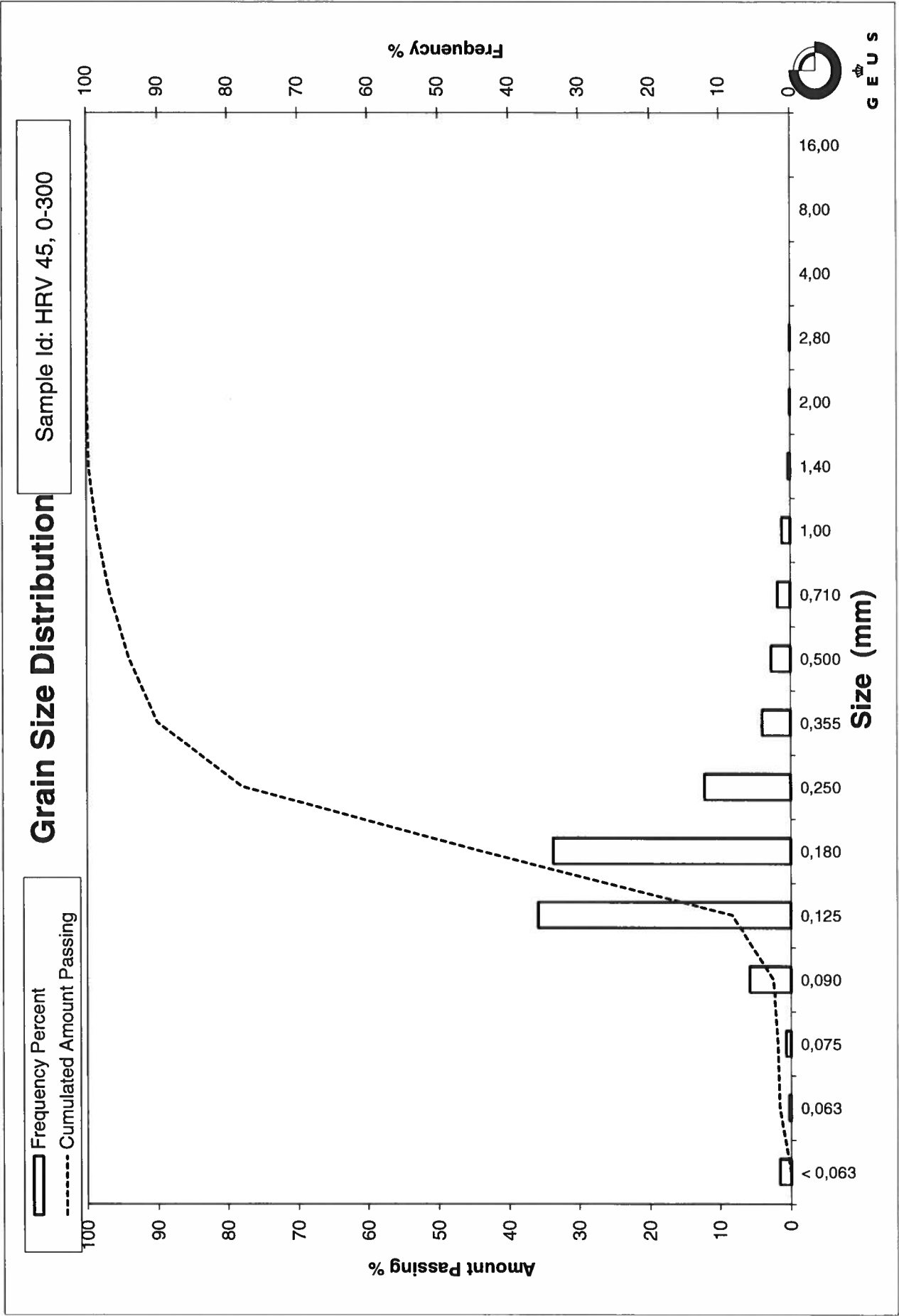
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

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

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Grain Size Distribution

Geotechnical

Sample Id: HRV 76, 100-200
Lab. Id: 200818
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 100,88 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,01	0,01	99,99
2,00	-1,00	0,00	0,00	99,99
1,40	-0,49	0,00	0,00	99,99
1,00	0,00	0,02	0,02	99,97
0,710	0,49	0,01	0,01	99,96
0,500	1,00	0,03	0,03	99,93
0,355	1,49	0,08	0,08	99,85
0,250	2,00	1,17	1,16	98,69
0,180	2,47	19,95	19,78	78,92
0,125	3,00	51,64	51,19	27,73
0,090	3,47	19,38	19,21	8,52
0,075	3,74	2,88	2,85	5,66
0,063	3,99	1,59	1,58	4,08
< 0,063	> 3,99	4,12	4,08	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	4,08
Sand, fine (0,063 mm - 0,200 mm):	80,48
Sand, medium (0,2 mm - 0,6 mm):	15,38
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%	0,24	2,08
16%	84%	0,20	2,34
25%	75%	0,18	2,51
40%	60%	0,16	2,65
Median 50%	50%	0,15	2,75
75%	25%	0,12	3,06
84%	16%	0,10	3,27
90%	10%	0,09	3,43
95%	5%	0,07	3,84

Moments Statistics

Mean	2,78
Sorting	0,50
Skewness	0,18
Kurtosis	1,31
Uniformity Coefficient	1,72

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

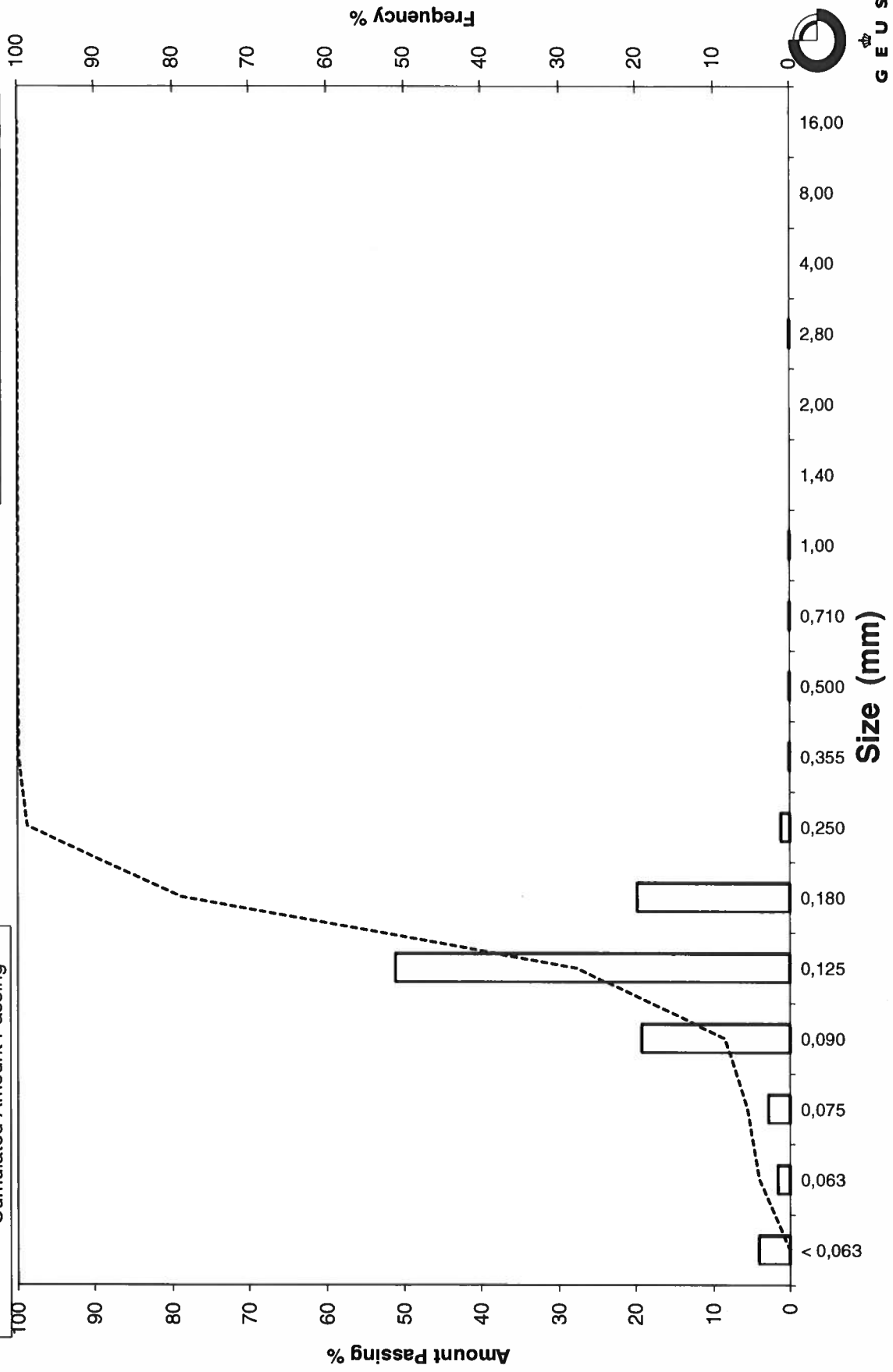
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRV 76, 100-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 1, 0-150
Lab. Id: 200819
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm heraf 0,6g skaller



Total Weight 99,94 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	0,40	0,40	99,60
4,00	-2,00	0,68	0,68	98,92
2,80	-1,49	0,10	0,10	98,82
2,00	-1,00	0,47	0,47	98,35
1,40	-0,49	0,63	0,63	97,72
1,00	0,00	1,61	1,61	96,11
0,710	0,49	2,90	2,90	93,21
0,500	1,00	6,27	6,27	86,93
0,355	1,49	3,03	3,03	83,90
0,250	2,00	1,79	1,79	82,11
0,180	2,47	8,68	8,69	73,42
0,125	3,00	46,26	46,29	27,14
0,090	3,47	20,78	20,79	6,34
0,075	3,74	2,01	2,01	4,33
0,063	3,99	0,77	0,77	3,56
< 0,063	> 3,99	3,56	3,56	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,56
Sand, fine (0,063 mm - 0,200 mm):	72,34
Sand, medium (0,2 mm - 0,6 mm):	14,01
Sand, coarse (0,6 mm - 2 mm):	8,43
Gravel (> 2 mm):	1,65
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,89	0,17
16%	84%	0,36	1,47
25%	75%	0,19	2,38
40%	60%	0,16	2,61
Median 50%	50%	0,15	2,72
75%	25%	0,12	3,04
84%	16%	0,11	3,23
90%	10%	0,10	3,38
95%	5%	0,08	3,64

Moments Statistics

Mean	2,48
Sorting	0,97
Skewness	-0,44
Kurtosis	2,14
Uniformity Coefficient	1,71

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

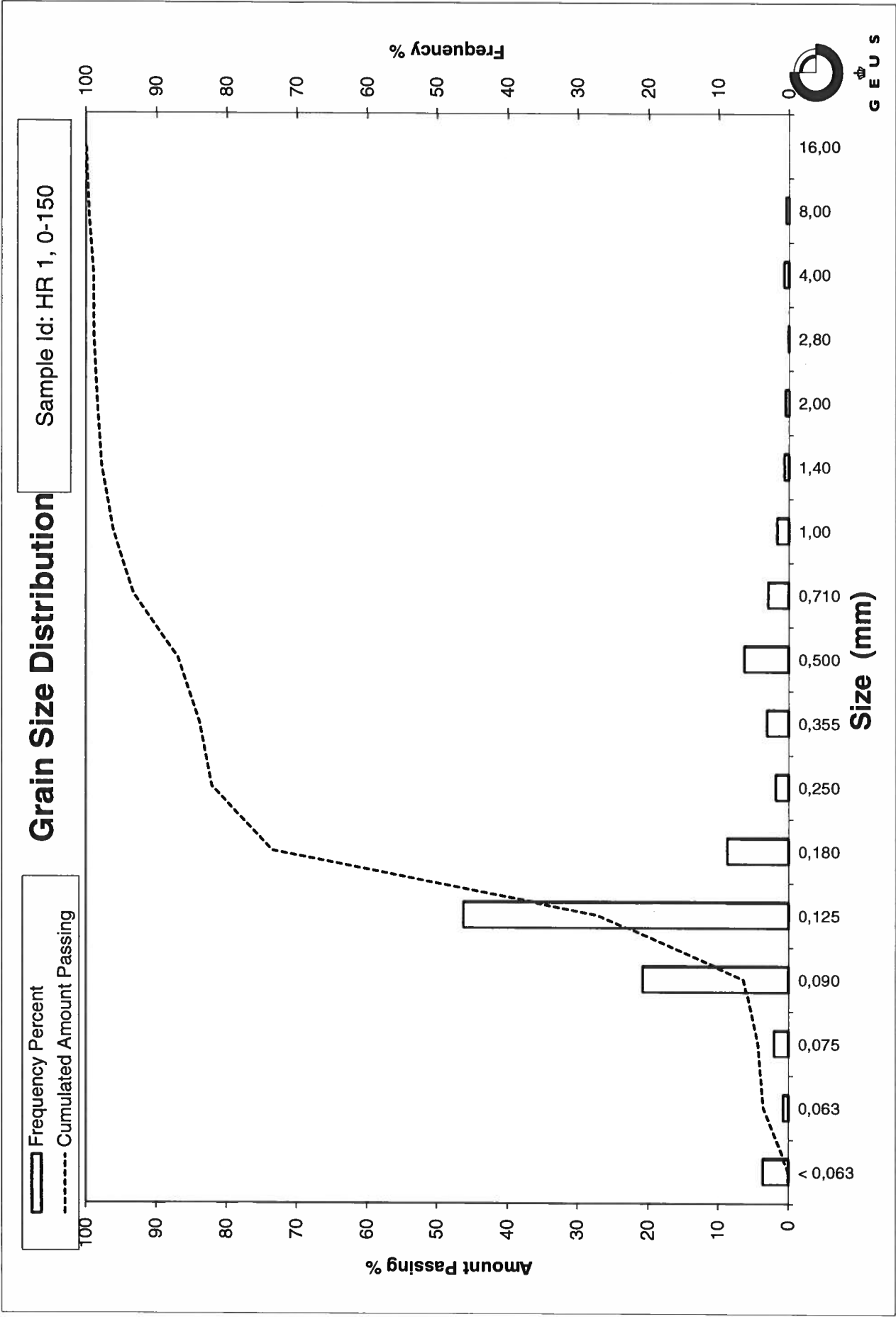
Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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Grain Size Distribution

Geotechnical

Sample Id: HR 3, 150-250
Lab. Id: 200820
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 144,09 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,03	0,02	99,98
1,40	-0,49	0,33	0,23	99,75
1,00	0,00	16,30	11,31	88,44
0,710	0,49	43,84	30,43	58,01
0,500	1,00	51,63	35,83	22,18
0,355	1,49	20,89	14,50	7,68
0,250	2,00	5,23	3,63	4,05
0,180	2,47	1,38	0,96	3,10
0,125	3,00	1,53	1,06	2,03
0,090	3,47	0,73	0,51	1,53
0,075	3,74	0,13	0,09	1,44
0,063	3,99	0,05	0,03	1,40
< 0,063	> 3,99	2,02	1,40	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,40
Sand, fine (0,063 mm - 0,200 mm):	1,97
Sand, medium (0,2 mm - 0,6 mm):	35,87
Sand, coarse (0,6 mm - 2 mm):	60,74
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%	1,23	-0,30
16%	84%	0,96	0,06
25%	75%	0,87	0,20
40%	60%	0,73	0,46
Median 50%	50%	0,66	0,59
75%	25%	0,52	0,95
84%	16%	0,44	1,19
90%	10%	0,38	1,40
95%	5%	0,28	1,85

Moments Statistics

Mean	0,62
Sorting	0,61
Skewness	0,11
Kurtosis	1,17
Uniformity Coefficient	1,93

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

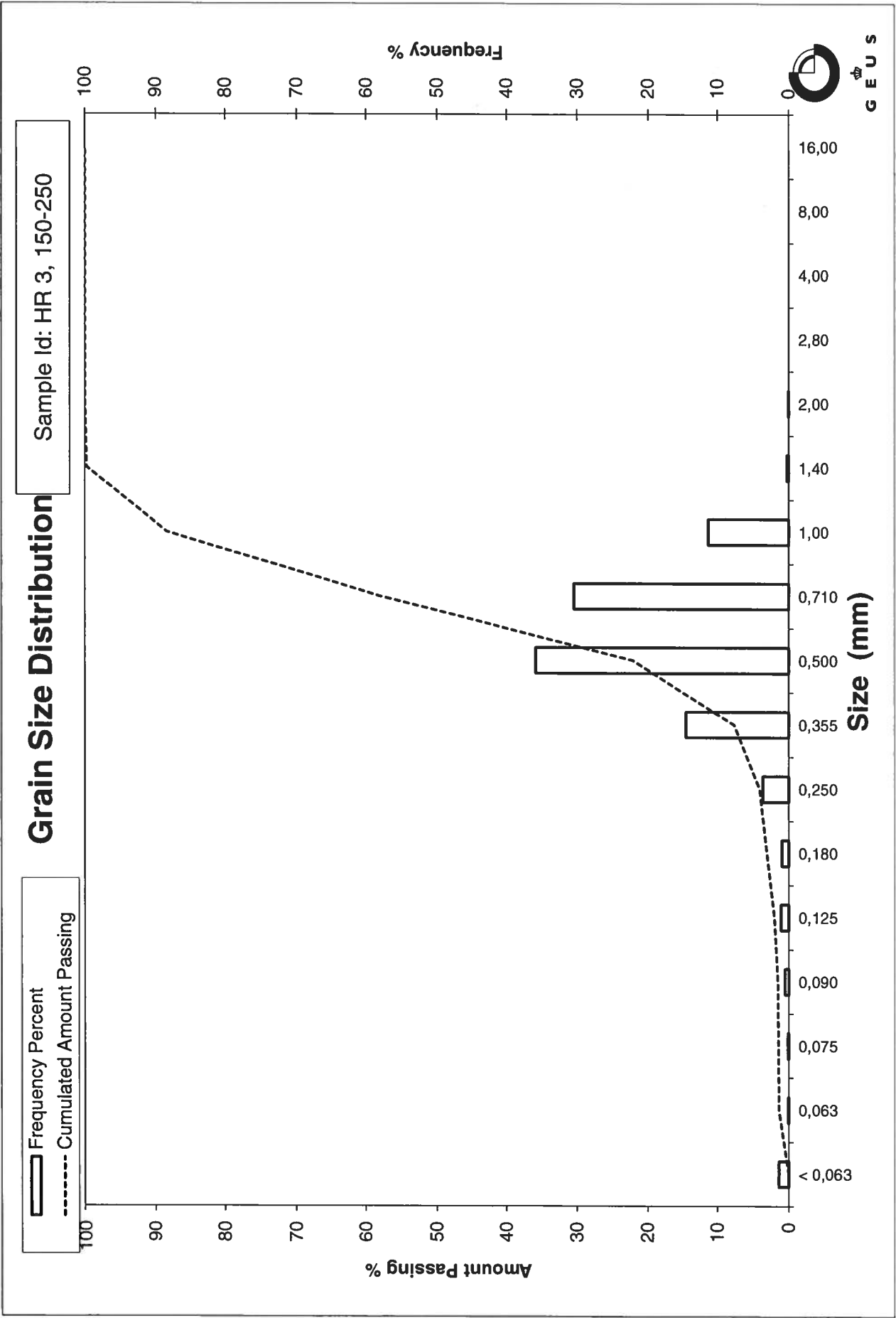
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

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

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Grain Size Distribution

Geotechnical

Sample Id: HR 6, 0-200
Lab. Id: 200821
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 142,21 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	1,37	0,96	99,04
2,80	-1,49	0,59	0,41	98,62
2,00	-1,00	0,89	0,63	98,00
1,40	-0,49	2,24	1,58	96,42
1,00	0,00	10,05	7,07	89,35
0,710	0,49	26,59	18,70	70,66
0,500	1,00	48,72	34,26	36,40
0,355	1,49	34,38	24,18	12,22
0,250	2,00	13,87	9,75	2,47
0,180	2,47	1,53	1,08	1,39
0,125	3,00	0,28	0,20	1,20
0,090	3,47	0,11	0,08	1,12
0,075	3,74	0,03	0,02	1,10
0,063	3,99	0,04	0,03	1,07
< 0,063	> 3,99	1,52	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):	0,63
Sand, medium (0,2 mm - 0,6 mm):	51,01
Sand, coarse (0,6 mm - 2 mm):	45,29
Gravel (> 2 mm):	2,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,32	-0,40
16%	84%	0,92	0,13
25%	75%	0,78	0,36
40%	60%	0,64	0,63
Median 50%	50%	0,58	0,78
75%	25%	0,43	1,21
84%	16%	0,38	1,40
90%	10%	0,33	1,59
95%	5%	0,28	1,85

Moments Statistics

Mean	0,77
Sorting	0,66
Skewness	-0,03
Kurtosis	1,09
Uniformity Coefficient	1,95

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

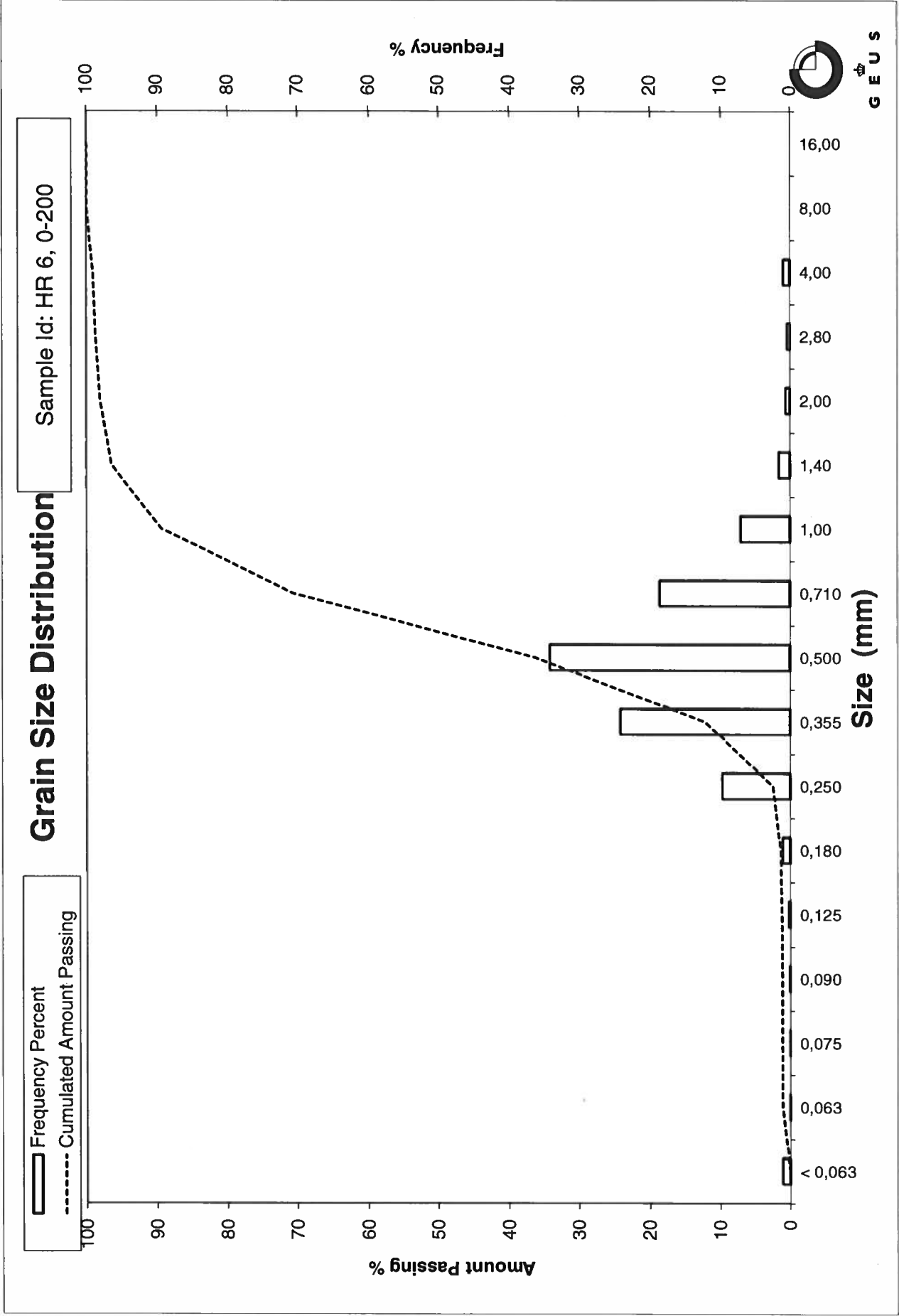
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

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

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Grain Size Distribution

Geotechnical

Sample Id: HR 7, 0-240
Lab. Id: 200822
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 98,09 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,10	0,10	99,90
2,00	-1,00	0,11	0,11	99,79
1,40	-0,49	0,03	0,03	99,76
1,00	0,00	0,19	0,19	99,56
0,710	0,49	0,28	0,29	99,28
0,500	1,00	0,99	1,01	98,27
0,355	1,49	7,95	8,10	90,16
0,250	2,00	44,41	45,27	44,89
0,180	2,47	34,97	35,65	9,24
0,125	3,00	6,68	6,81	2,43
0,090	3,47	0,77	0,78	1,64
0,075	3,74	0,14	0,14	1,50
0,063	3,99	0,06	0,06	1,44
< 0,063	> 3,99	1,41	1,44	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,44
Sand, fine (0,063 mm - 0,200 mm):	17,98
Sand, medium (0,2 mm - 0,6 mm):	79,33
Sand, coarse (0,6 mm - 2 mm):	1,04
Gravel (> 2 mm):	0,21
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	1,64
40%	60%	0,29	1,81
Median 50%	50%	0,26	1,93
75%	25%	0,21	2,25
84%	16%	0,19	2,37
90%	10%	0,18	2,46
95%	5%	0,15	2,78

Moments Statistics

Mean	1,95
Sorting	0,45
Skewness	0,06
Kurtosis	1,09
Uniformity Coefficient	1,57

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

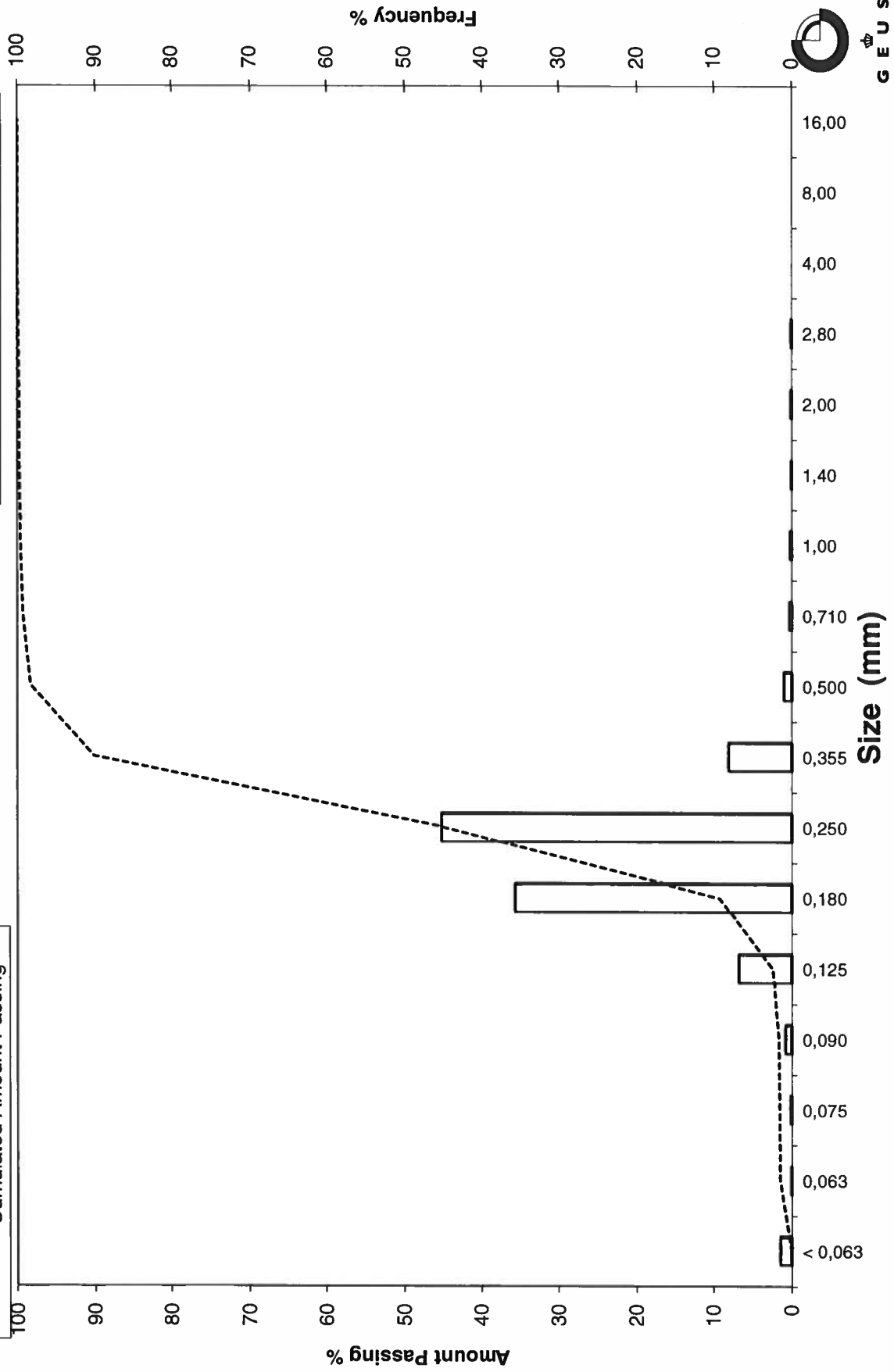
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 7, 0-240

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 8, 0-200
Lab. Id: 200823
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm heraf 1,9g skaller



Total Weight 99,85 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	2,09	2,09	97,91
4,00	-2,00	1,06	1,06	96,85
2,80	-1,49	0,95	0,95	95,89
2,00	-1,00	0,87	0,87	95,02
1,40	-0,49	0,98	0,98	94,04
1,00	0,00	1,37	1,37	92,67
0,710	0,49	1,42	1,42	91,25
0,500	1,00	2,06	2,06	89,18
0,355	1,49	4,80	4,81	84,38
0,250	2,00	20,67	20,70	63,68
0,180	2,47	34,62	34,67	29,00
0,125	3,00	23,10	23,13	5,87
0,090	3,47	3,51	3,52	2,35
0,075	3,74	0,61	0,61	1,74
0,063	3,99	0,30	0,30	1,44
< 0,063	> 3,99	1,44	1,44	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,44
Sand, fine (0,063 mm - 0,200 mm):	37,47
Sand, medium (0,2 mm - 0,6 mm):	51,26
Sand, coarse (0,6 mm - 2 mm):	4,86
Gravel (> 2 mm):	4,98
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,99	-0,99
16%	84%	0,35	1,50
25%	75%	0,31	1,70
40%	60%	0,24	2,04
Median 50%	50%	0,22	2,17
75%	25%	0,17	2,55
84%	16%	0,15	2,75
90%	10%	0,13	2,89
95%	5%	0,12	3,10

Moments Statistics

Mean	2,14
Sorting	0,93
Skewness	-0,31
Kurtosis	1,97
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)

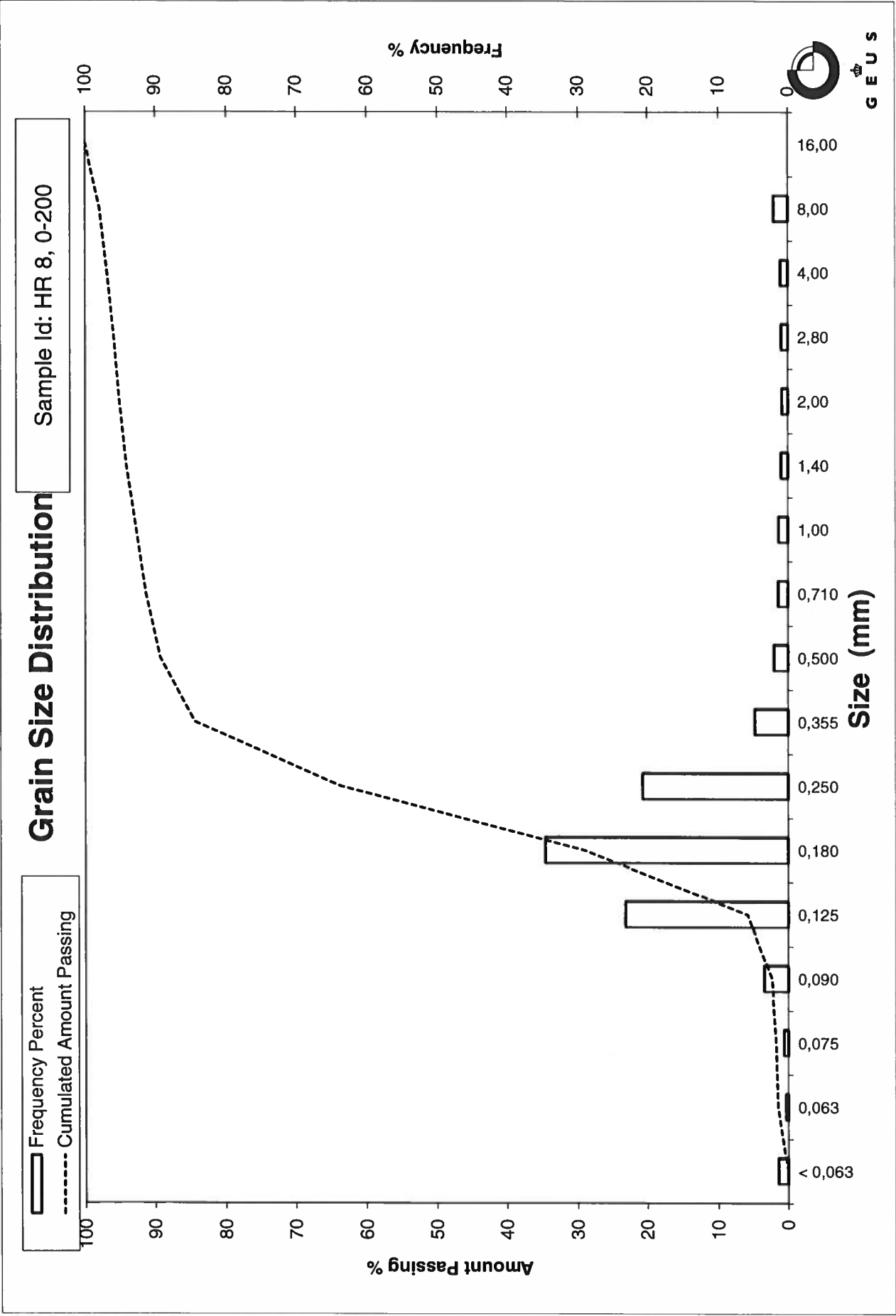
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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)

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

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Grain Size Distribution

Geotechnical

Sample Id: HR 17A, 100-200
Lab. Id: 200824
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm består af skaller



Total Weight 97,58 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,06	0,06	99,94
2,80	-1,49	0,00	0,00	99,94
2,00	-1,00	0,02	0,02	99,92
1,40	-0,49	0,05	0,05	99,87
1,00	0,00	0,08	0,08	99,78
0,710	0,49	0,11	0,11	99,67
0,500	1,00	0,18	0,18	99,49
0,355	1,49	0,52	0,53	98,95
0,250	2,00	5,68	5,82	93,13
0,180	2,47	19,10	19,57	73,56
0,125	3,00	50,27	51,52	22,04
0,090	3,47	16,09	16,49	5,55
0,075	3,74	1,74	1,78	3,77
0,063	3,99	0,70	0,72	3,05
< 0,063	> 3,99	2,98	3,05	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,05
Sand, fine (0,063 mm - 0,200 mm):	76,10
Sand, medium (0,2 mm - 0,6 mm):	20,42
Sand, coarse (0,6 mm - 2 mm):	0,34
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%	0,28	1,82
16%	84%	0,22	2,20
25%	75%	0,19	2,43
40%	60%	0,17	2,59
Median 50%	50%	0,15	2,69
75%	25%	0,13	2,96
84%	16%	0,11	3,16
90%	10%	0,10	3,33
95%	5%	0,09	3,55

Moments Statistics

Mean	2,68
Sorting	0,50
Skewness	-0,02
Kurtosis	1,34
Uniformity Coefficient	1,66

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

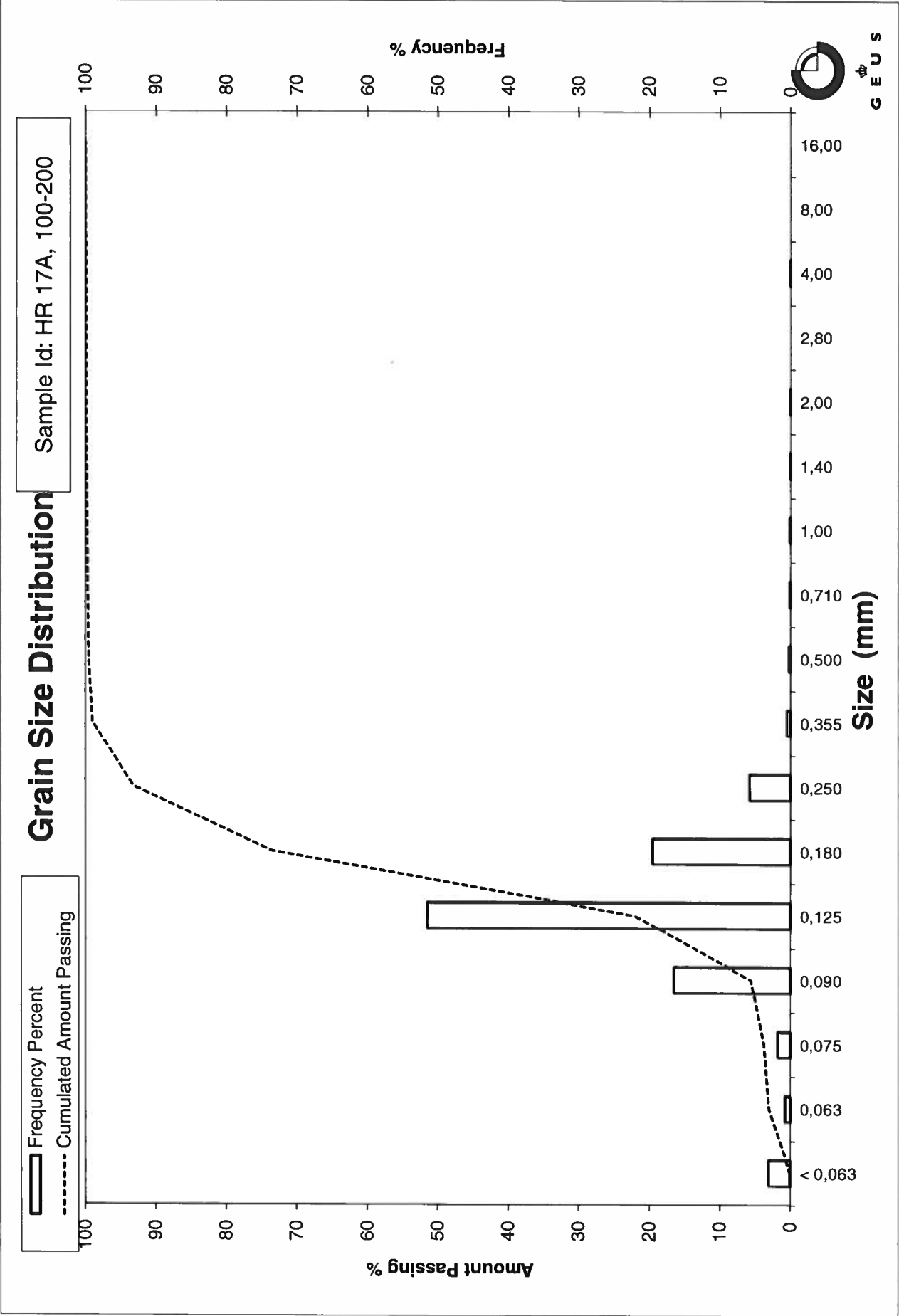
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

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

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Grain Size Distribution

Geotechnical

Sample Id: HR 18, 0-120
Lab. Id: 200825
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm heraf 0,3g skaller



Total Weight 101,83 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,56	0,55	99,45
2,80	-1,49	0,54	0,53	98,92
2,00	-1,00	0,77	0,76	98,16
1,40	-0,49	0,59	0,58	97,58
1,00	0,00	0,82	0,81	96,78
0,710	0,49	2,04	2,00	94,78
0,500	1,00	4,69	4,61	90,17
0,355	1,49	5,66	5,56	84,61
0,250	2,00	14,77	14,50	70,11
0,180	2,47	29,43	28,90	41,21
0,125	3,00	29,89	29,35	11,85
0,090	3,47	6,81	6,69	5,17
0,075	3,74	1,10	1,08	4,09
0,063	3,99	0,47	0,46	3,62
< 0,063	> 3,99	3,69	3,62	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,62
Sand, fine (0,063 mm - 0,200 mm):	45,84
Sand, medium (0,2 mm - 0,6 mm):	42,90
Sand, coarse (0,6 mm - 2 mm):	5,80
Gravel (> 2 mm):	1,84
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,74	0,43
16%	84%	0,35	1,51
25%	75%	0,29	1,81
40%	60%	0,23	2,15
Median 50%	50%	0,20	2,31
75%	25%	0,15	2,74
84%	16%	0,13	2,91
90%	10%	0,12	3,12
95%	5%	0,09	3,51

Moments Statistics

Mean	2,25
Sorting	0,82
Skewness	-0,18
Kurtosis	1,36
Uniformity Coefficient	1,96

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

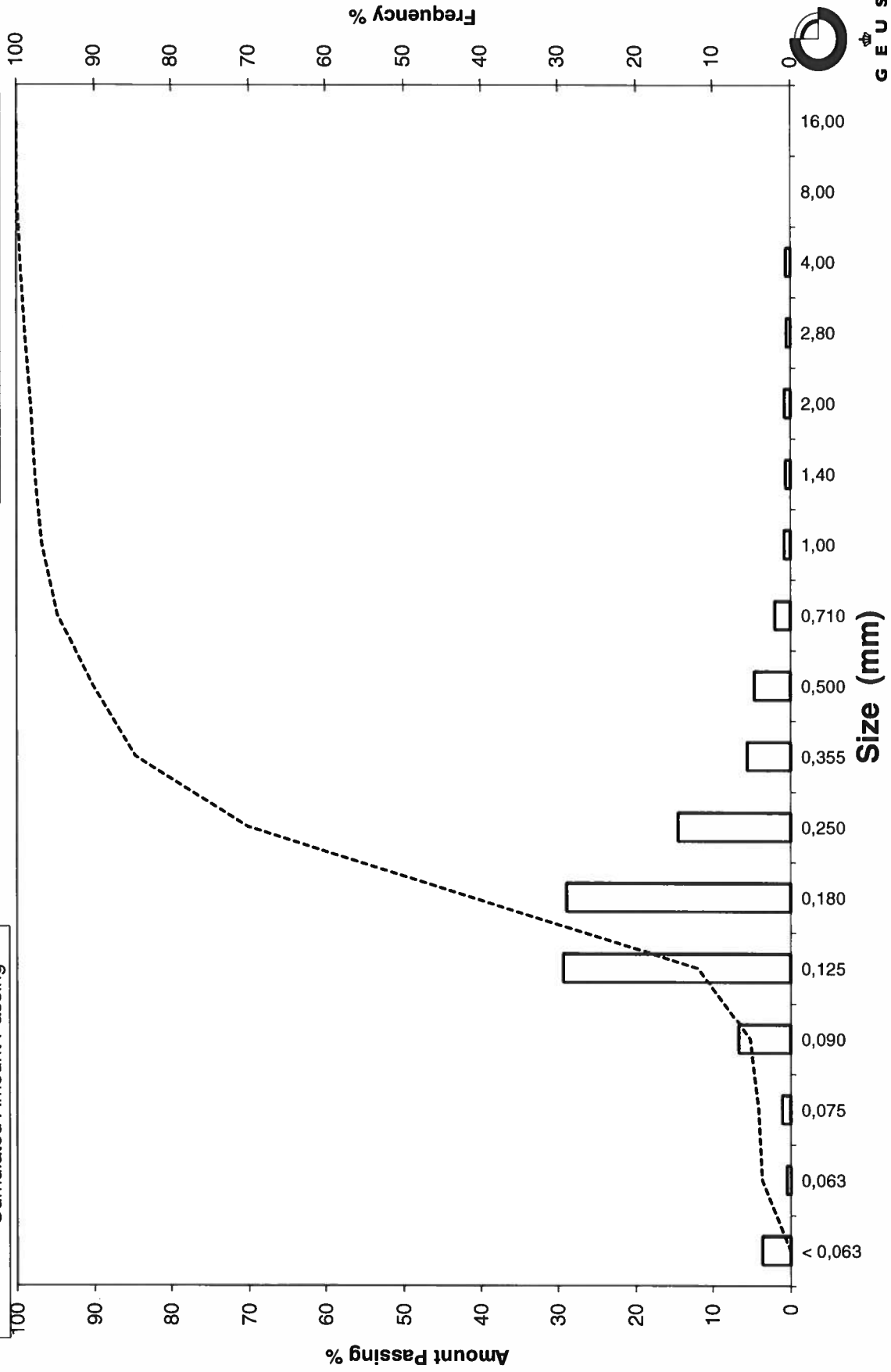
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 18, 0-120

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 21, 0-60
Lab. Id: 200826
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm består af skaller



Total Weight 107,44 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,14	0,13	99,87
4,00	-2,00	0,38	0,35	99,52
2,80	-1,49	0,75	0,70	98,82
2,00	-1,00	0,67	0,62	98,19
1,40	-0,49	0,57	0,53	97,66
1,00	0,00	1,35	1,26	96,41
0,710	0,49	2,90	2,70	93,71
0,500	1,00	12,67	11,79	81,92
0,355	1,49	14,67	13,65	68,26
0,250	2,00	8,13	7,57	60,69
0,180	2,47	16,55	15,40	45,29
0,125	3,00	33,96	31,61	13,68
0,090	3,47	8,40	7,82	5,86
0,075	3,74	1,20	1,12	4,75
0,063	3,99	0,60	0,56	4,19
< 0,063	> 3,99	4,50	4,19	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	4,19
Sand, fine (0,063 mm - 0,200 mm):	45,50
Sand, medium (0,2 mm - 0,6 mm):	37,84
Sand, coarse (0,6 mm - 2 mm):	10,66
Gravel (> 2 mm):	1,81
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,85	0,24
16%	84%	0,54	0,90
25%	75%	0,43	1,23
40%	60%	0,25	2,02
Median 50%	50%	0,20	2,31
75%	25%	0,14	2,79
84%	16%	0,13	2,95
90%	10%	0,11	3,20
95%	5%	0,08	3,67

Moments Statistics

Mean	2,05
Sorting	1,04
Skewness	-0,29
Kurtosis	0,90
Uniformity Coefficient	2,27

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

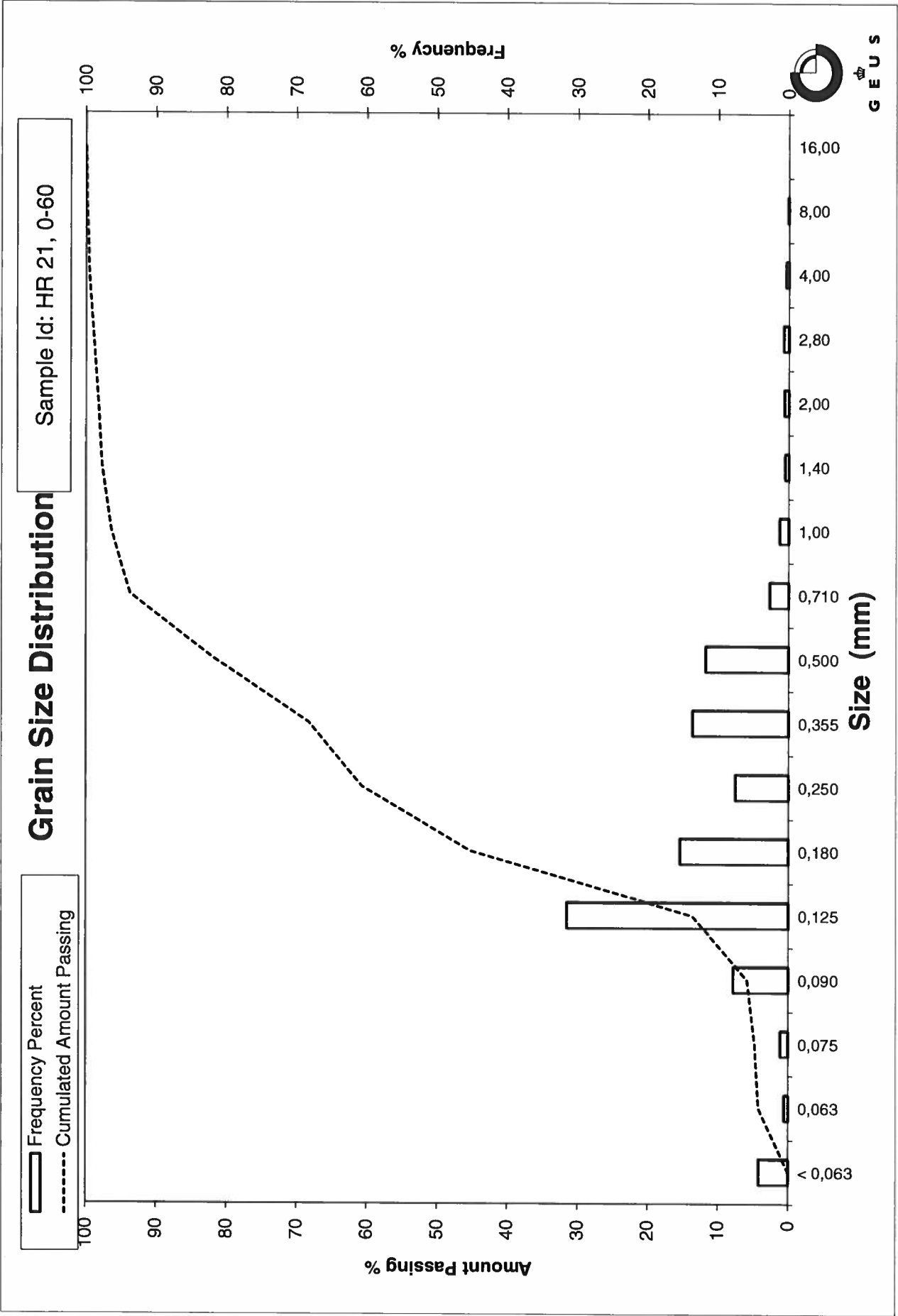
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

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

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Grain Size Distribution

Geotechnical

Sample Id: HR 24, 0-87
Lab. Id: 200827
Projekt: MST Råstofkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm består af skaller



Total Weight 102,88 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,04	0,04	99,96
2,80	-1,49	0,16	0,16	99,81
2,00	-1,00	0,17	0,17	99,64
1,40	-0,49	0,39	0,38	99,26
1,00	0,00	1,93	1,88	97,39
0,710	0,49	4,03	3,92	93,47
0,500	1,00	6,97	6,77	86,69
0,355	1,49	12,14	11,80	74,89
0,250	2,00	22,48	21,85	53,04
0,180	2,47	15,83	15,39	37,66
0,125	3,00	24,73	24,04	13,62
0,090	3,47	10,57	10,27	3,34
0,075	3,74	0,98	0,95	2,39
0,063	3,99	0,30	0,29	2,10
< 0,063	> 3,99	2,16	2,10	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,10
Sand, fine (0,063 mm - 0,200 mm):	39,95
Sand, medium (0,2 mm - 0,6 mm):	47,87
Sand, coarse (0,6 mm - 2 mm):	9,72
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%	0,82	0,28
16%	84%	0,47	1,10
25%	75%	0,36	1,49
40%	60%	0,28	1,82
Median 50%	50%	0,24	2,08
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	2,04
Sorting	0,93
Skewness	-0,11
Kurtosis	1,03
Uniformity Coefficient	2,52

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

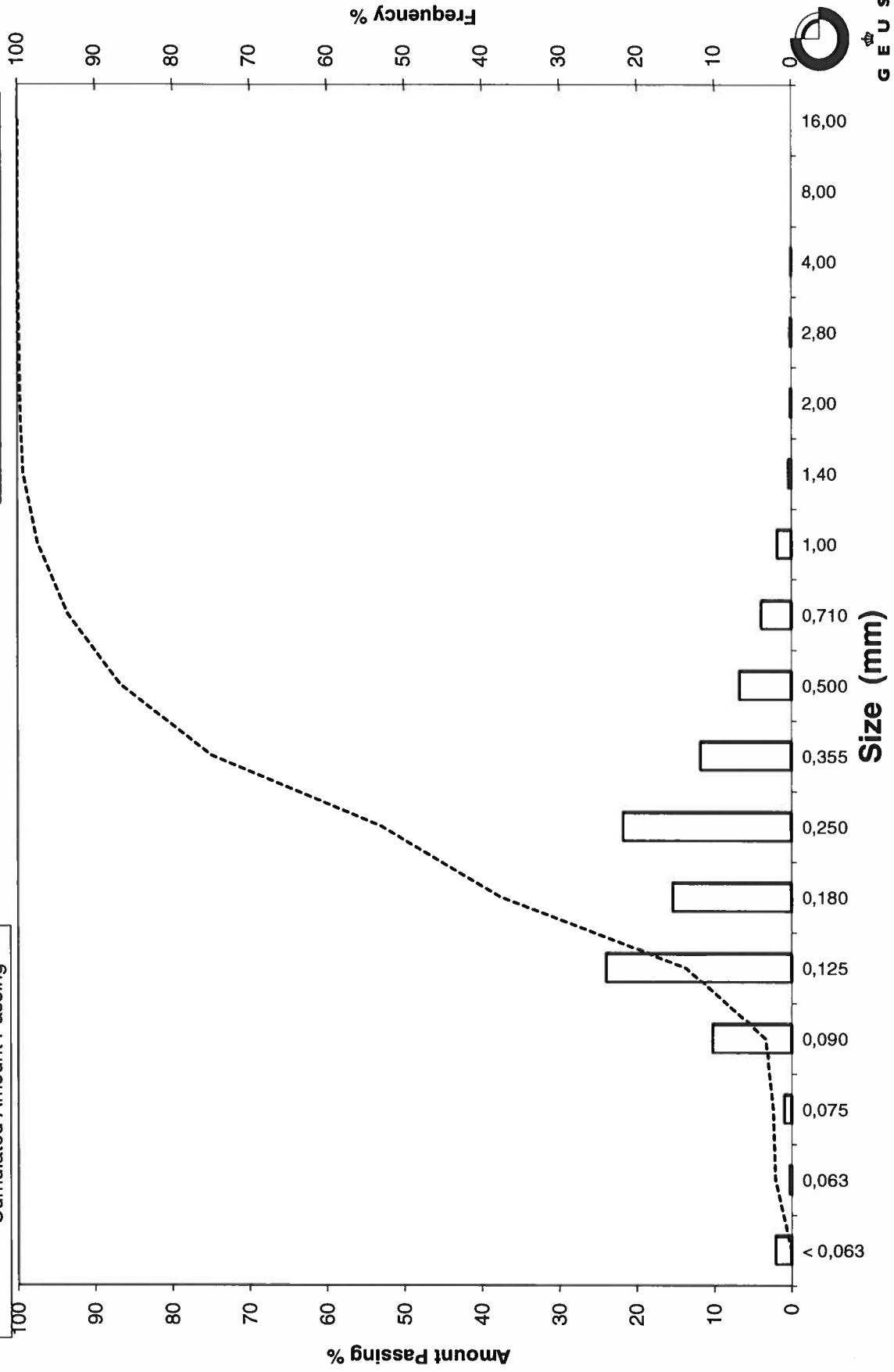
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 24, 0-87

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 25A, 50-150
Lab. Id: 200828
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm består af skaller



Total Weight 100,26 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,21	0,21	99,79
4,00	-2,00	0,38	0,38	99,41
2,80	-1,49	0,19	0,19	99,22
2,00	-1,00	0,32	0,32	98,90
1,40	-0,49	0,48	0,48	98,42
1,00	0,00	1,97	1,96	96,46
0,710	0,49	2,92	2,91	93,55
0,500	1,00	4,85	4,84	88,71
0,355	1,49	10,82	10,79	77,92
0,250	2,00	27,17	27,10	50,82
0,180	2,47	21,82	21,76	29,05
0,125	3,00	21,60	21,54	7,51
0,090	3,47	3,20	3,19	4,32
0,075	3,74	0,37	0,37	3,95
0,063	3,99	0,08	0,08	3,87
< 0,063	> 3,99	3,88	3,87	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,87
Sand, fine (0,063 mm - 0,200 mm):	31,40
Sand, medium (0,2 mm - 0,6 mm):	55,74
Sand, coarse (0,6 mm - 2 mm):	7,89
Gravel (> 2 mm):	1,10
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,85	0,23
16%	84%	0,44	1,20
25%	75%	0,34	1,54
40%	60%	0,29	1,81
Median 50%	50%	0,25	2,02
75%	25%	0,17	2,56
84%	16%	0,15	2,77
90%	10%	0,13	2,93
95%	5%	0,10	3,36

Moments Statistics

Mean	1,99
Sorting	0,87
Skewness	-0,09
Kurtosis	1,26
Uniformity Coefficient	2,17

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

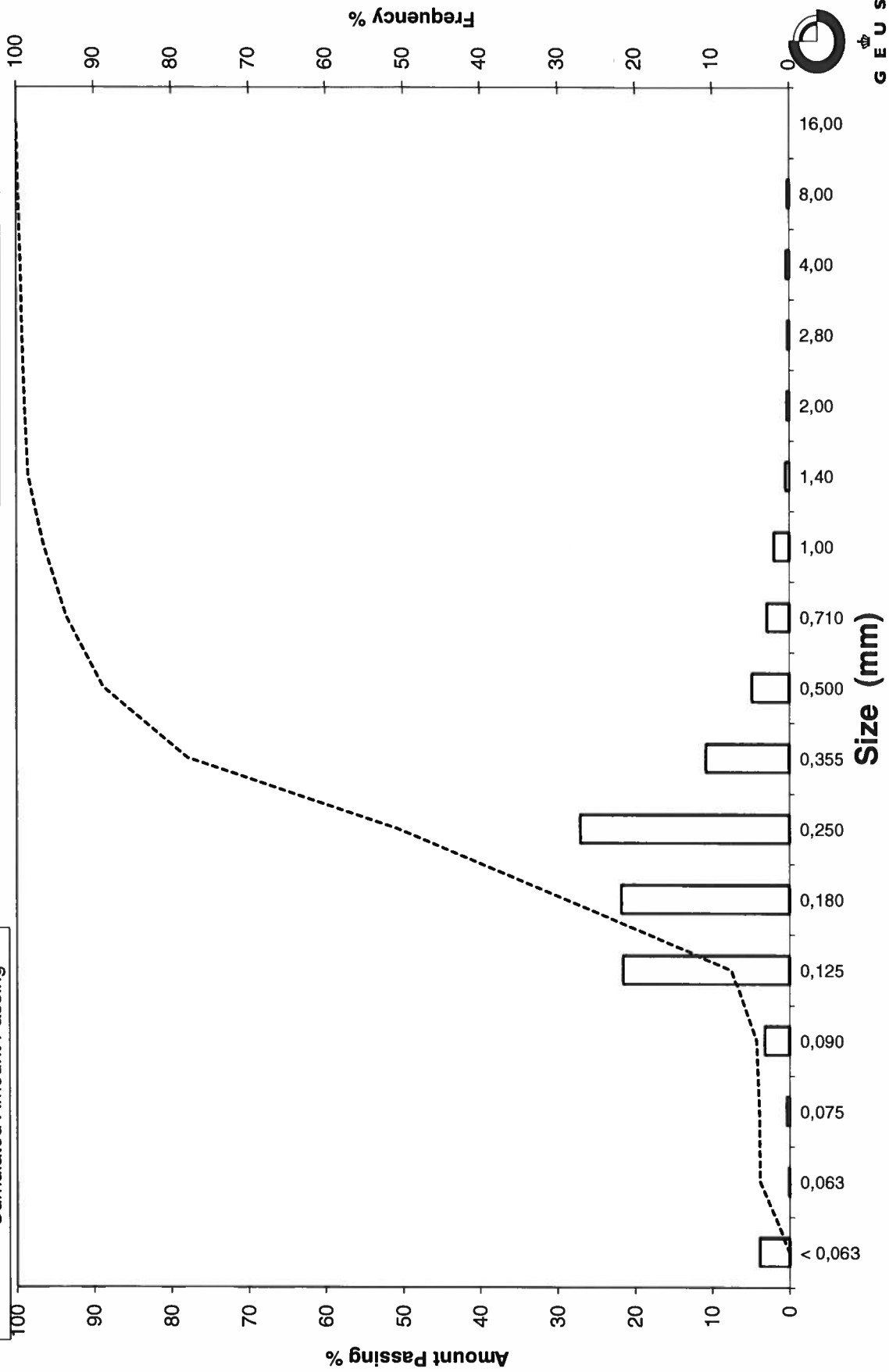
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 25A, 50-150

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 28, 300-450
Lab. Id: 200829
Projekt: MST Råstøf kortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 107,98 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	0,74	0,69	99,31
4,00	-2,00	2,08	1,93	97,39
2,80	-1,49	3,25	3,01	94,38
2,00	-1,00	5,05	4,68	89,70
1,40	-0,49	8,73	8,08	81,62
1,00	0,00	10,69	9,90	71,72
0,710	0,49	10,16	9,41	62,31
0,500	1,00	11,40	10,56	51,75
0,355	1,49	13,49	12,49	39,26
0,250	2,00	19,95	18,48	20,78
0,180	2,47	12,91	11,96	8,83
0,125	3,00	6,02	5,58	3,25
0,090	3,47	1,32	1,22	2,03
0,075	3,74	0,27	0,25	1,78
0,063	3,99	0,13	0,12	1,66
< 0,063	> 3,99	1,79	1,66	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,66
Sand, fine (0,063 mm - 0,200 mm):	10,58
Sand, medium (0,2 mm - 0,6 mm):	44,54
Sand, coarse (0,6 mm - 2 mm):	32,92
Gravel (> 2 mm):	10,30
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	3,05	-1,61
16%	84%	1,58	-0,66
25%	75%	1,13	-0,18
40%	60%	0,66	0,59
Median 50%	50%	0,48	1,06
75%	25%	0,27	1,87
84%	16%	0,22	2,17
90%	10%	0,19	2,42
95%	5%	0,14	2,81

Moments Statistics

Mean	0,86
Sorting	1,38
Skewness	-0,21
Kurtosis	0,88
Uniformity Coefficient	3,55

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

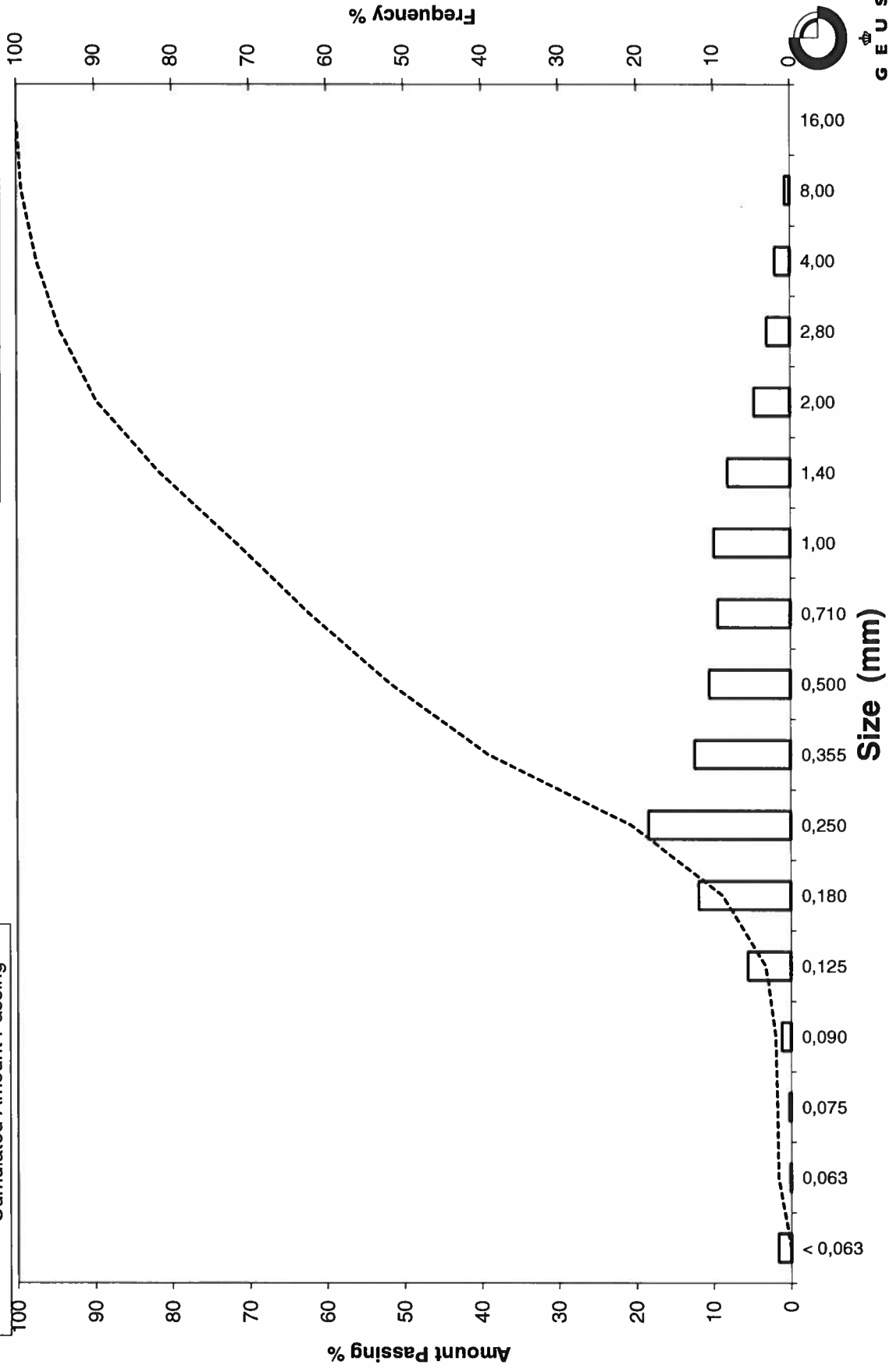
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 28, 300-450

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 29A, 50-150
Lab. Id: 200830
Projekt: MST Råstofkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm består af skaller



Total Weight 102,55 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,05	0,05	99,95
2,80	-1,49	0,10	0,10	99,85
2,00	-1,00	0,09	0,09	99,77
1,40	-0,49	0,14	0,14	99,63
1,00	0,00	0,59	0,58	99,05
0,710	0,49	2,10	2,05	97,01
0,500	1,00	4,56	4,45	92,56
0,355	1,49	2,86	2,79	89,77
0,250	2,00	10,39	10,13	79,64
0,180	2,47	28,72	28,01	51,63
0,125	3,00	36,78	35,87	15,77
0,090	3,47	11,94	11,64	4,12
0,075	3,74	1,28	1,25	2,88
0,063	3,99	0,61	0,59	2,28
< 0,063	> 3,99	2,34	2,28	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,28
Sand, fine (0,063 mm - 0,200 mm):	57,35
Sand, medium (0,2 mm - 0,6 mm):	35,04
Sand, coarse (0,6 mm - 2 mm):	5,09
Gravel (> 2 mm):	0,23
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,62	0,70
16%	84%	0,30	1,76
25%	75%	0,24	2,07
40%	60%	0,20	2,32
Median 50%	50%	0,18	2,49
75%	25%	0,14	2,85
84%	16%	0,13	3,00
90%	10%	0,11	3,22
95%	5%	0,09	3,43

Moments Statistics

Mean	2,42
Sorting	0,72
Skewness	-0,25
Kurtosis	1,44
Uniformity Coefficient	1,87

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

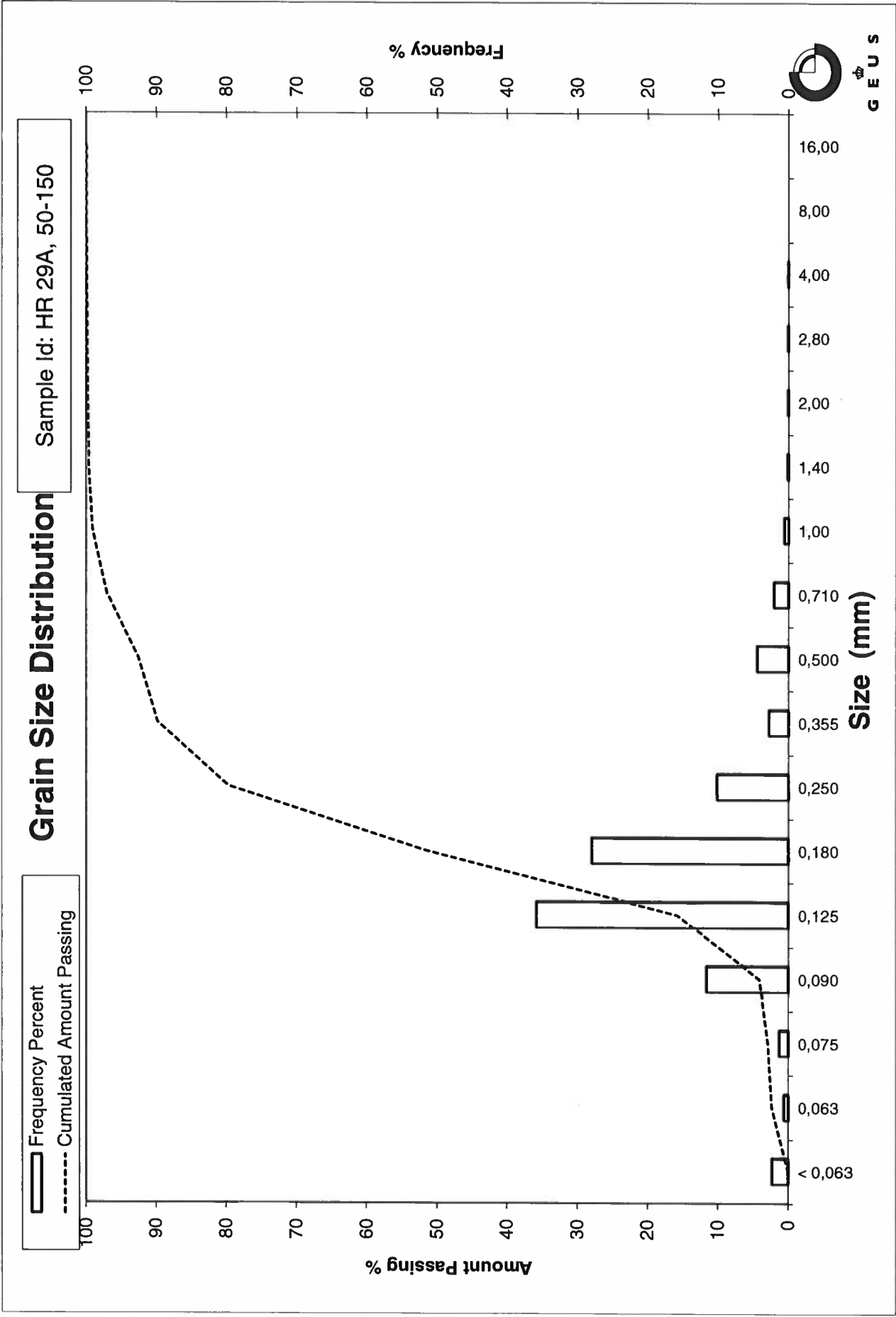
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

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

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Grain Size Distribution

Geotechnical

Sample Id: HR 30, 220-320
Lab. Id: 200831
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 114,74 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,76	0,66	99,34
4,00	-2,00	0,79	0,69	98,65
2,80	-1,49	0,93	0,81	97,84
2,00	-1,00	2,49	2,17	95,67
1,40	-0,49	7,50	6,54	89,13
1,00	0,00	14,31	12,47	76,66
0,710	0,49	18,25	15,91	60,75
0,500	1,00	24,95	21,74	39,01
0,355	1,49	20,82	18,15	20,86
0,250	2,00	11,18	9,74	11,12
0,180	2,47	4,29	3,74	7,38
0,125	3,00	2,81	2,45	4,93
0,090	3,47	1,27	1,11	3,83
0,075	3,74	0,44	0,38	3,44
0,063	3,99	0,31	0,27	3,17
< 0,063	> 3,99	3,64	3,17	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,17
Sand, fine (0,063 mm - 0,200 mm):	5,28
Sand, medium (0,2 mm - 0,6 mm):	40,91
Sand, coarse (0,6 mm - 2 mm):	46,30
Gravel (> 2 mm):	4,33
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,94	-0,96
16%	84%	1,24	-0,30
25%	75%	0,97	0,04
40%	60%	0,70	0,51
Median 50%	50%	0,61	0,72
75%	25%	0,39	1,37
84%	16%	0,30	1,72
90%	10%	0,23	2,13
95%	5%	0,13	2,98

Moments Statistics

Mean	0,71
Sorting	1,10
Skewness	0,07
Kurtosis	1,22
Uniformity Coefficient	3,07

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

Formulas

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

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

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

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

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

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

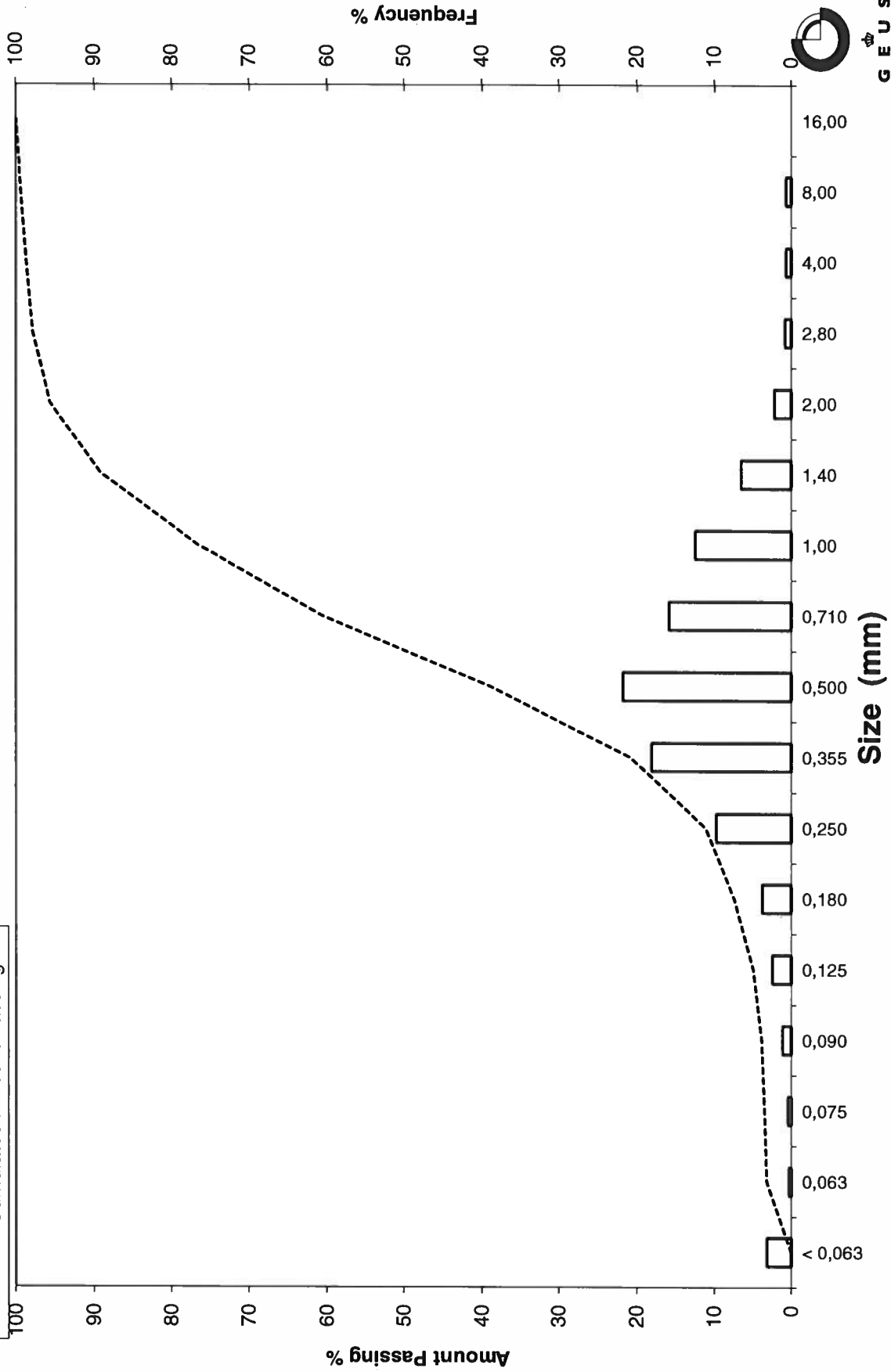
Size Classes and Percentiles are found by linear interpolation

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Sample Id: HR 30, 220-320

Grain Size Distribution

Frequency Percent
Cumulated Amount Passing



GEUS

Grain Size Distribution

Geotechnical

Sample Id: HR 32, 300-480
Lab. Id: 200832
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 109,57 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	7,79	7,11	92,89
4,00	-2,00	1,31	1,20	91,69
2,80	-1,49	1,30	1,19	90,51
2,00	-1,00	4,43	4,04	86,47
1,40	-0,49	8,09	7,38	79,08
1,00	0,00	22,72	20,74	58,35
0,710	0,49	21,65	19,76	38,59
0,500	1,00	17,74	16,19	22,40
0,355	1,49	8,51	7,77	14,63
0,250	2,00	7,10	6,48	8,15
0,180	2,47	3,97	3,62	4,53
0,125	3,00	2,00	1,83	2,70
0,090	3,47	0,71	0,65	2,05
0,075	3,74	0,18	0,16	1,89
0,063	3,99	0,13	0,12	1,77
< 0,063	> 3,99	1,94	1,77	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,77
Sand, fine (0,063 mm - 0,200 mm):	3,79
Sand, medium (0,2 mm - 0,6 mm):	24,54
Sand, coarse (0,6 mm - 2 mm):	56,36
Gravel (> 2 mm):	13,53
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	10,37	-3,37
16%	84%	1,80	-0,85
25%	75%	1,32	-0,40
40%	60%	1,03	-0,05
Median 50%	50%	0,88	0,19
75%	25%	0,53	0,91
84%	16%	0,38	1,39
90%	10%	0,28	1,84
95%	5%	0,19	2,40

Moments Statistics

Mean	0,24
Sorting	1,44
Skewness	-0,08
Kurtosis	1,81
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)

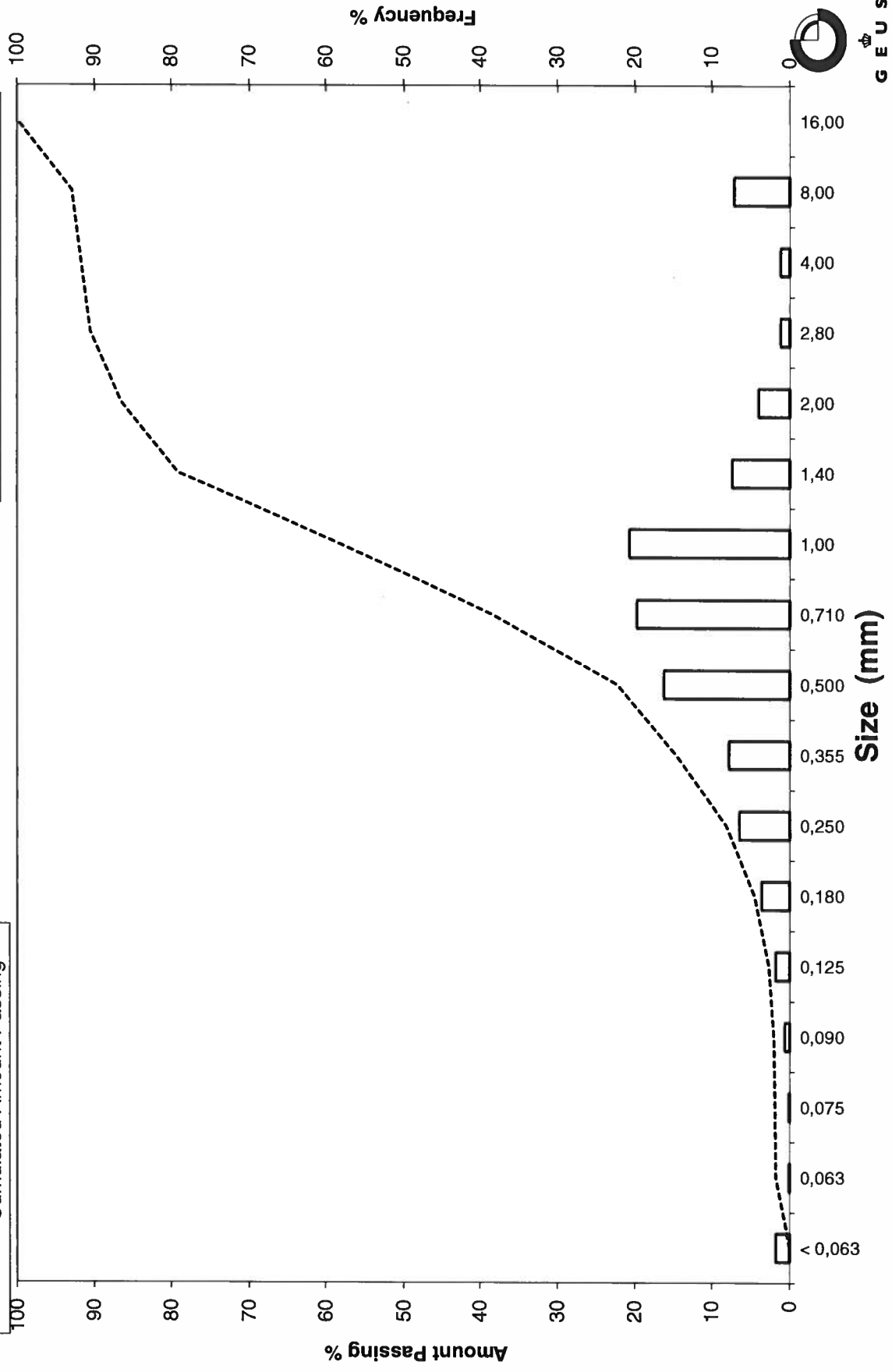
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 32, 300-480

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 33A, 50-150
Lab. Id: 200833
Projekt MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 100,3 g

Size Fractions

Sieve Analysis		Gravel	Sand	Size	Size	Weight	Weight	Cumulated amount passing
				mm	Φ	g	%	%
				16,00	-4,00	0,00	0,00	100,00
				8,00	-3,00	0,00	0,00	100,00
				4,00	-2,00	0,00	0,00	100,00
				2,80	-1,49	0,00	0,00	100,00
				2,00	-1,00	0,00	0,00	100,00
				1,40	-0,49	0,01	0,01	99,99
				1,00	0,00	0,11	0,11	99,88
				0,710	0,49	0,14	0,14	99,74
				0,500	1,00	0,51	0,51	99,23
				0,355	1,49	4,56	4,55	94,69
				0,250	2,00	22,38	22,31	72,37
				0,180	2,47	23,66	23,59	48,78
				0,125	3,00	23,15	23,08	25,70
				0,090	3,47	16,38	16,33	9,37
				0,075	3,74	3,47	3,46	5,91
				0,063	3,99	2,24	2,23	3,68
				< 0,063	> 3,99	3,69	3,68	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,68
Sand, fine (0,063 mm - 0,200 mm):	51,84
Sand, medium (0,2 mm - 0,6 mm):	43,95
Sand, coarse (0,6 mm - 2 mm):	0,53
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%	0,37	1,45
16%	84%	0,30	1,71
25%	75%	0,26	1,93
40%	60%	0,21	2,23
Median 50%	50%	0,18	2,45
75%	25%	0,12	3,02
84%	16%	0,10	3,26
90%	10%	0,09	3,45
95%	5%	0,07	3,83

Moments Statistics

Mean	2,47
Sorting	0,75
Skewness	0,11
Kurtosis	0,90
Uniformity Coefficient	2,33

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

Formulas

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

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

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

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

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

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

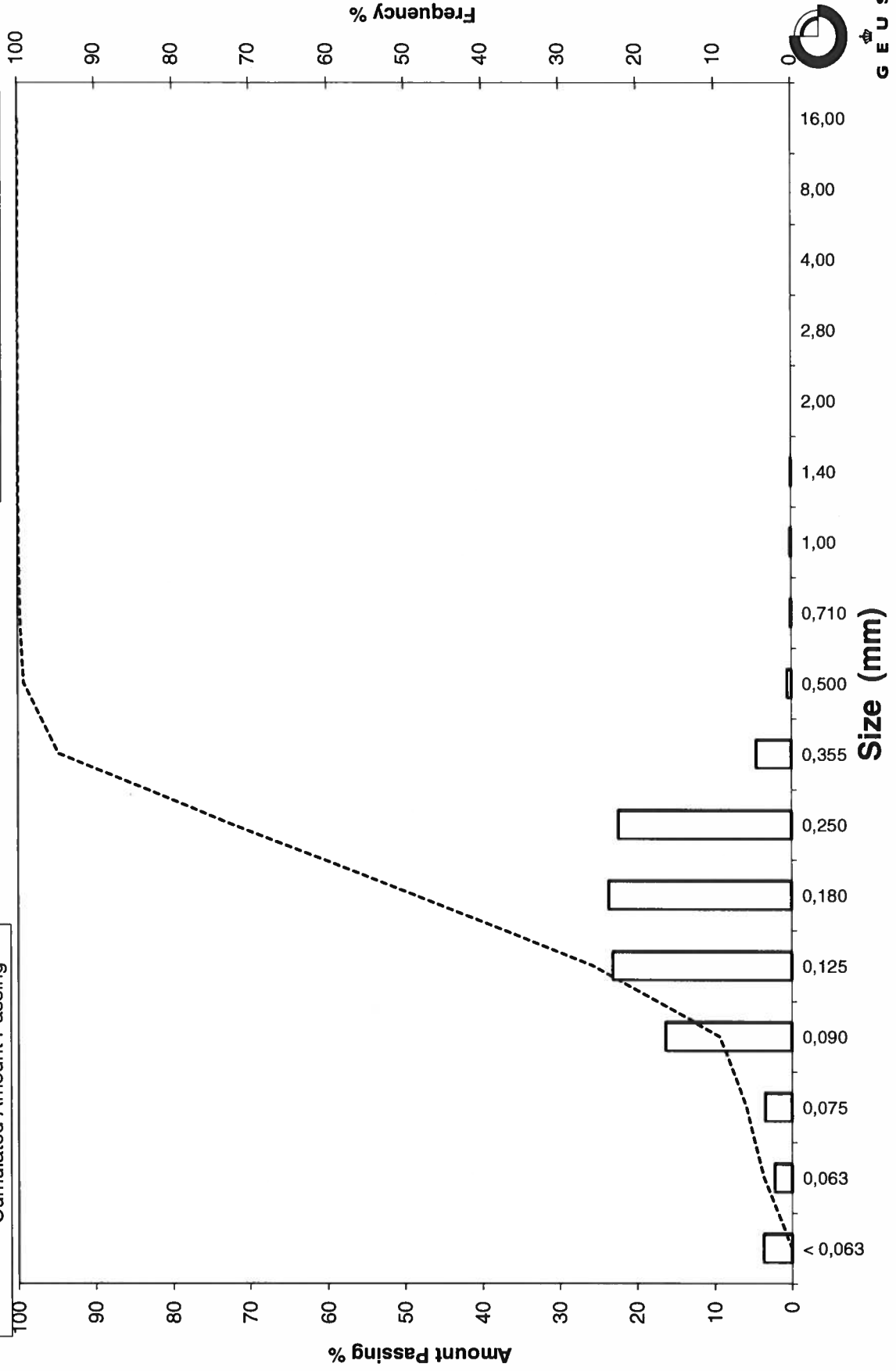
Size Classes and Percentiles are found by linear interpolation

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Grain Size Distribution

Sample Id: HR 33A, 50-150

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 34, 0-300
Lab. Id: 200834
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 103,29 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,23	0,22	99,78
2,00	-1,00	0,78	0,76	99,02
1,40	-0,49	1,29	1,25	97,77
1,00	0,00	4,45	4,31	93,47
0,710	0,49	6,71	6,50	86,97
0,500	1,00	9,15	8,86	78,11
0,355	1,49	10,98	10,63	67,48
0,250	2,00	17,13	16,58	50,90
0,180	2,47	18,81	18,21	32,68
0,125	3,00	18,10	17,52	15,16
0,090	3,47	7,85	7,60	7,56
0,075	3,74	2,29	2,22	5,34
0,063	3,99	1,71	1,66	3,69
< 0,063	> 3,99	3,81	3,69	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,69
Sand, fine (0,063 mm - 0,200 mm):	34,20
Sand, medium (0,2 mm - 0,6 mm):	44,44
Sand, coarse (0,6 mm - 2 mm):	16,69
Gravel (> 2 mm):	0,98
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%	0,64	0,64
25%	75%	0,46	1,13
40%	60%	0,31	1,70
Median 50%	50%	0,25	2,02
75%	25%	0,16	2,68
84%	16%	0,13	2,97
90%	10%	0,10	3,30
95%	5%	0,07	3,79

Moments Statistics

Mean	1,88
Sorting	1,18
Skewness	-0,15
Kurtosis	1,05
Uniformity Coefficient	3,04

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 $(d_{60\%} / d_{10\%})$ (dgt-Bulletin 1988)

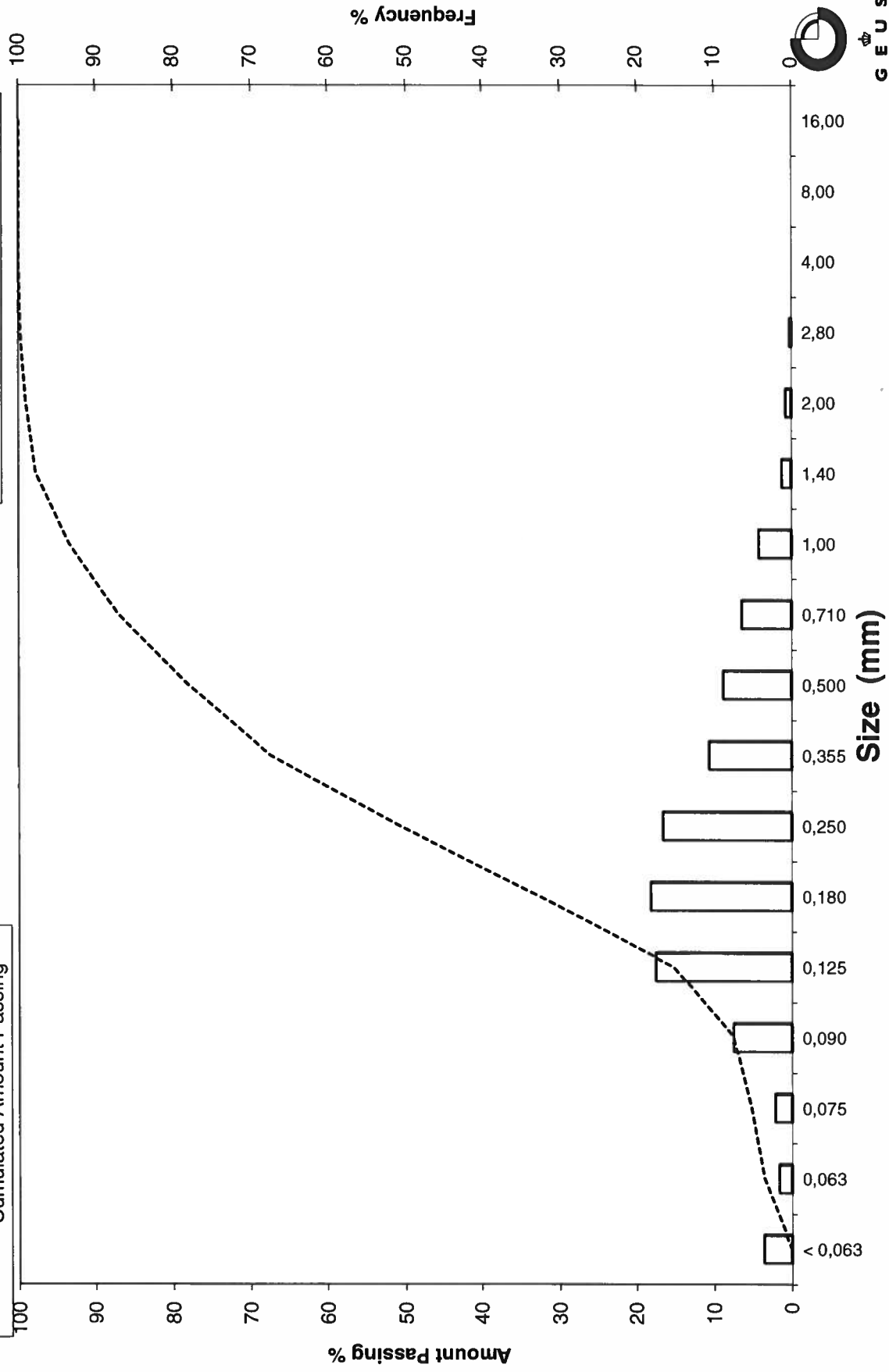
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 34, 0-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 41, 0-500
Lab. Id: 200835
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 130,98 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	0,46	0,35	99,65
2,80	-1,49	0,82	0,63	99,02
2,00	-1,00	2,67	2,04	96,98
1,40	-0,49	6,50	4,96	92,02
1,00	0,00	11,67	8,91	83,11
0,710	0,49	14,91	11,38	71,73
0,500	1,00	25,81	19,71	52,02
0,355	1,49	46,91	35,81	16,21
0,250	2,00	18,40	14,05	2,16
0,180	2,47	1,26	0,96	1,20
0,125	3,00	0,44	0,34	0,86
0,090	3,47	0,25	0,19	0,67
0,075	3,74	0,09	0,07	0,60
0,063	3,99	0,07	0,05	0,55
< 0,063	> 3,99	0,72	0,55	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,55
Sand, fine (0,063 mm - 0,200 mm):	0,92
Sand, medium (0,2 mm - 0,6 mm):	59,93
Sand, coarse (0,6 mm - 2 mm):	35,58
Gravel (> 2 mm):	3,02
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,76	-0,82
16%	84%	1,04	-0,06
25%	75%	0,79	0,33
40%	60%	0,59	0,77
Median 50%	50%	0,49	1,02
75%	25%	0,39	1,36
84%	16%	0,35	1,50
90%	10%	0,31	1,70
95%	5%	0,27	1,88

Moments Statistics

Mean	0,82
Sorting	0,80
Skewness	-0,38
Kurtosis	1,08
Uniformity Coefficient	1,90

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

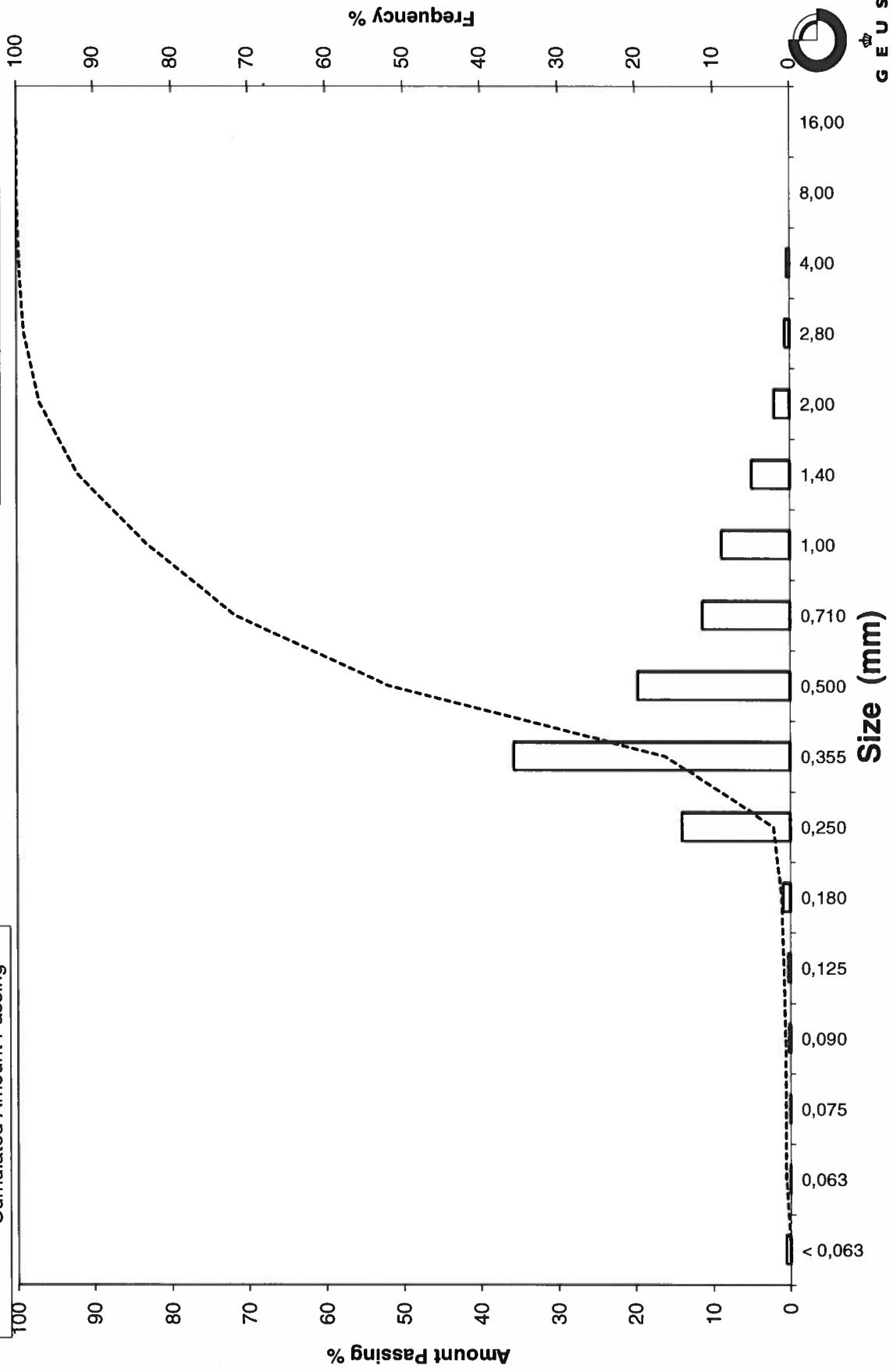
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 41, 0-500

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 42, 140-300
Lab. Id: 200836
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 158,25 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	2,22	1,40	98,60
2,80	-1,49	9,46	5,98	92,62
2,00	-1,00	24,56	15,52	77,10
1,40	-0,49	40,61	25,66	51,44
1,00	0,00	33,60	21,23	30,21
0,710	0,49	15,89	10,04	20,16
0,500	1,00	11,48	7,25	12,91
0,355	1,49	7,43	4,70	8,21
0,250	2,00	4,69	2,96	5,25
0,180	2,47	2,55	1,61	3,64
0,125	3,00	1,94	1,23	2,41
0,090	3,47	0,90	0,57	1,85
0,075	3,74	0,30	0,19	1,66
0,063	3,99	0,22	0,14	1,52
< 0,063	> 3,99	2,40	1,52	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,52
Sand, fine (0,063 mm - 0,200 mm):	2,58
Sand, medium (0,2 mm - 0,6 mm):	12,26
Sand, coarse (0,6 mm - 2 mm):	60,74
Gravel (> 2 mm):	22,90
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	3,28	-1,71
16%	84%	2,36	-1,24
25%	75%	1,95	-0,96
40%	60%	1,60	-0,68
Median 50%	50%	1,37	-0,46
75%	25%	0,85	0,24
84%	16%	0,59	0,76
90%	10%	0,41	1,29
95%	5%	0,24	2,06

Moments Statistics

Mean	-0,31
Sorting	1,07
Skewness	0,28
Kurtosis	1,29
Uniformity Coefficient	3,90

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

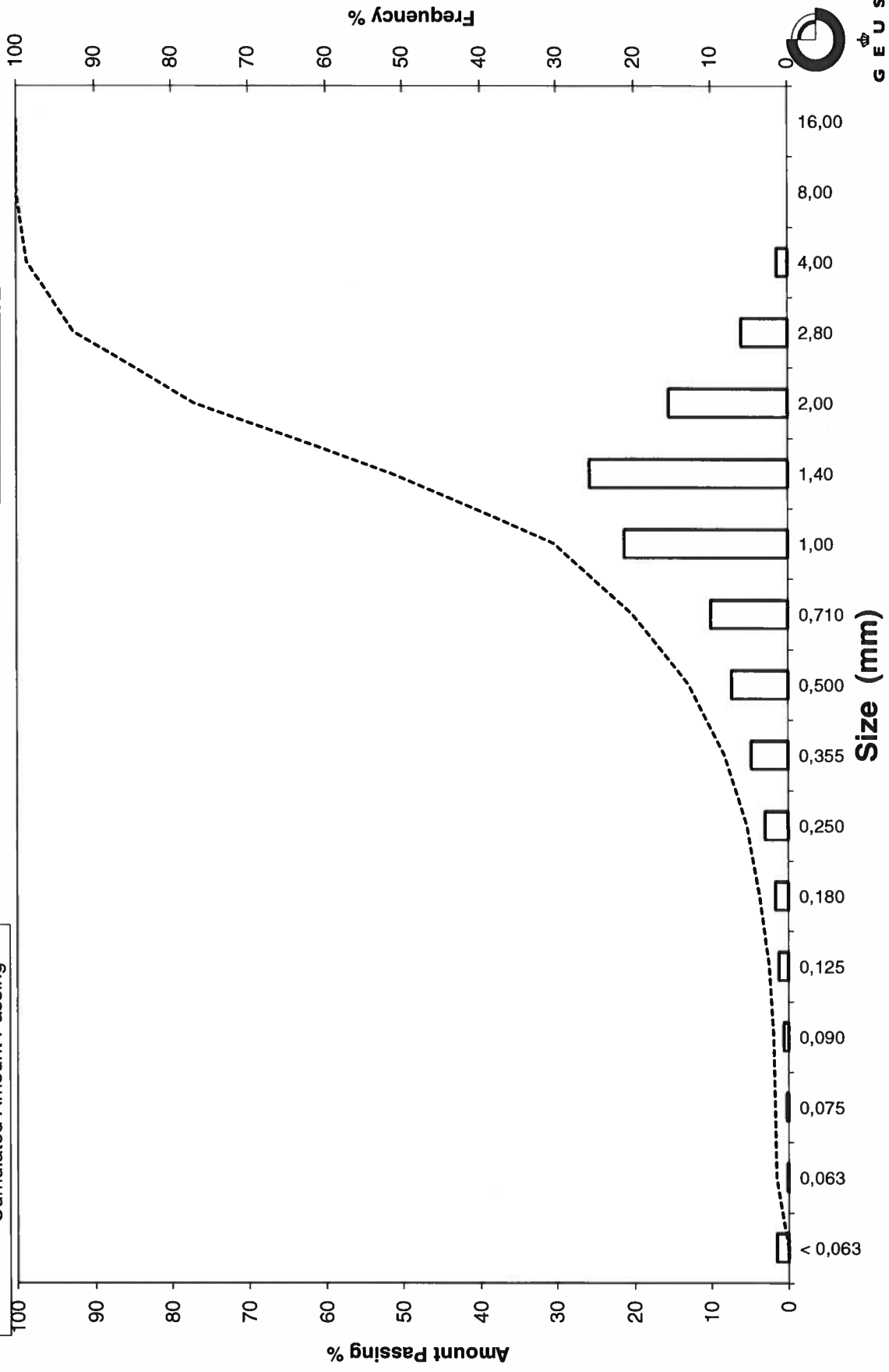
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 42, 140-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 43, 0-500
Lab. Id: 200837
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm består af skaller



Total Weight 109,97 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,14	0,13	99,87
2,80	-1,49	0,00	0,00	99,87
2,00	-1,00	0,09	0,08	99,79
1,40	-0,49	0,59	0,54	99,25
1,00	0,00	5,35	4,86	94,39
0,710	0,49	12,55	11,41	82,98
0,500	1,00	22,64	20,59	62,39
0,355	1,49	37,59	34,18	28,21
0,250	2,00	25,13	22,85	5,36
0,180	2,47	3,58	3,26	2,10
0,125	3,00	0,85	0,77	1,33
0,090	3,47	0,22	0,20	1,13
0,075	3,74	0,06	0,05	1,07
0,063	3,99	0,04	0,04	1,04
< 0,063	> 3,99	1,14	1,04	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,04
Sand, fine (0,063 mm - 0,200 mm):	1,99
Sand, medium (0,2 mm - 0,6 mm):	69,16
Sand, coarse (0,6 mm - 2 mm):	27,60
Gravel (> 2 mm):	0,21
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,05	-0,07
16%	84%	0,74	0,44
25%	75%	0,63	0,67
40%	60%	0,49	1,03
Median 50%	50%	0,45	1,16
75%	25%	0,34	1,56
84%	16%	0,30	1,74
90%	10%	0,27	1,88
95%	5%	0,24	2,04

Moments Statistics

Mean	1,11
Sorting	0,65
Skewness	-0,13
Kurtosis	0,98
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)

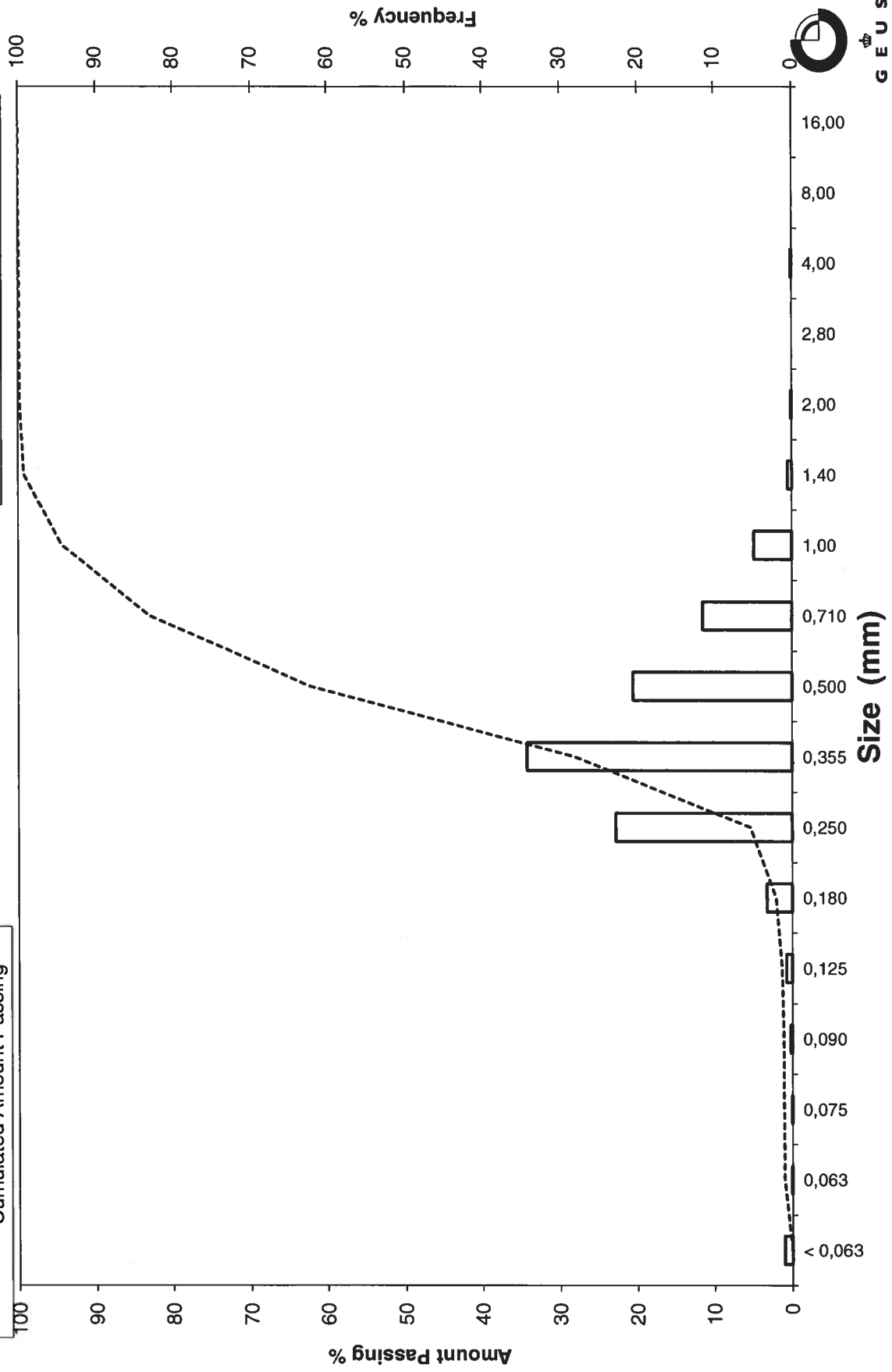
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 43, 0-500

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 44, 0-500
Lab. Id: 200838
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >16mm består af skaller



Total Weight 150,93 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	3,42	2,27	97,73
8,00	-3,00	5,36	3,55	94,18
4,00	-2,00	1,14	0,76	93,43
2,80	-1,49	1,19	0,79	92,64
2,00	-1,00	2,89	1,91	90,72
1,40	-0,49	5,08	3,37	87,36
1,00	0,00	10,63	7,04	80,32
0,710	0,49	15,61	10,34	69,97
0,500	1,00	40,88	27,09	42,89
0,355	1,49	52,16	34,56	8,33
0,250	2,00	9,15	6,06	2,27
0,180	2,47	1,20	0,80	1,47
0,125	3,00	0,46	0,30	1,17
0,090	3,47	0,21	0,14	1,03
0,075	3,74	0,08	0,05	0,97
0,063	3,99	0,05	0,03	0,94
< 0,063	> 3,99	1,42	0,94	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,94
Sand, fine (0,063 mm - 0,200 mm):	0,76
Sand, medium (0,2 mm - 0,6 mm):	54,09
Sand, coarse (0,6 mm - 2 mm):	34,94
Gravel (> 2 mm):	9,28
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	9,84	-3,30
16%	84%	1,21	-0,27
25%	75%	0,85	0,23
40%	60%	0,63	0,66
Median 50%	50%	0,56	0,85
75%	25%	0,42	1,23
84%	16%	0,39	1,37
90%	10%	0,36	1,47
95%	5%	0,30	1,75

Moments Statistics

Mean	0,65
Sorting	1,18
Skewness	-0,51
Kurtosis	2,07
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)

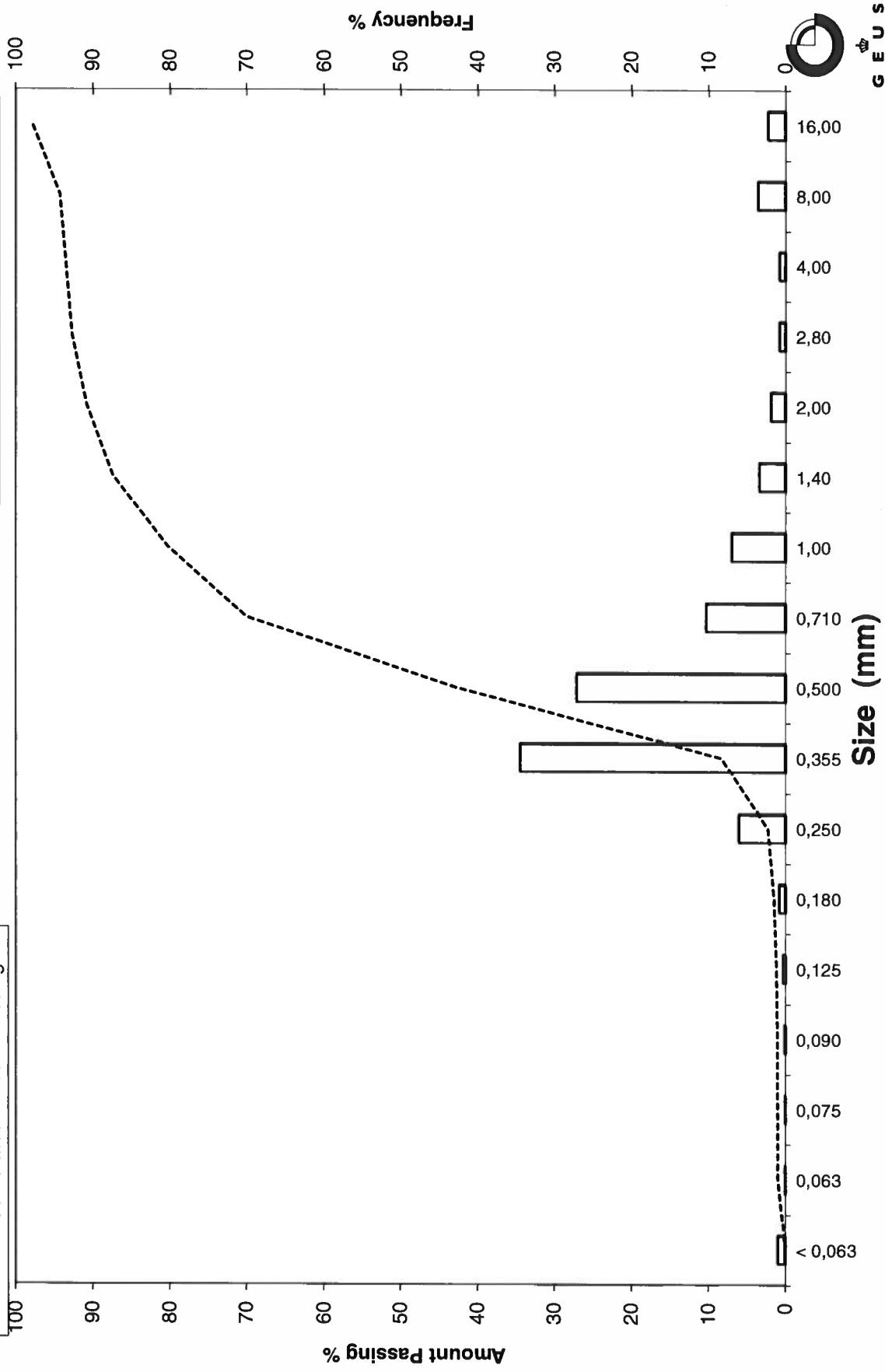
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 44, 0-500

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 45, 0-100
Lab. Id: 200839
Projekt: MST Råstofkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm består af skaller



Total Weight 95,97 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	0,01	0,01	99,99
2,80	-1,49	0,00	0,00	99,99
2,00	-1,00	0,03	0,03	99,96
1,40	-0,49	0,03	0,03	99,93
1,00	0,00	0,10	0,10	99,82
0,710	0,49	0,20	0,21	99,61
0,500	1,00	1,98	2,06	97,55
0,355	1,49	8,77	9,14	88,41
0,250	2,00	18,99	19,79	68,63
0,180	2,47	20,90	21,78	46,85
0,125	3,00	30,06	31,32	15,53
0,090	3,47	9,60	10,00	5,52
0,075	3,74	1,48	1,54	3,98
0,063	3,99	0,92	0,96	3,02
< 0,063	> 3,99	2,90	3,02	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,02
Sand, fine (0,063 mm - 0,200 mm):	50,05
Sand, medium (0,2 mm - 0,6 mm):	45,46
Sand, coarse (0,6 mm - 2 mm):	1,42
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%	0,46	1,12
16%	84%	0,33	1,59
25%	75%	0,28	1,82
40%	60%	0,22	2,17
Median 50%	50%	0,19	2,39
75%	25%	0,14	2,82
84%	16%	0,13	2,99
90%	10%	0,11	3,24
95%	5%	0,08	3,56

Moments Statistics

Mean	2,33
Sorting	0,72
Skewness	-0,10
Kurtosis	1,00
Uniformity Coefficient	2,10

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

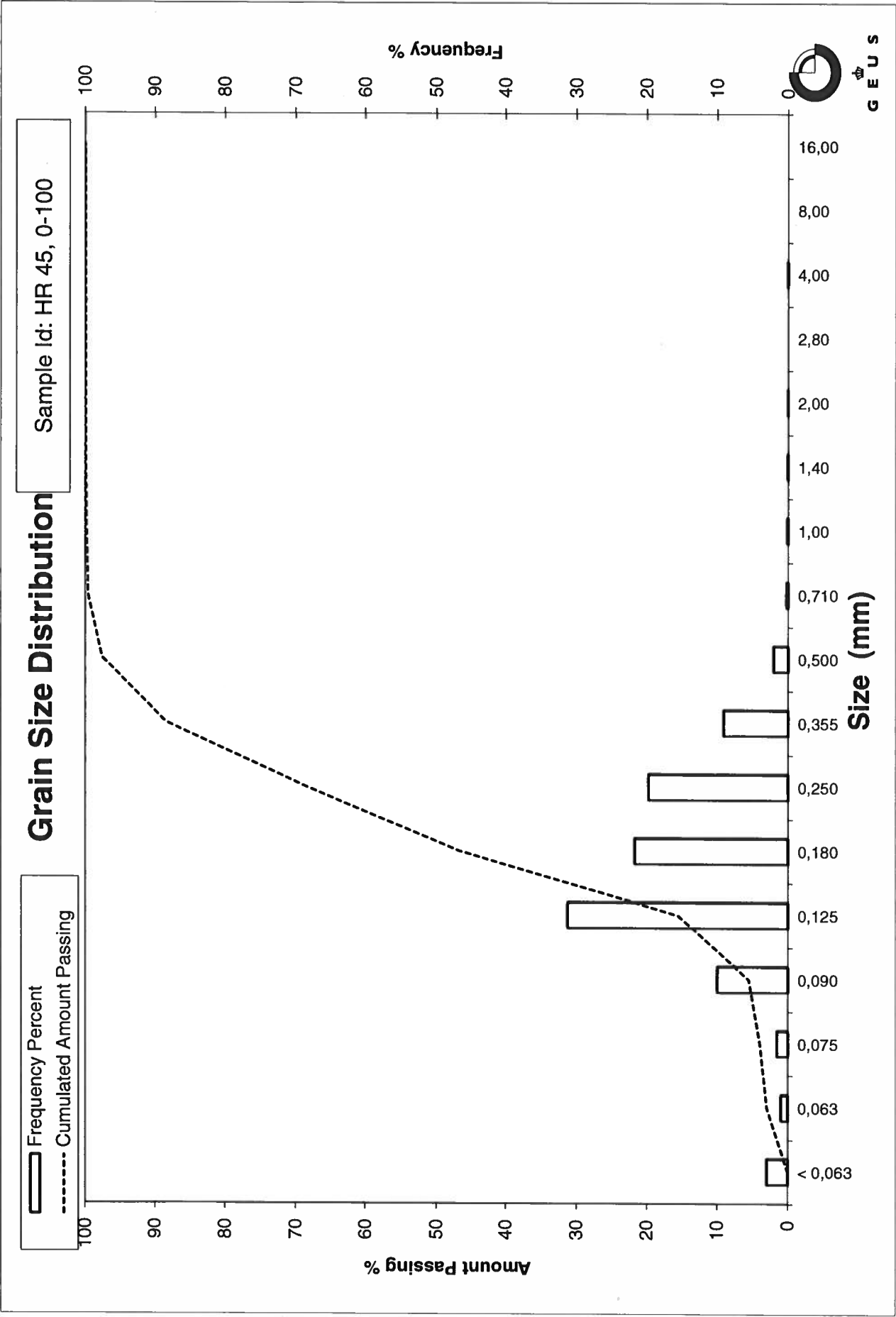
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

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

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Grain Size Distribution

Geotechnical

Sample Id: HR 46, 0-200
Lab. Id: 200840
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 103,51 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,27	0,26	99,74
2,00	-1,00	0,69	0,67	99,07
1,40	-0,49	1,41	1,36	97,71
1,00	0,00	5,00	4,83	92,88
0,710	0,49	6,82	6,59	86,29
0,500	1,00	12,81	12,38	73,92
0,355	1,49	18,10	17,49	56,43
0,250	2,00	17,60	17,00	39,43
0,180	2,47	17,68	17,08	22,35
0,125	3,00	15,89	15,35	6,99
0,090	3,47	3,03	2,93	4,07
0,075	3,74	0,53	0,51	3,56
0,063	3,99	0,32	0,31	3,25
< 0,063	> 3,99	3,36	3,25	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,25
Sand, fine (0,063 mm - 0,200 mm):	23,98
Sand, medium (0,2 mm - 0,6 mm):	52,58
Sand, coarse (0,6 mm - 2 mm):	19,26
Gravel (> 2 mm):	0,93
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,18	-0,23
16%	84%	0,67	0,58
25%	75%	0,52	0,95
40%	60%	0,38	1,38
Median 50%	50%	0,32	1,67
75%	25%	0,19	2,39
84%	16%	0,16	2,67
90%	10%	0,14	2,88
95%	5%	0,10	3,31

Moments Statistics

Mean	1,64
Sorting	1,06
Skewness	-0,06
Kurtosis	1,01
Uniformity Coefficient	2,83

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

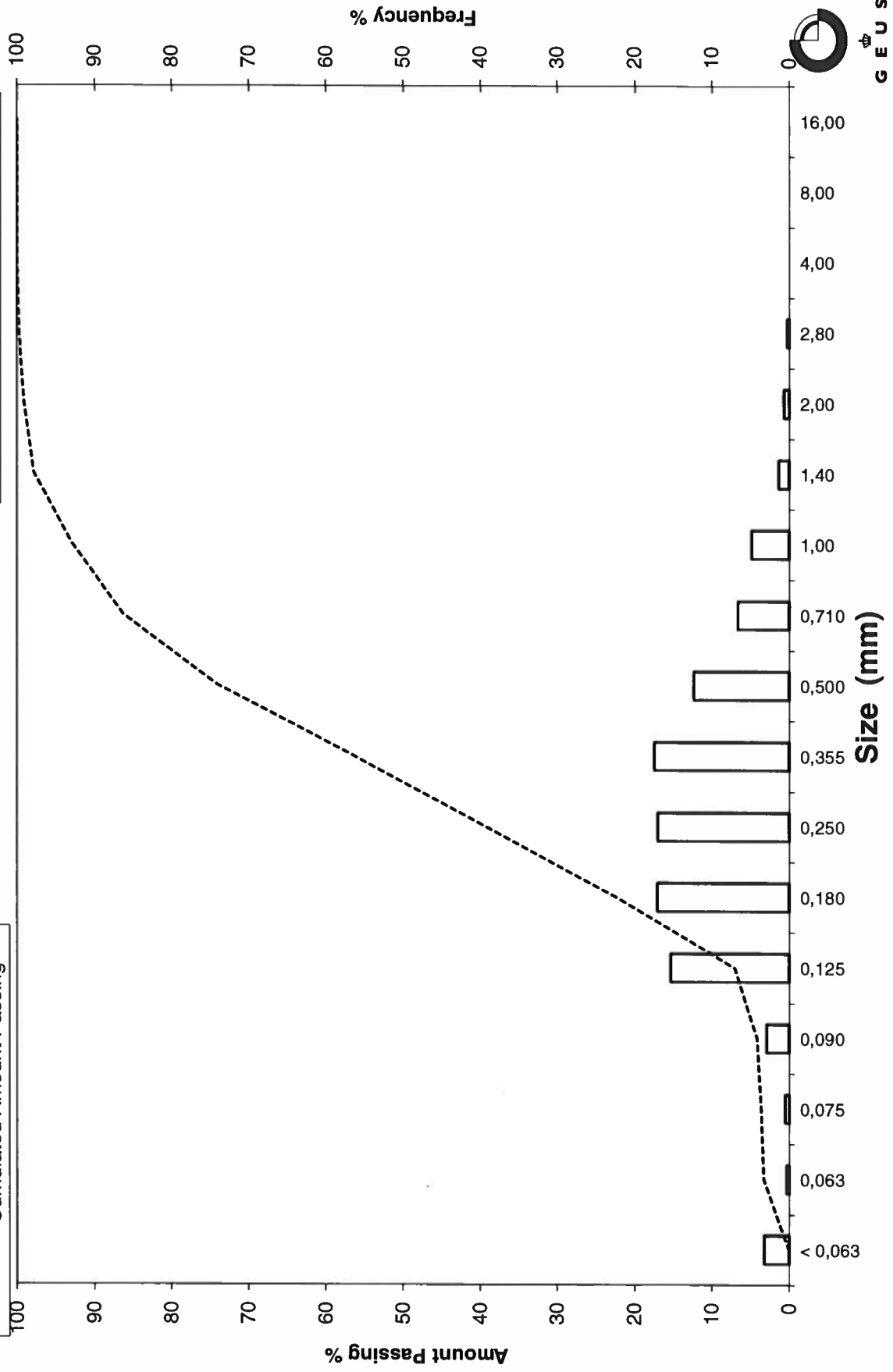
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 46, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 46, 300-450
Lab. Id: 200841
Projekt: MST Råstøfkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 115,95 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	1,44	1,24	98,76
2,80	-1,49	3,45	2,98	95,78
2,00	-1,00	5,47	4,72	91,07
1,40	-0,49	6,73	5,80	85,26
1,00	0,00	8,62	7,43	77,83
0,710	0,49	11,97	10,32	67,50
0,500	1,00	15,01	12,95	54,56
0,355	1,49	20,50	17,68	36,88
0,250	2,00	21,18	18,27	18,61
0,180	2,47	6,62	5,71	12,90
0,125	3,00	7,73	6,67	6,24
0,090	3,47	2,42	2,09	4,15
0,075	3,74	0,45	0,39	3,76
0,063	3,99	0,39	0,34	3,42
< 0,063	> 3,99	3,97	3,42	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,42
Sand, fine (0,063 mm - 0,200 mm):	11,11
Sand, medium (0,2 mm - 0,6 mm):	46,19
Sand, coarse (0,6 mm - 2 mm):	30,34
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%	2,67	-1,42
16%	84%	1,33	-0,41
25%	75%	0,92	0,12
40%	60%	0,59	0,77
Median 50%	50%	0,46	1,11
75%	25%	0,29	1,80
84%	16%	0,22	2,20
90%	10%	0,16	2,68
95%	5%	0,10	3,26

Moments Statistics

Mean	0,97
Sorting	1,36
Skewness	-0,12
Kurtosis	1,14
Uniformity Coefficient	3,77

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

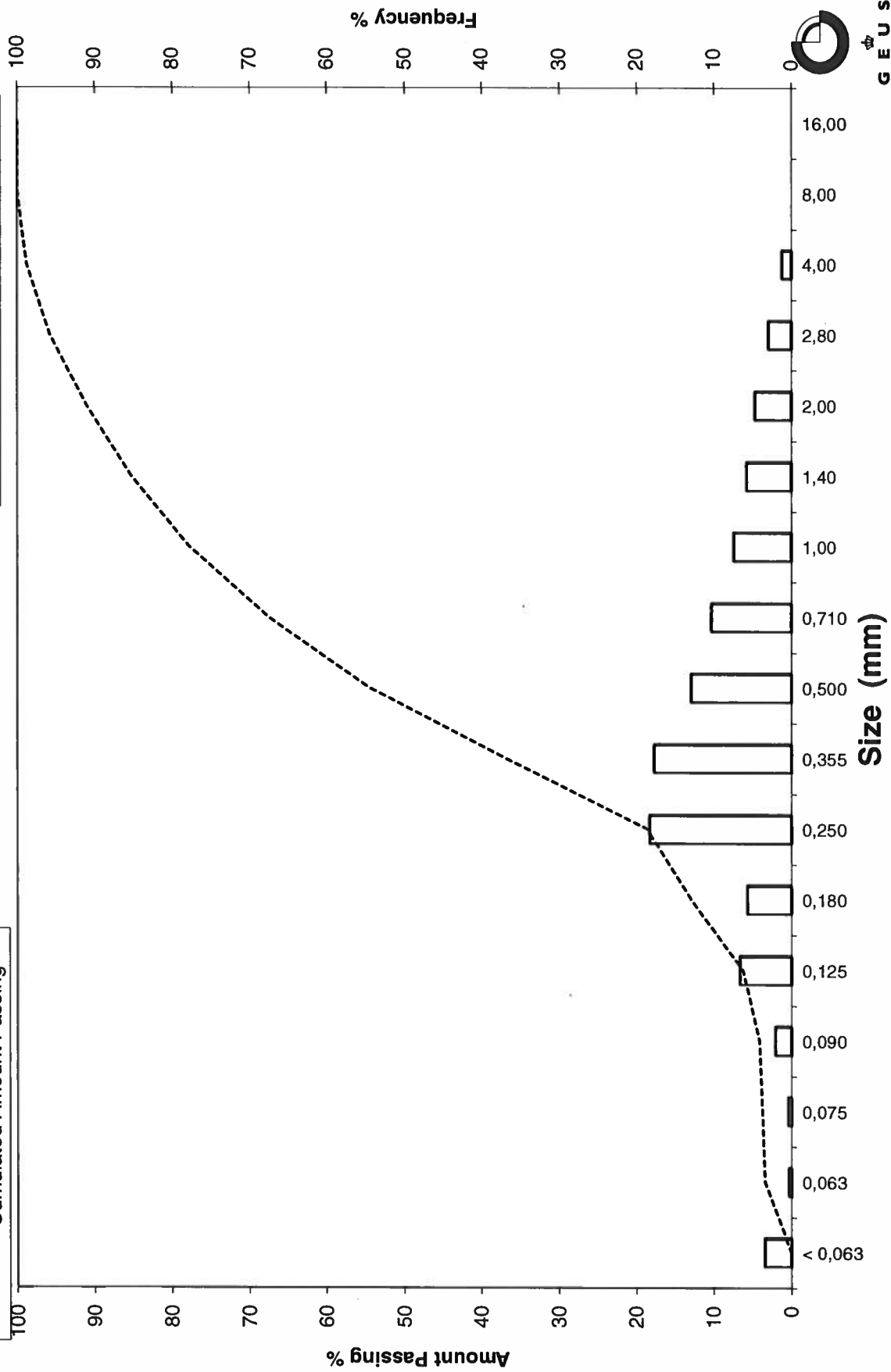
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 46, 300-450

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 47, 350-550
Lab. Id: 200842
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm heraf 0,3g skaller



Total Weight 112,73 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	0,65	0,58	99,42
2,80	-1,49	0,46	0,41	99,02
2,00	-1,00	0,30	0,27	98,75
1,40	-0,49	0,60	0,53	98,22
1,00	0,00	7,52	6,67	91,55
0,710	0,49	19,88	17,64	73,91
0,500	1,00	33,98	30,14	43,77
0,355	1,49	32,75	29,05	14,72
0,250	2,00	12,51	11,10	3,62
0,180	2,47	2,03	1,80	1,82
0,125	3,00	0,57	0,51	1,31
0,090	3,47	0,21	0,19	1,13
0,075	3,74	0,06	0,05	1,07
0,063	3,99	0,04	0,04	1,04
< 0,063	> 3,99	1,17	1,04	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,04
Sand, fine (0,063 mm - 0,200 mm):	1,30
Sand, medium (0,2 mm - 0,6 mm):	55,79
Sand, coarse (0,6 mm - 2 mm):	40,63
Gravel (> 2 mm):	1,25
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,21	-0,27
16%	84%	0,88	0,19
25%	75%	0,73	0,46
40%	60%	0,61	0,71
Median 50%	50%	0,54	0,88
75%	25%	0,41	1,30
84%	16%	0,36	1,47
90%	10%	0,31	1,69
95%	5%	0,26	1,93

Moments Statistics

Mean	0,85
Sorting	0,65
Skewness	-0,06
Kurtosis	1,07
Uniformity Coefficient	1,98

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

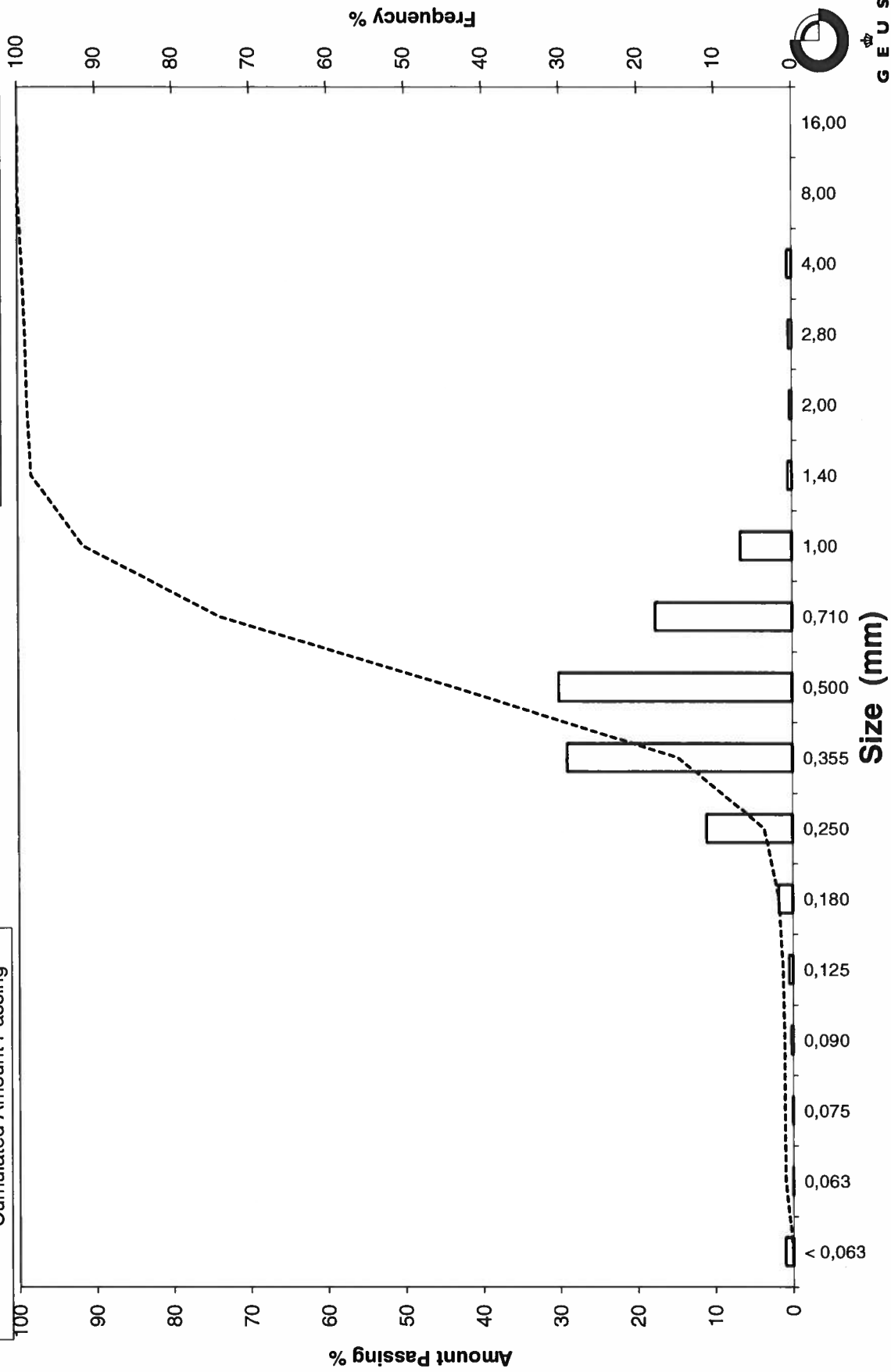
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 47, 350-550

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HR 50, 0-300
Lab. Id: 200843
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 108,11 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	0,11	0,10	99,90
2,00	-1,00	0,25	0,23	99,67
1,40	-0,49	0,72	0,67	99,00
1,00	0,00	1,36	1,26	97,74
0,710	0,49	1,68	1,55	96,19
0,500	1,00	4,73	4,38	91,81
0,355	1,49	21,75	20,12	71,70
0,250	2,00	47,90	44,31	27,39
0,180	2,47	15,18	14,04	13,35
0,125	3,00	6,82	6,31	7,04
0,090	3,47	3,35	3,10	3,94
0,075	3,74	0,91	0,84	3,10
0,063	3,99	0,63	0,58	2,52
< 0,063	> 3,99	2,72	2,52	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,52
Sand, fine (0,063 mm - 0,200 mm):	14,84
Sand, medium (0,2 mm - 0,6 mm):	76,54
Sand, coarse (0,6 mm - 2 mm):	5,77
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%	0,65	0,62
16%	84%	0,44	1,17
25%	75%	0,38	1,40
40%	60%	0,33	1,61
Median 50%	50%	0,30	1,72
75%	25%	0,24	2,07
84%	16%	0,19	2,37
90%	10%	0,15	2,73
95%	5%	0,10	3,29

Moments Statistics

Mean	1,75
Sorting	0,71
Skewness	0,13
Kurtosis	1,64
Uniformity Coefficient	2,17

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

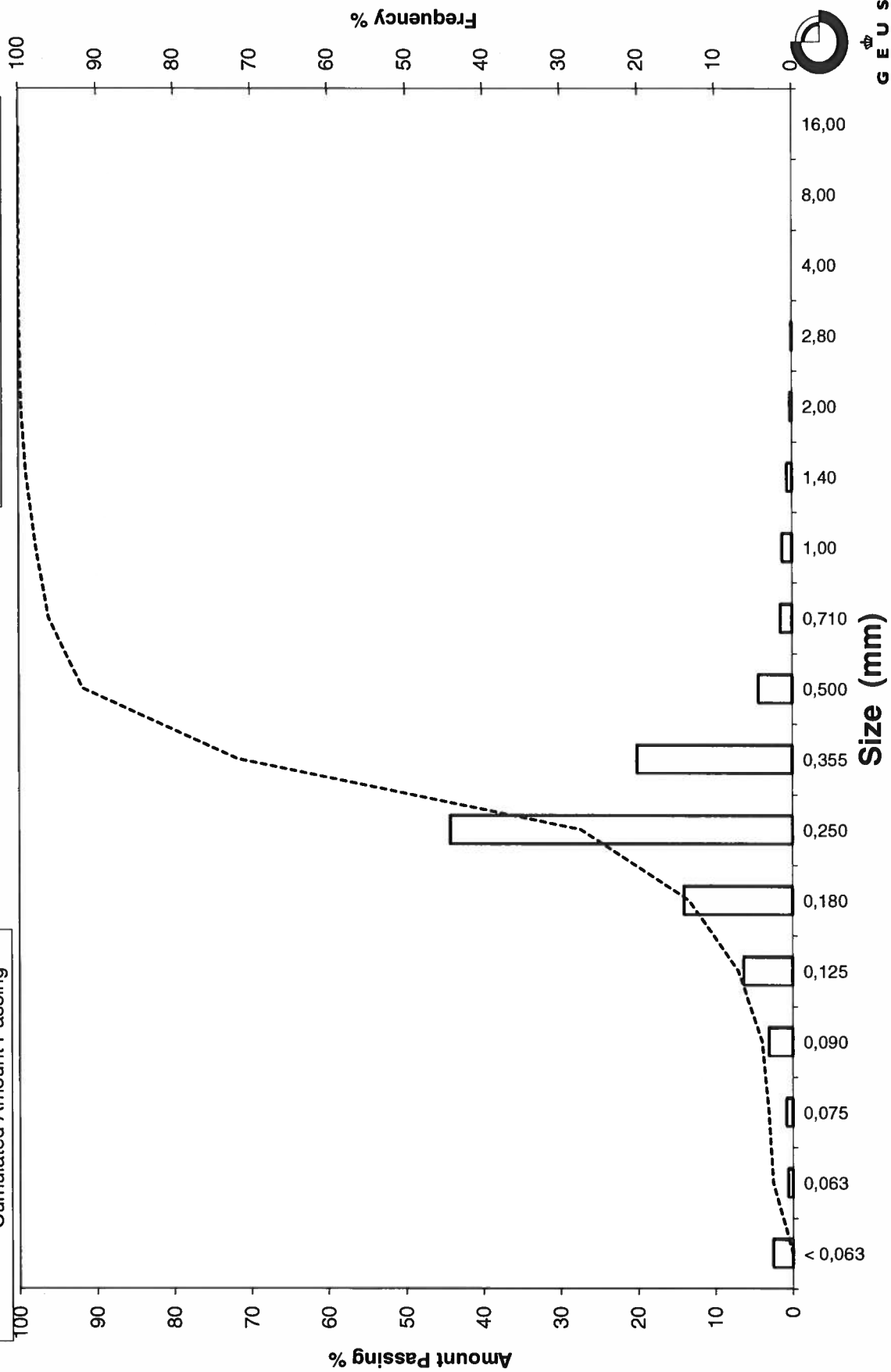
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HR 50, 0-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 04, 0-250
Lab. Id: 200844
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm består af skaller



Total Weight 93,66 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,08	0,09	99,91
2,00	-1,00	0,00	0,00	99,91
1,40	-0,49	0,10	0,11	99,81
1,00	0,00	0,33	0,35	99,46
0,710	0,49	0,44	0,47	98,99
0,500	1,00	0,67	0,72	98,27
0,355	1,49	0,81	0,86	97,41
0,250	2,00	0,49	0,52	96,88
0,180	2,47	2,99	3,19	93,69
0,125	3,00	57,09	60,95	32,74
0,090	3,47	24,41	26,06	6,67
0,075	3,74	3,32	3,54	3,13
0,063	3,99	1,02	1,09	2,04
< 0,063	> 3,99	1,91	2,04	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,04
Sand, fine (0,063 mm - 0,200 mm):	92,56
Sand, medium (0,2 mm - 0,6 mm):	4,01
Sand, coarse (0,6 mm - 2 mm):	1,30
Gravel (> 2 mm):	0,09
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,21	2,26
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%	0,11	3,13
84%	16%	0,10	3,29
90%	10%	0,09	3,40
95%	5%	0,08	3,59

Moments Statistics

Mean	2,89
Sorting	0,39
Skewness	0,19
Kurtosis	1,07
Uniformity Coefficient	1,58

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

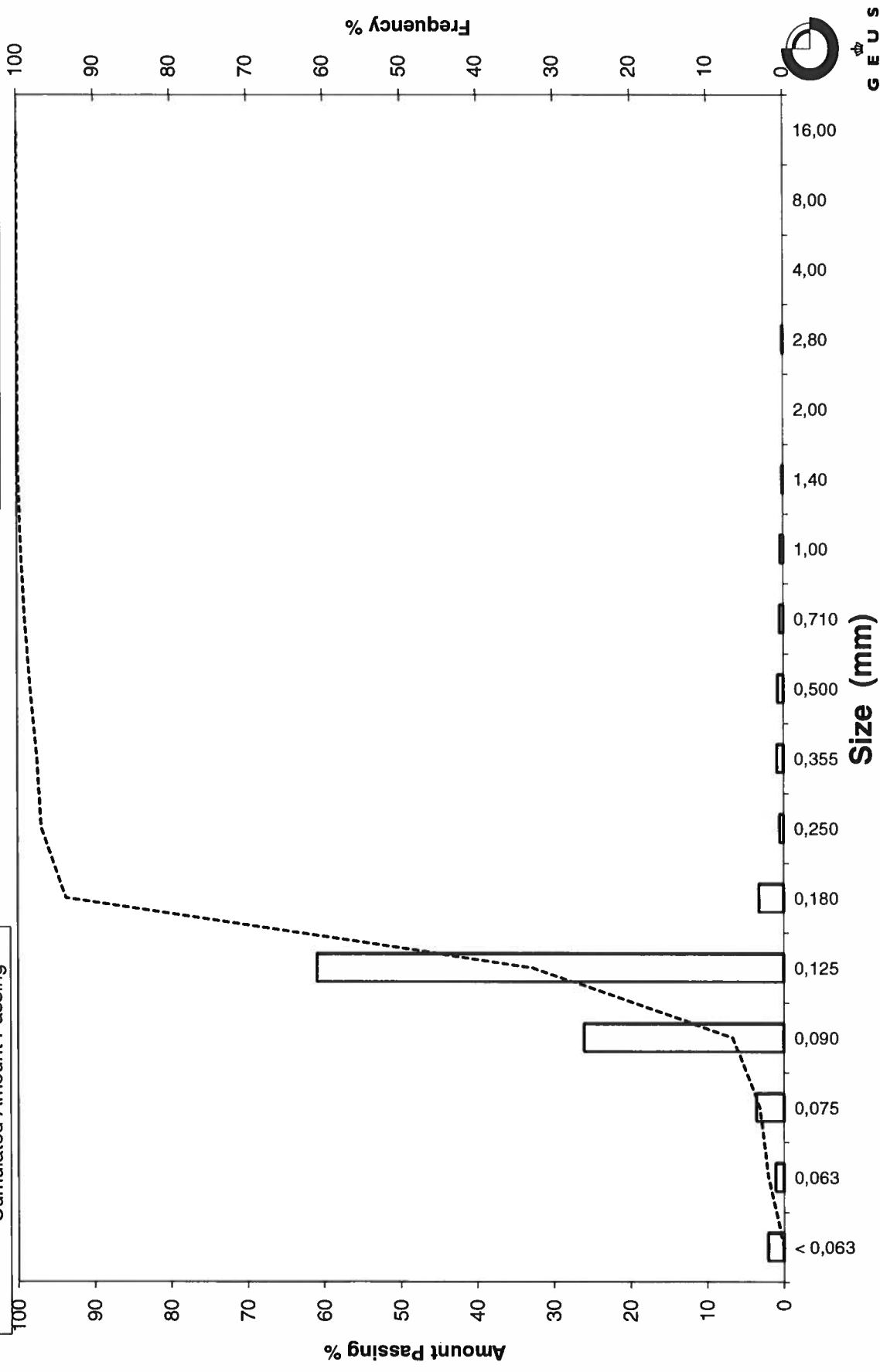
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: JAM 04, 0-250

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 06, 0-160
Lab. Id: 200845
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm består af skaller



Total Weight 95,55 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing %
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,10	0,10	99,90
2,80	-1,49	0,10	0,10	99,79
2,00	-1,00	0,00	0,00	99,79
1,40	-0,49	0,07	0,07	99,72
1,00	0,00	0,24	0,25	99,47
0,710	0,49	0,40	0,42	99,05
0,500	1,00	0,95	0,99	98,05
0,355	1,49	1,15	1,20	96,85
0,250	2,00	2,28	2,39	94,46
0,180	2,47	12,63	13,22	81,25
0,125	3,00	59,92	62,71	18,53
0,090	3,47	13,02	13,63	4,91
0,075	3,74	1,69	1,77	3,14
0,063	3,99	0,80	0,84	2,30
< 0,063	> 3,99	2,20	2,30	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,30
Sand, fine (0,063 mm - 0,200 mm):	82,72
Sand, medium (0,2 mm - 0,6 mm):	13,50
Sand, coarse (0,6 mm - 2 mm):	1,26
Gravel (> 2 mm):	0,21
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,27	1,87
16%	84%	0,19	2,36
25%	75%	0,17	2,52
40%	60%	0,16	2,63
Median 50%	50%	0,15	2,71
75%	25%	0,13	2,94
84%	16%	0,12	3,08
90%	10%	0,10	3,28
95%	5%	0,09	3,47

Moments Statistics

Mean	2,72
Sorting	0,42
Skewness	-0,02
Kurtosis	1,57
Uniformity Coefficient	1,57

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

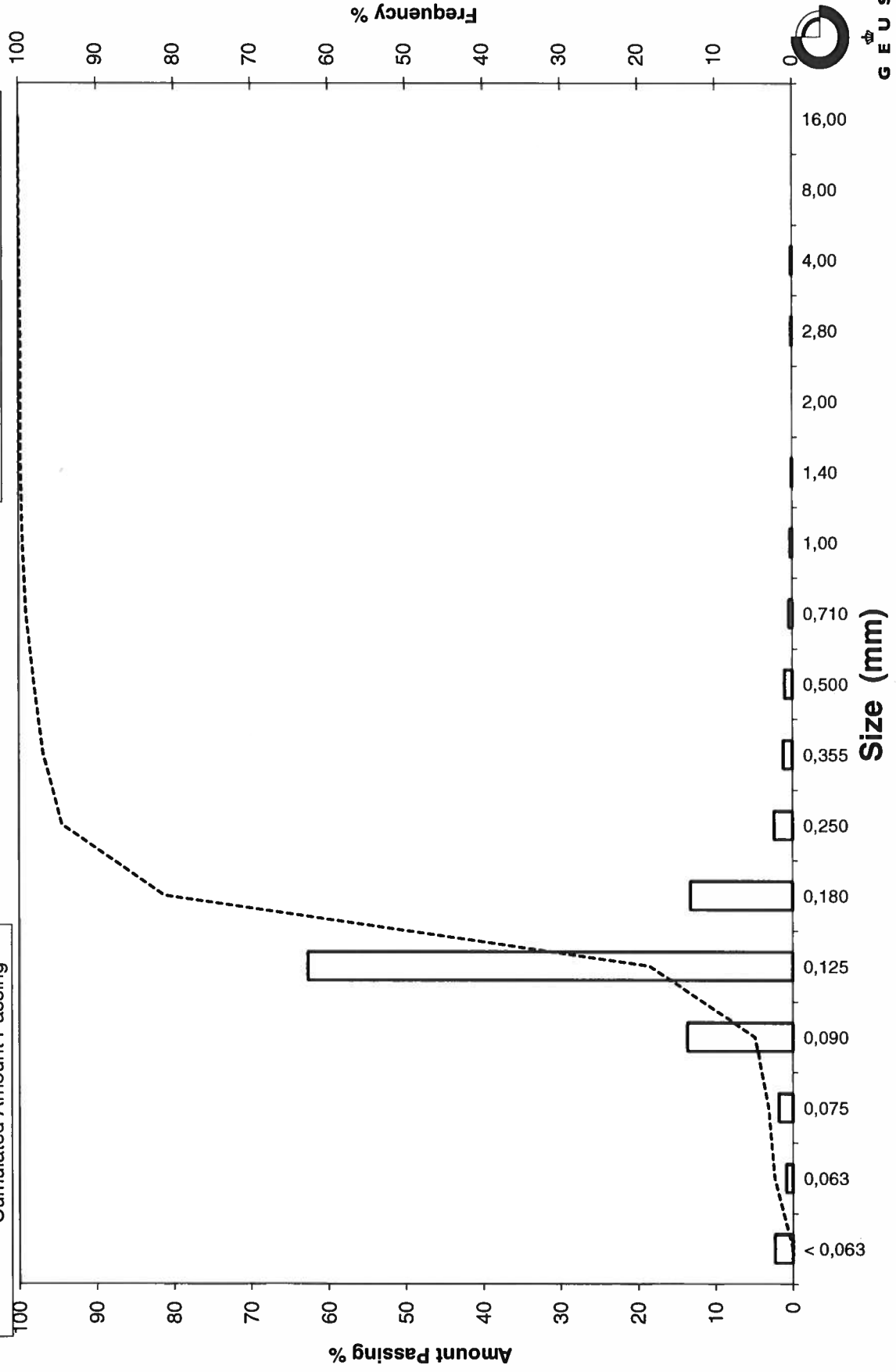
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: JAM 06, 0-160

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 08, 0-200
Lab. Id: 200846
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm består af skaller



Total Weight 93,69 g

Size Fractions

Sieve Analysis					
	Gravel		Sand		
	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,03	0,03	99,97
	2,00	-1,00	0,00	0,00	99,97
	1,40	-0,49	0,06	0,06	99,90
	1,00	0,00	0,11	0,12	99,79
	0,710	0,49	0,14	0,15	99,64
	0,500	1,00	0,16	0,17	99,47
	0,355	1,49	0,37	0,39	99,07
	0,250	2,00	0,24	0,26	98,82
	0,180	2,47	0,18	0,19	98,62
	0,125	3,00	4,22	4,50	94,12
	0,090	3,47	61,03	65,14	28,98
	0,075	3,74	11,85	12,65	16,33
	0,063	3,99	7,65	8,17	8,17
	< 0,063	> 3,99	7,65	8,17	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	8,17
Sand, fine (0,063 mm - 0,200 mm):	90,51
Sand, medium (0,2 mm - 0,6 mm):	0,87
Sand, coarse (0,6 mm - 2 mm):	0,42
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%	0,14	2,88
16%	84%	0,12	3,06
25%	75%	0,11	3,12
40%	60%	0,11	3,23
Median 50%	50%	0,10	3,30
75%	25%	0,09	3,55
84%	16%	0,07	3,75
90%	10%	0,07	3,93
95%	5%	-----	-----

Moments Statistics

Mean	3,37
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)

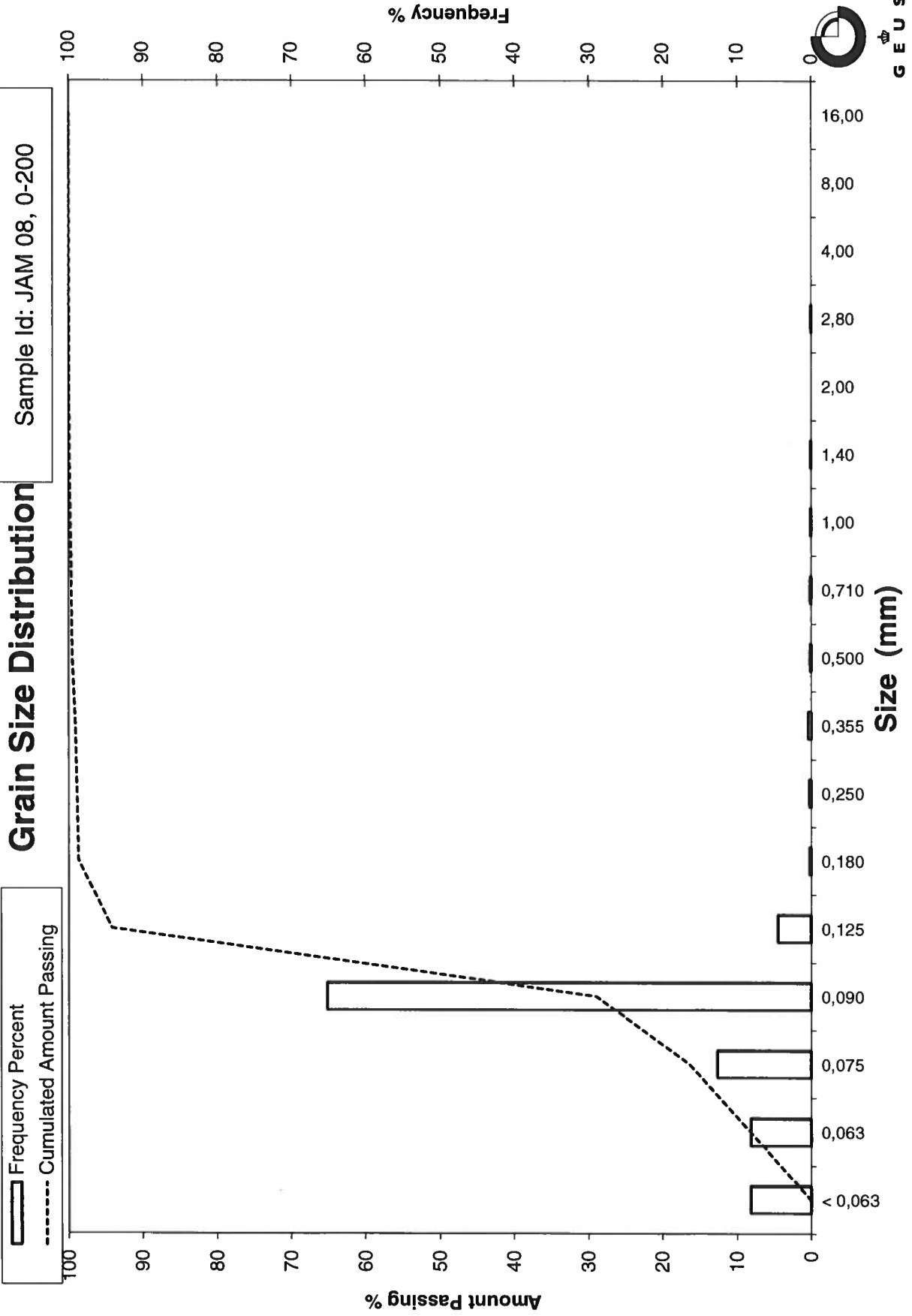
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: JAM 08, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 09, 0-140
Lab. Id: 200847
Projekt MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm består af skaller



Total Weight 99,36 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,08	0,08	99,92
2,80	-1,49	0,19	0,19	99,73
2,00	-1,00	0,00	0,00	99,73
1,40	-0,49	0,12	0,12	99,61
1,00	0,00	0,19	0,19	99,42
0,710	0,49	0,19	0,19	99,23
0,500	1,00	0,30	0,30	98,92
0,355	1,49	0,44	0,44	98,48
0,250	2,00	0,92	0,93	97,55
0,180	2,47	4,30	4,33	93,23
0,125	3,00	34,27	34,49	58,74
0,090	3,47	49,52	49,84	8,90
0,075	3,74	4,93	4,96	3,94
0,063	3,99	1,82	1,83	2,10
< 0,063	> 3,99	2,09	2,10	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,10
Sand, fine (0,063 mm - 0,200 mm):	92,36
Sand, medium (0,2 mm - 0,6 mm):	4,60
Sand, coarse (0,6 mm - 2 mm):	0,66
Gravel (> 2 mm):	0,27
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,21	2,26
16%	84%	0,17	2,60
25%	75%	0,15	2,73
40%	60%	0,13	2,98
Median 50%	50%	0,12	3,07
75%	25%	0,10	3,30
84%	16%	0,09	3,40
90%	10%	0,09	3,46
95%	5%	0,08	3,68

Moments Statistics

Mean	3,02
Sorting	0,41
Skewness	-0,17
Kurtosis	1,01
Uniformity Coefficient	1,40

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

Formulas

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

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

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

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

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

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

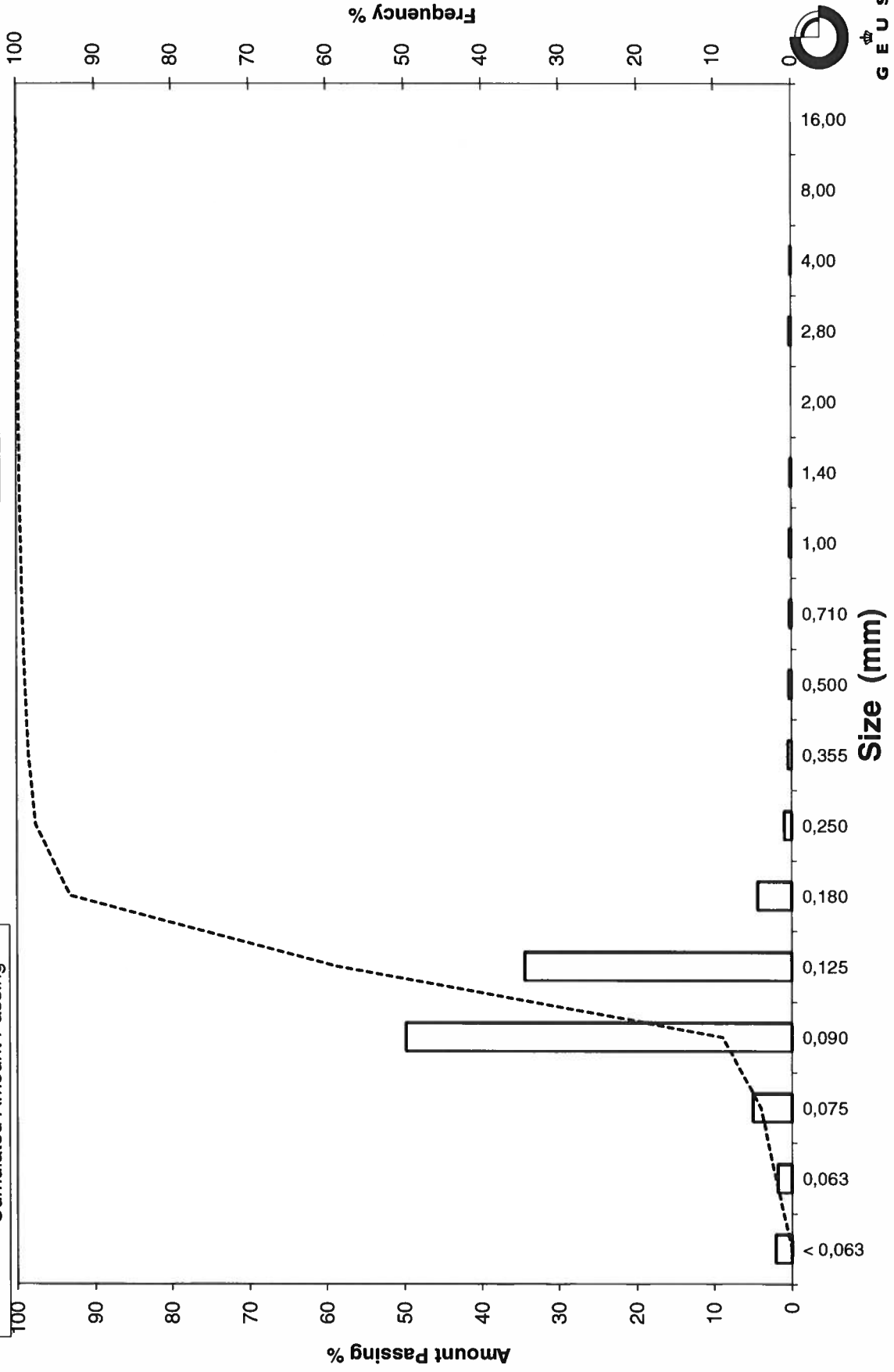
Size Classes and Percentiles are found by linear interpolation

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Grain Size Distribution

Sample Id: JAM 09, 0-140

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 15, 0-290
Lab. Id: 200848
Projekt MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm består af skaller



GEUS

Total Weight 97,53 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	0,07	0,07	99,93
	2,80	-1,49	0,00	0,00	99,93
	2,00	-1,00	0,04	0,04	99,89
	1,40	-0,49	0,03	0,03	99,86
Sand	1,00	0,00	0,18	0,18	99,67
	0,710	0,49	0,14	0,14	99,53
	0,500	1,00	0,25	0,26	99,27
	0,355	1,49	0,63	0,65	98,63
	0,250	2,00	1,98	2,03	96,60
	0,180	2,47	2,36	2,42	94,18
	0,125	3,00	26,89	27,57	66,61
	0,090	3,47	53,86	55,22	11,38
	0,075	3,74	5,76	5,91	5,48
	0,063	3,99	2,02	2,07	3,40
	< 0,063	> 3,99	3,32	3,40	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,40
Sand, fine (0,063 mm - 0,200 mm):	91,46
Sand, medium (0,2 mm - 0,6 mm):	4,53
Sand, coarse (0,6 mm - 2 mm):	0,49
Gravel (> 2 mm):	0,11
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,20	2,29
16%	84%	0,16	2,65
25%	75%	0,14	2,82
40%	60%	0,12	3,05
Median 50%	50%	0,11	3,13
75%	25%	0,10	3,34
84%	16%	0,09	3,43
90%	10%	0,09	3,53
95%	5%	0,07	3,79

Moments Statistics

Mean	3,07
Sorting	0,42
Skewness	-0,17
Kurtosis	1,17
Uniformity Coefficient	1,40

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

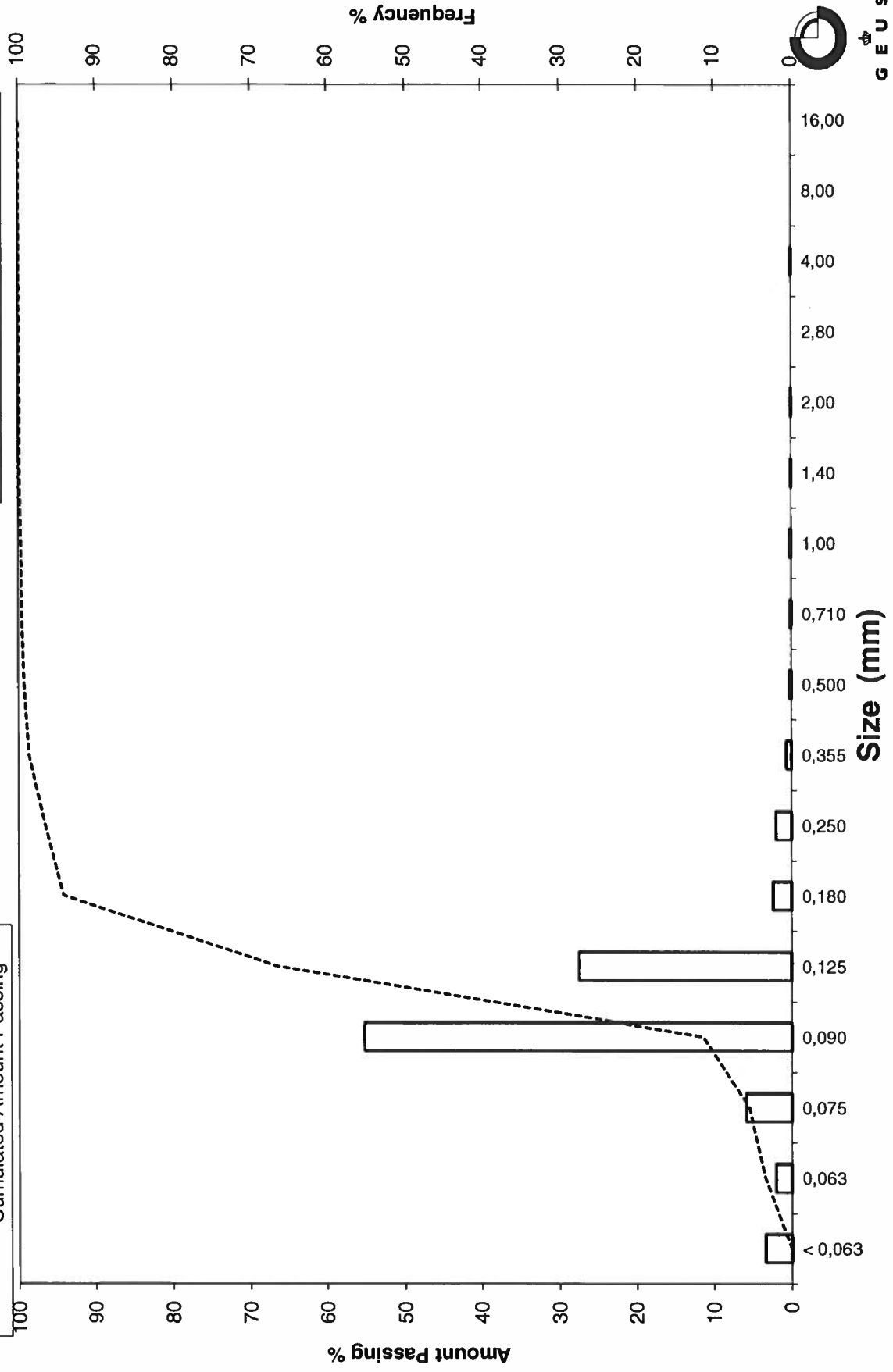
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: JAM 15, 0-290

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 18, 0-300
Lab. Id: 200849
Projekt MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 97,15 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	0,12	0,12	99,88
2,80	-1,49	0,12	0,12	99,75
2,00	-1,00	0,00	0,00	99,75
1,40	-0,49	0,07	0,07	99,68
1,00	0,00	0,13	0,13	99,55
0,710	0,49	0,10	0,10	99,44
0,500	1,00	0,15	0,15	99,29
0,355	1,49	0,27	0,28	99,01
0,250	2,00	0,51	0,52	98,49
0,180	2,47	1,48	1,52	96,96
0,125	3,00	22,69	23,36	73,61
0,090	3,47	58,72	60,44	13,17
0,075	3,74	7,11	7,32	5,85
0,063	3,99	2,82	2,90	2,94
< 0,063	> 3,99	2,86	2,94	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,94
Sand, fine (0,063 mm - 0,200 mm):	94,45
Sand, medium (0,2 mm - 0,6 mm):	1,96
Sand, coarse (0,6 mm - 2 mm):	0,39
Gravel (> 2 mm):	0,25
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,18	2,51
16%	84%	0,15	2,74
25%	75%	0,13	2,96
40%	60%	0,12	3,09
Median 50%	50%	0,11	3,17
75%	25%	0,10	3,37
84%	16%	0,09	3,45
90%	10%	0,08	3,58
95%	5%	0,07	3,81

Moments Statistics

Mean	3,12
Sorting	0,37
Skewness	-0,11
Kurtosis	1,31
Uniformity Coefficient	1,40

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

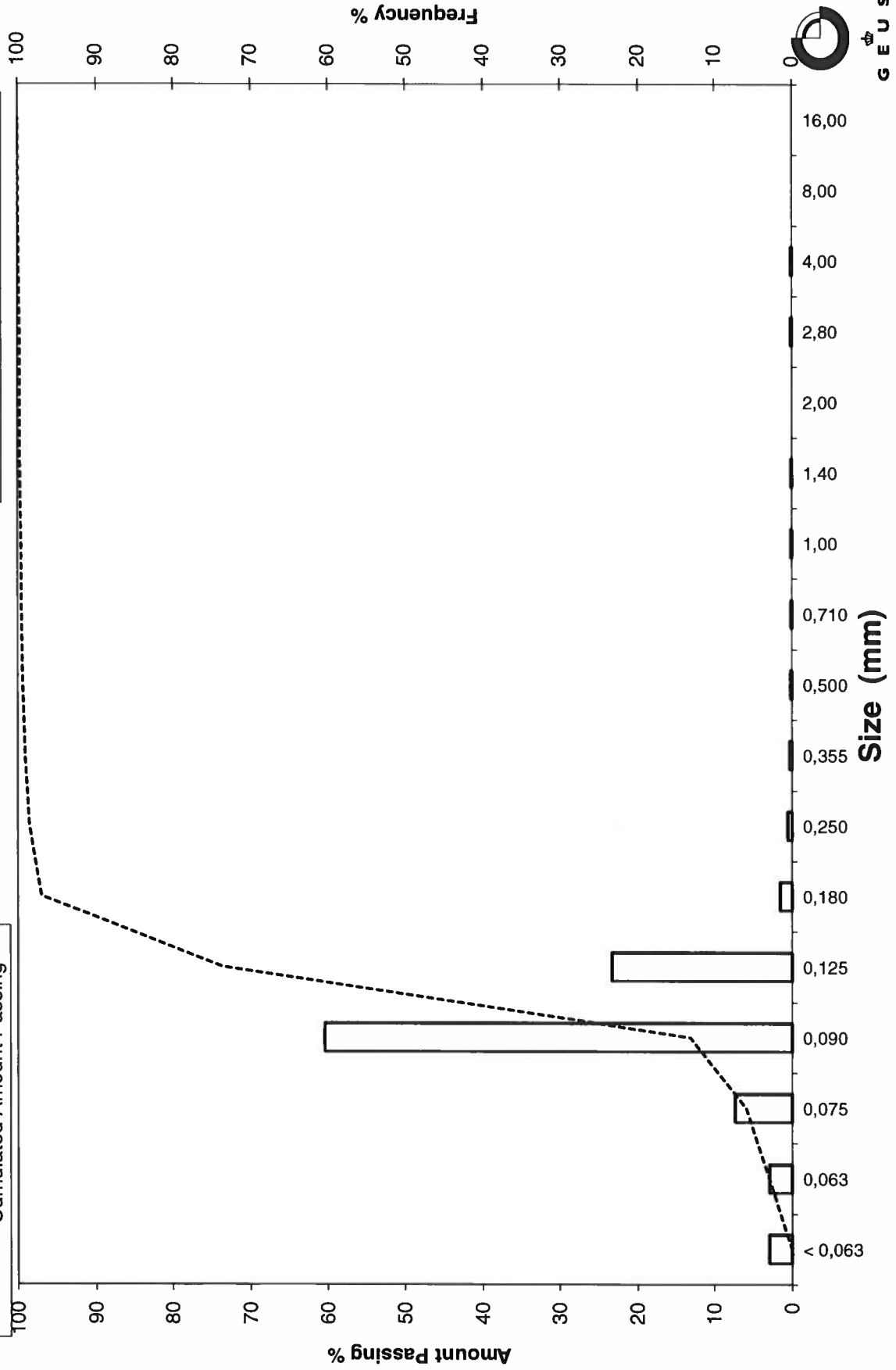
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: JAM 18, 0-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 27, 0-250
Lab. Id: 200850
Projekt: MST Råstofkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 125,07 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	0,42	0,34	99,66
	2,00	-1,00	0,53	0,42	99,24
	1,40	-0,49	0,70	0,56	98,68
	1,00	0,00	2,75	2,20	96,48
	0,710	0,49	4,96	3,97	92,52
	0,500	1,00	13,74	10,99	81,53
	0,355	1,49	33,75	26,98	54,55
Sand	0,250	2,00	45,35	36,26	18,29
	0,180	2,47	15,60	12,47	5,81
	0,125	3,00	4,50	3,60	2,21
	0,090	3,47	1,36	1,09	1,13
	0,075	3,74	0,20	0,16	0,97
	0,063	3,99	0,07	0,06	0,91
	< 0,063	> 3,99	1,14	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):	8,46
Sand, medium (0,2 mm - 0,6 mm):	77,39
Sand, coarse (0,6 mm - 2 mm):	12,48
Gravel (> 2 mm):	0,76
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,89	0,17
16%	84%	0,55	0,87
25%	75%	0,46	1,10
40%	60%	0,38	1,38
Median 50%	50%	0,34	1,55
75%	25%	0,27	1,89
84%	16%	0,24	2,08
90%	10%	0,20	2,30
95%	5%	0,17	2,58

Moments Statistics

Mean	1,50
Sorting	0,67
Skewness	-0,14
Kurtosis	1,26
Uniformity Coefficient	1,89

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

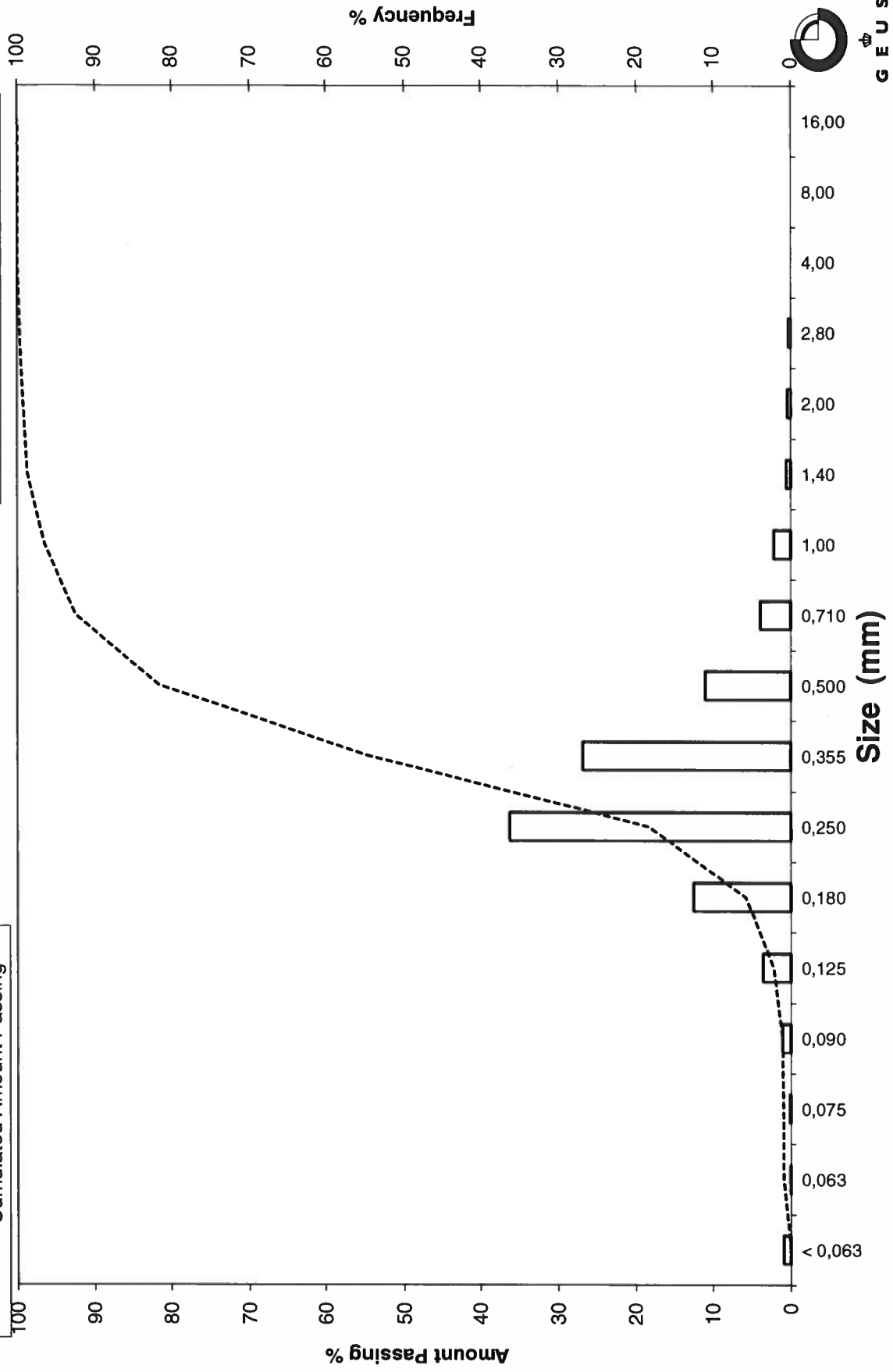
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: JAM 27, 0-250

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 33, 0-150
Lab. Id: 200851
Projekt MST Råstofkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 98,34 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,15	0,15	99,85
1,40	-0,49	0,17	0,17	99,67
1,00	0,00	0,25	0,25	99,42
0,710	0,49	0,30	0,31	99,12
0,500	1,00	1,03	1,05	98,07
0,355	1,49	2,67	2,72	95,35
0,250	2,00	8,40	8,54	86,81
0,180	2,47	22,17	22,54	64,27
0,125	3,00	40,98	41,67	22,60
0,090	3,47	17,92	18,22	4,37
0,075	3,74	1,17	1,19	3,18
0,063	3,99	0,49	0,50	2,68
< 0,063	> 3,99	2,64	2,68	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,68
Sand, fine (0,063 mm - 0,200 mm):	68,02
Sand, medium (0,2 mm - 0,6 mm):	27,86
Sand, coarse (0,6 mm - 2 mm):	1,28
Gravel (> 2 mm):	0,15
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,51
16%	84%	0,24	2,05
25%	75%	0,21	2,23
40%	60%	0,17	2,52
Median 50%	50%	0,16	2,63
75%	25%	0,13	2,96
84%	16%	0,11	3,15
90%	10%	0,10	3,31
95%	5%	0,09	3,45

Moments Statistics

Mean	2,61
Sorting	0,57
Skewness	-0,11
Kurtosis	1,08
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)

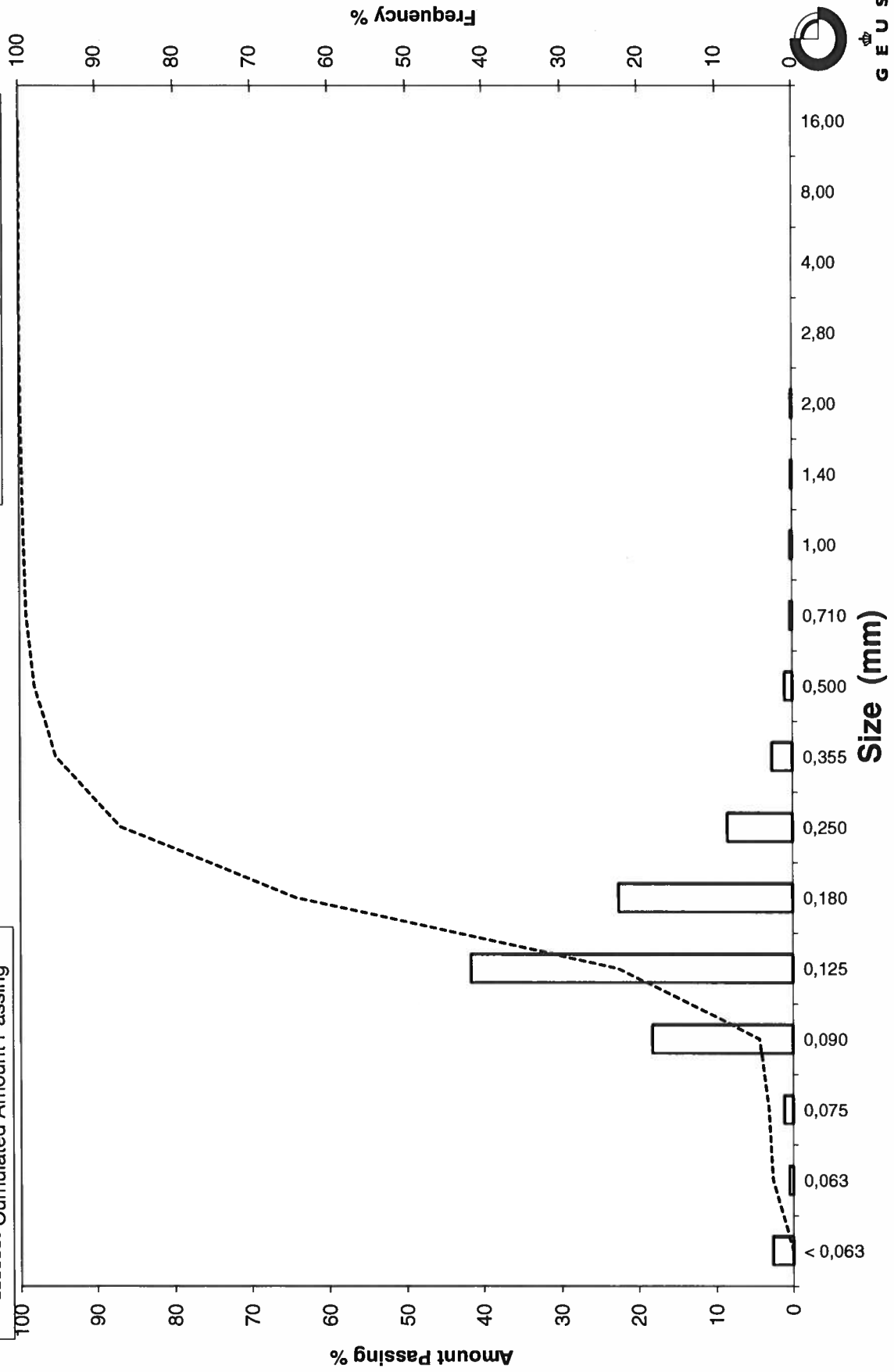
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: JAM 33, 0-150

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 37, 0-250
Lab. Id: 200852
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm heraf 0,02g skaller



Total Weight 99,01 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,06	0,06	99,94
2,80	-1,49	0,03	0,03	99,91
2,00	-1,00	0,02	0,02	99,89
1,40	-0,49	0,02	0,02	99,87
1,00	0,00	0,06	0,06	99,81
0,710	0,49	0,13	0,13	99,68
0,500	1,00	0,33	0,33	99,34
0,355	1,49	1,18	1,19	98,15
0,250	2,00	2,31	2,33	95,82
0,180	2,47	2,76	2,79	93,03
0,125	3,00	7,89	7,97	85,06
0,090	3,47	66,22	66,88	18,18
0,075	3,74	7,54	7,62	10,56
0,063	3,99	3,29	3,32	7,24
< 0,063	> 3,99	7,17	7,24	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	7,24
Sand, fine (0,063 mm - 0,200 mm):	86,59
Sand, medium (0,2 mm - 0,6 mm):	5,67
Sand, coarse (0,6 mm - 2 mm):	0,39
Gravel (> 2 mm):	0,11
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,23	2,12
16%	84%	0,12	3,01
25%	75%	0,12	3,06
40%	60%	0,11	3,16
Median 50%	50%	0,11	3,23
75%	25%	0,09	3,42
84%	16%	0,09	3,54
90%	10%	0,07	3,78
95%	5%	-----	-----

Moments Statistics

Mean	3,26
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	1,53

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

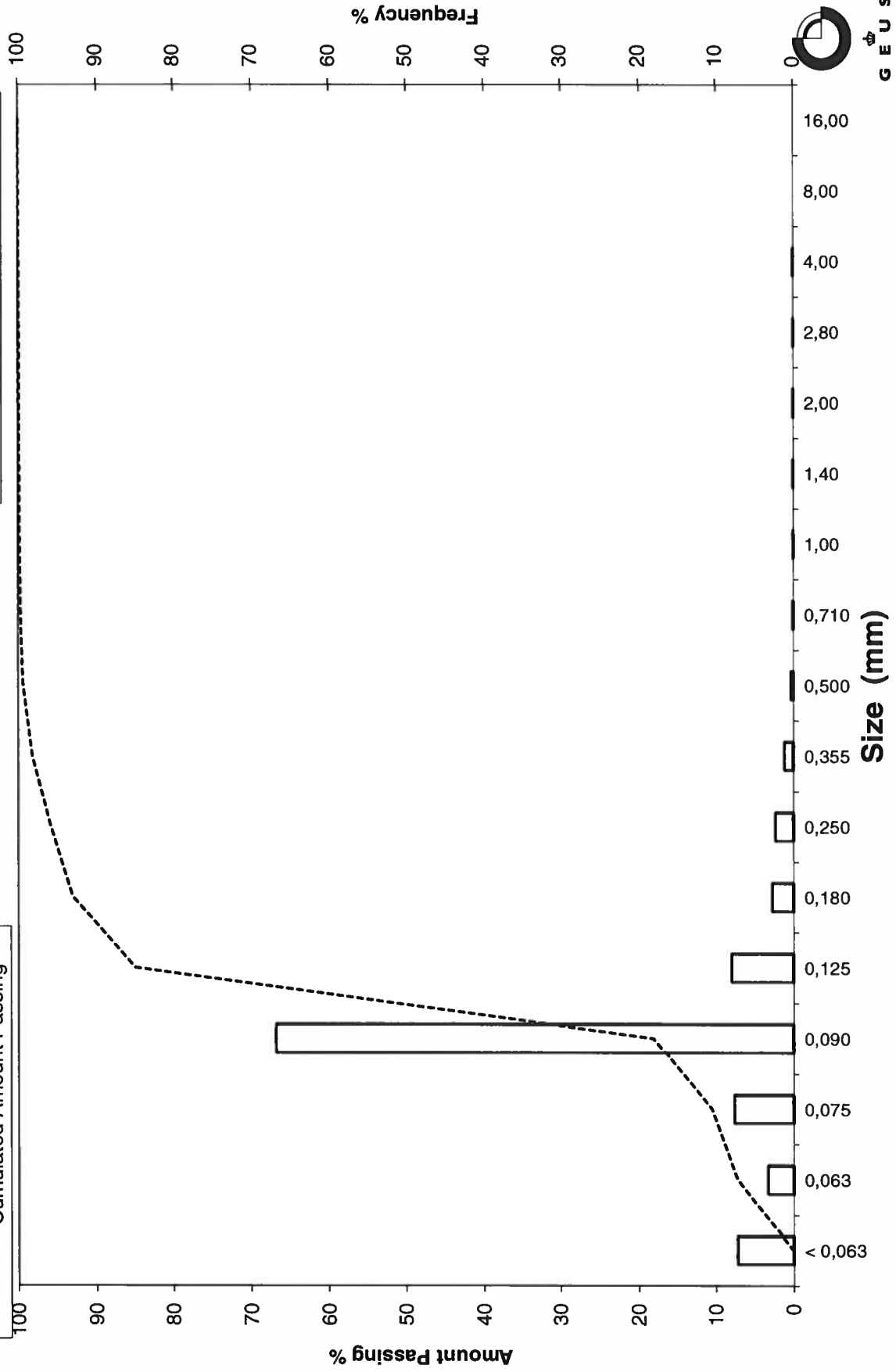
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: JAM 37, 0-250

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 38, 0-300
Lab. Id: 200853
Projekt MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm består af skaller



Total Weight 93,64 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	0,04	0,04	99,96
	2,00	-1,00	0,01	0,01	99,95
	1,40	-0,49	0,03	0,03	99,91
	1,00	0,00	0,04	0,04	99,87
	0,710	0,49	0,06	0,06	99,81
	0,500	1,00	0,12	0,13	99,68
	0,355	1,49	0,23	0,25	99,43
	0,250	2,00	0,52	0,56	98,88
	0,180	2,47	2,37	2,53	96,35
	0,125	3,00	17,24	18,41	77,94
	0,090	3,47	51,67	55,18	22,76
	0,075	3,74	10,53	11,25	11,51
	0,063	3,99	5,51	5,88	5,63
	< 0,063	> 3,99	5,27	5,63	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,63
Sand, fine (0,063 mm - 0,200 mm):	91,44
Sand, medium (0,2 mm - 0,6 mm):	2,67
Sand, coarse (0,6 mm - 2 mm):	0,21
Gravel (> 2 mm):	0,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,18	2,51
16%	84%	0,14	2,80
25%	75%	0,12	3,02
40%	60%	0,11	3,14
Median 50%	50%	0,11	3,22
75%	25%	0,09	3,45
84%	16%	0,08	3,63
90%	10%	0,07	3,80
95%	5%	-----	-----

Moments Statistics

Mean	3,22
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	1,58

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

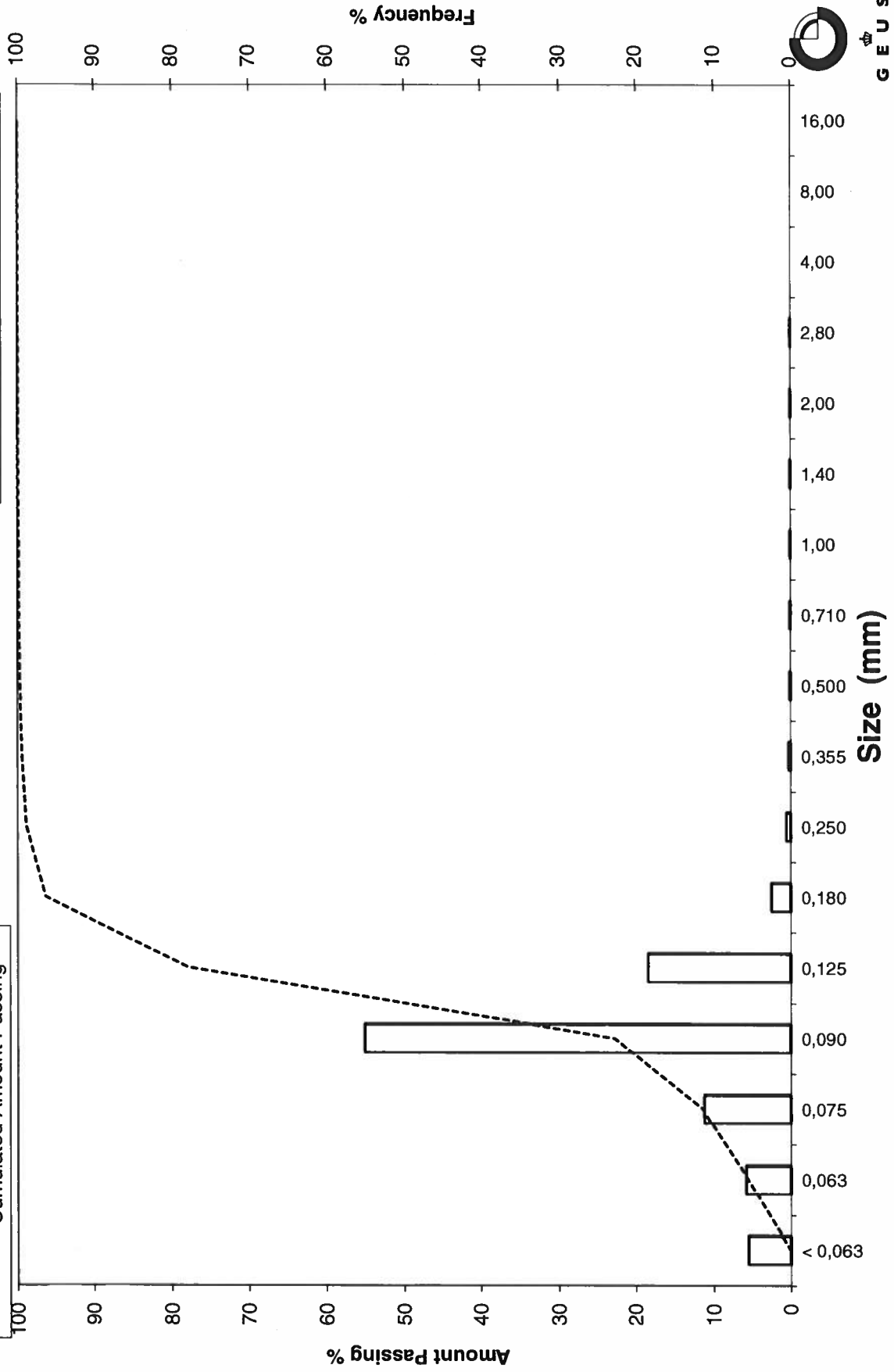
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: JAM 38, 0-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 45, 0-115
Lab. Id: 200854
Projekt: MST Råstøffkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm heraf 0,2g skaller



Total Weight 102,28 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	0,41	0,40	99,60
2,80	-1,49	0,35	0,34	99,26
2,00	-1,00	0,31	0,30	98,95
1,40	-0,49	0,27	0,26	98,69
1,00	0,00	0,56	0,55	98,14
0,710	0,49	0,84	0,82	97,32
0,500	1,00	3,22	3,15	94,17
0,355	1,49	7,45	7,28	86,89
0,250	2,00	9,78	9,56	77,33
0,180	2,47	18,37	17,96	59,37
0,125	3,00	44,51	43,52	15,85
0,090	3,47	13,16	12,87	2,98
0,075	3,74	0,86	0,84	2,14
0,063	3,99	0,36	0,35	1,79
< 0,063	> 3,99	1,83	1,79	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,79
Sand, fine (0,063 mm - 0,200 mm):	62,71
Sand, medium (0,2 mm - 0,6 mm):	31,17
Sand, coarse (0,6 mm - 2 mm):	3,28
Gravel (> 2 mm):	1,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,56	0,85
16%	84%	0,32	1,63
25%	75%	0,24	2,05
40%	60%	0,18	2,45
Median 50%	50%	0,17	2,57
75%	25%	0,14	2,87
84%	16%	0,13	3,00
90%	10%	0,11	3,20
95%	5%	0,10	3,39

Moments Statistics

Mean	2,40
Sorting	0,73
Skewness	-0,37
Kurtosis	1,27
Uniformity Coefficient	1,67

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

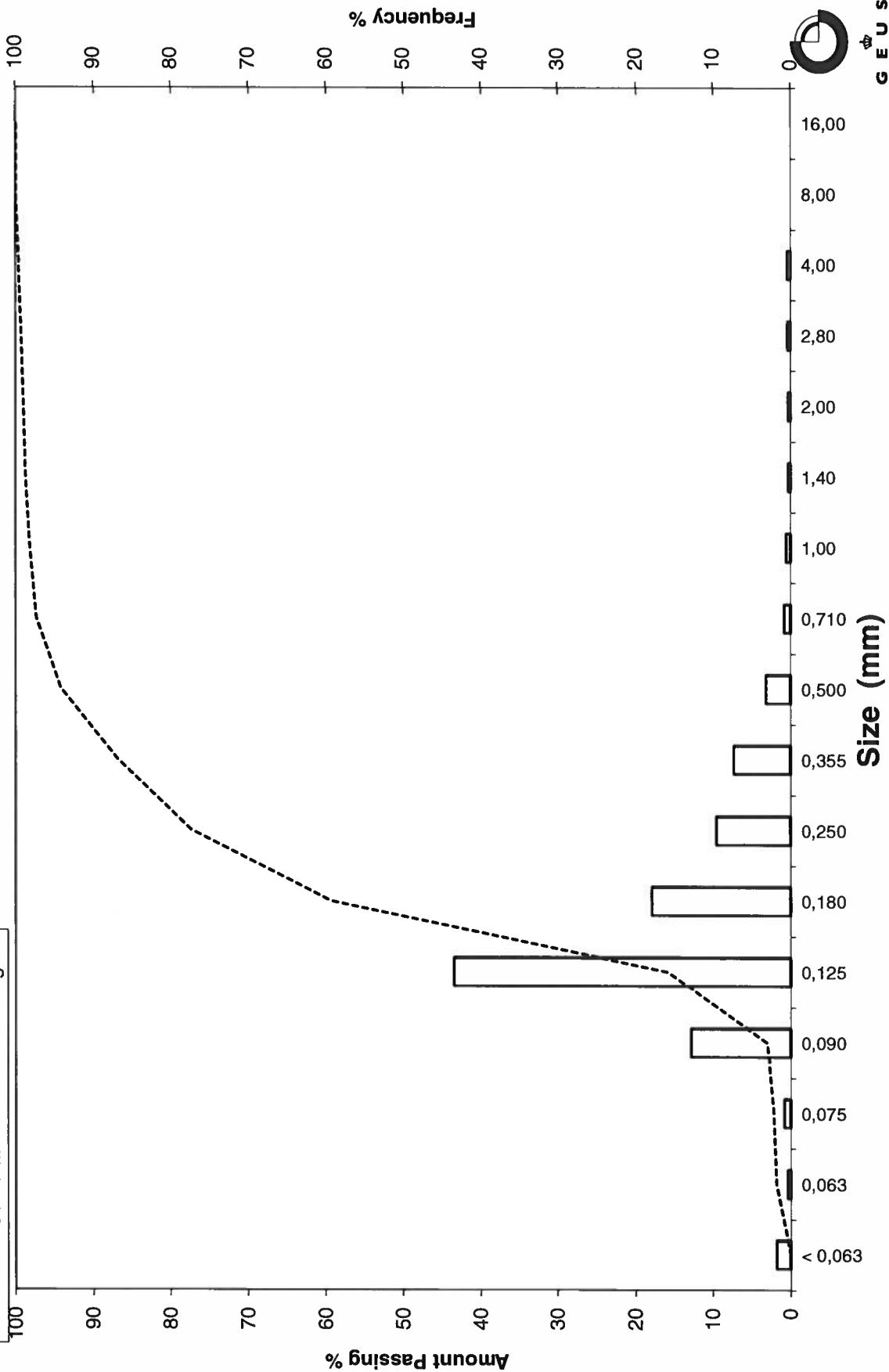
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: JAM 45, 0-115

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: JAM 53, 120-220
Lab. Id: 200855
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm heraf 0,05g skaller



Total Weight 109,82 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	0,20	0,18	99,82
2,80	-1,49	0,52	0,47	99,34
2,00	-1,00	0,78	0,71	98,63
1,40	-0,49	1,21	1,10	97,53
1,00	0,00	2,42	2,20	95,33
0,710	0,49	4,68	4,26	91,07
0,500	1,00	13,31	12,12	78,95
0,355	1,49	24,12	21,96	56,98
0,250	2,00	27,73	25,25	31,73
0,180	2,47	11,75	10,70	21,03
0,125	3,00	17,08	15,55	5,48
0,090	3,47	4,05	3,69	1,79
0,075	3,74	0,18	0,16	1,63
0,063	3,99	0,09	0,08	1,55
< 0,063	> 3,99	1,70	1,55	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,55
Sand, fine (0,063 mm - 0,200 mm):	22,54
Sand, medium (0,2 mm - 0,6 mm):	60,63
Sand, coarse (0,6 mm - 2 mm):	13,92
Gravel (> 2 mm):	1,37
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,98	0,03
16%	84%	0,59	0,77
25%	75%	0,47	1,08
40%	60%	0,37	1,42
Median 50%	50%	0,33	1,62
75%	25%	0,21	2,28
84%	16%	0,16	2,62
90%	10%	0,14	2,83
95%	5%	0,12	3,05

Moments Statistics

Mean	1,67
Sorting	0,92
Skewness	0,02
Kurtosis	1,03
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)

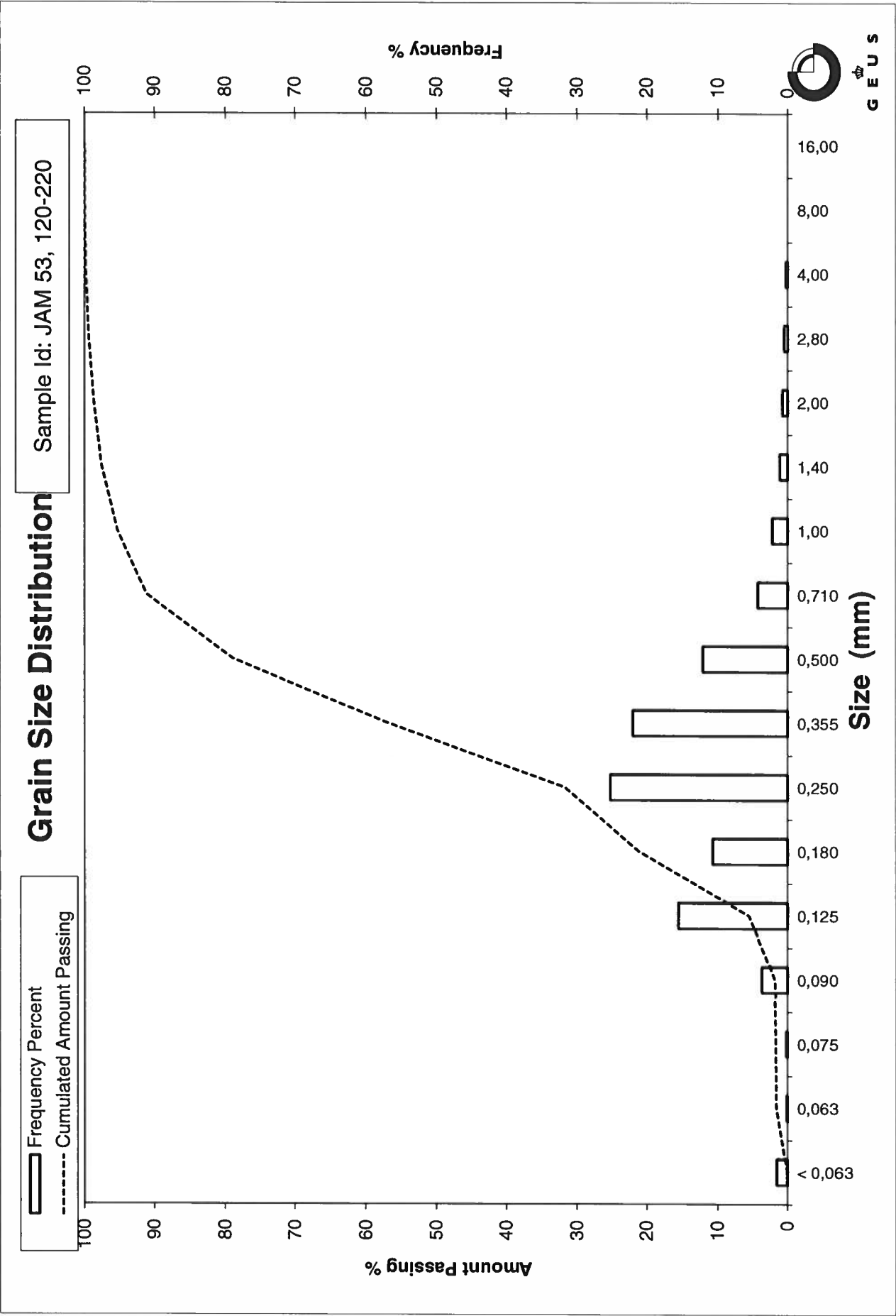
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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 $(d_{60\%} / d_{10\%})$ (dgt-Bulletin 1988)

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

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Grain Size Distribution

Geotechnical

Sample Id: JAM 63, 0-140
Lab. Id: 200856
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm består af skaller



Total Weight 101,59 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	0,03	0,03	99,97
	2,00	-1,00	0,01	0,01	99,96
	1,40	-0,49	0,00	0,00	99,96
	1,00	0,00	0,10	0,10	99,86
	0,710	0,49	0,11	0,11	99,75
	0,500	1,00	0,33	0,32	99,43
	0,355	1,49	2,29	2,25	97,17
Sand	0,250	2,00	7,65	7,53	89,64
	0,180	2,47	20,65	20,33	69,32
	0,125	3,00	58,30	57,39	11,93
	0,090	3,47	8,93	8,79	3,14
	0,075	3,74	0,77	0,76	2,38
	0,063	3,99	0,35	0,34	2,04
	< 0,063	> 3,99	2,07	2,04	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,04
Sand, fine (0,063 mm - 0,200 mm):	73,09
Sand, medium (0,2 mm - 0,6 mm):	24,46
Sand, coarse (0,6 mm - 2 mm):	0,38
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%	0,32	1,62
16%	84%	0,23	2,12
25%	75%	0,20	2,33
40%	60%	0,17	2,55
Median 50%	50%	0,16	2,63
75%	25%	0,14	2,86
84%	16%	0,13	2,96
90%	10%	0,12	3,09
95%	5%	0,10	3,36

Moments Statistics

Mean	2,57
Sorting	0,47
Skewness	-0,19
Kurtosis	1,33
Uniformity Coefficient	1,46

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

Formulas

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

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

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

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

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

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

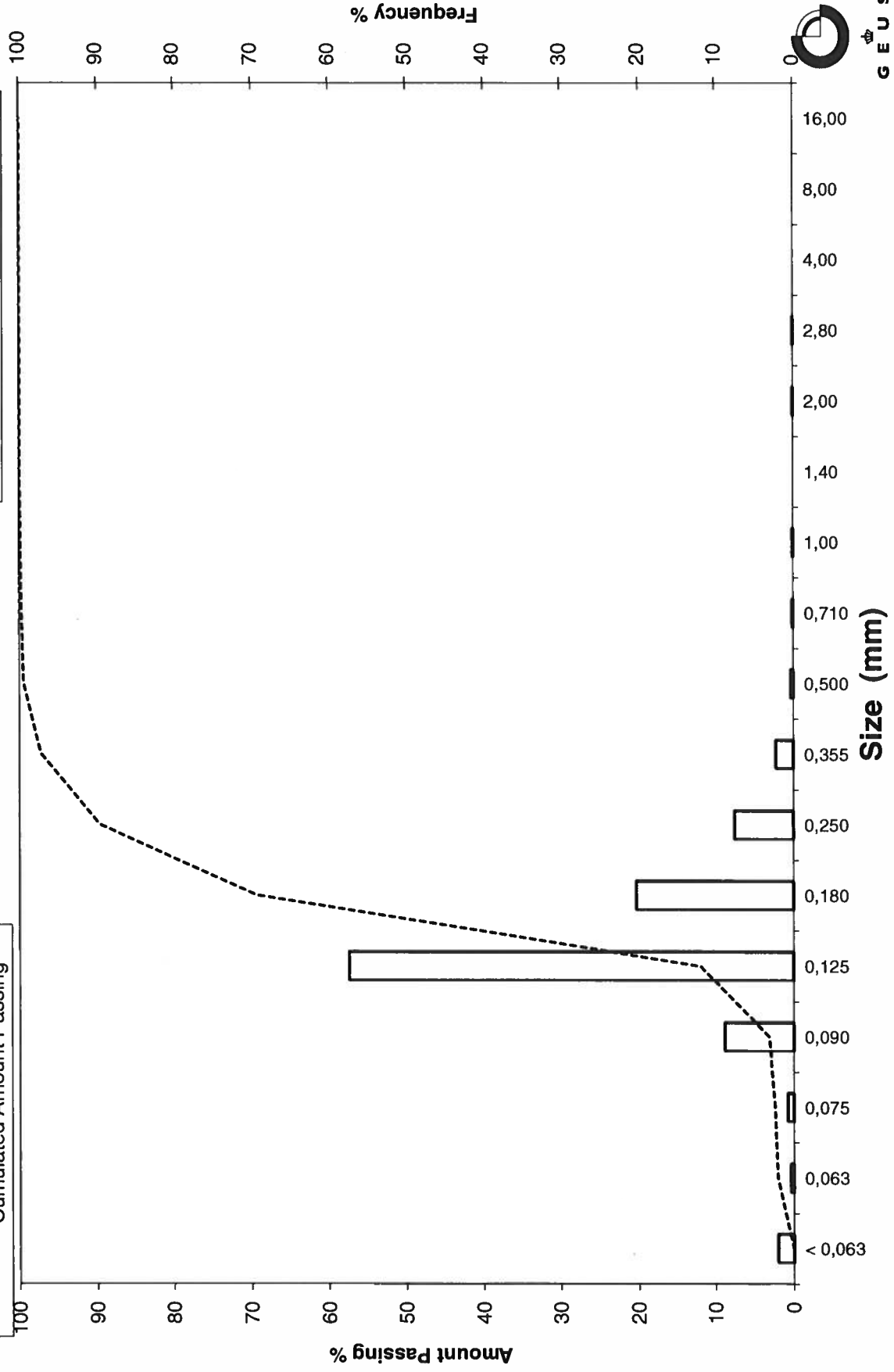
Size Classes and Percentiles are found by linear interpolation

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Grain Size Distribution

Sample Id: JAM 63, 0-140

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 05, 0-500
Lab. Id: 200857
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1mm består af skaller



Total Weight 97,98 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	0,02	99,98
2,80	-1,49	0,01	0,01	99,97
2,00	-1,00	0,02	0,02	99,95
1,40	-0,49	0,02	0,02	99,93
1,00	0,00	0,05	0,05	99,88
0,710	0,49	0,06	0,06	99,82
0,500	1,00	0,09	0,09	99,72
0,355	1,49	0,28	0,29	99,44
0,250	2,00	1,65	1,68	97,75
0,180	2,47	9,49	9,69	88,07
0,125	3,00	48,57	49,57	38,50
0,090	3,47	27,45	28,02	10,48
0,075	3,74	2,70	2,76	7,73
0,063	3,99	1,13	1,15	6,57
< 0,063	> 3,99	6,44	6,57	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	6,57
Sand, fine (0,063 mm - 0,200 mm):	84,26
Sand, medium (0,2 mm - 0,6 mm):	8,93
Sand, coarse (0,6 mm - 2 mm):	0,18
Gravel (> 2 mm):	0,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,23	2,12
16%	84%	0,18	2,51
25%	75%	0,17	2,60
40%	60%	0,15	2,75
Median 50%	50%	0,14	2,86
75%	25%	0,11	3,21
84%	16%	0,10	3,37
90%	10%	0,09	3,52
95%	5%	-----	-----

Moments Statistics

Mean	2,91
Sorting	-----
Skewness	-----
Kurtosis	-----
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)

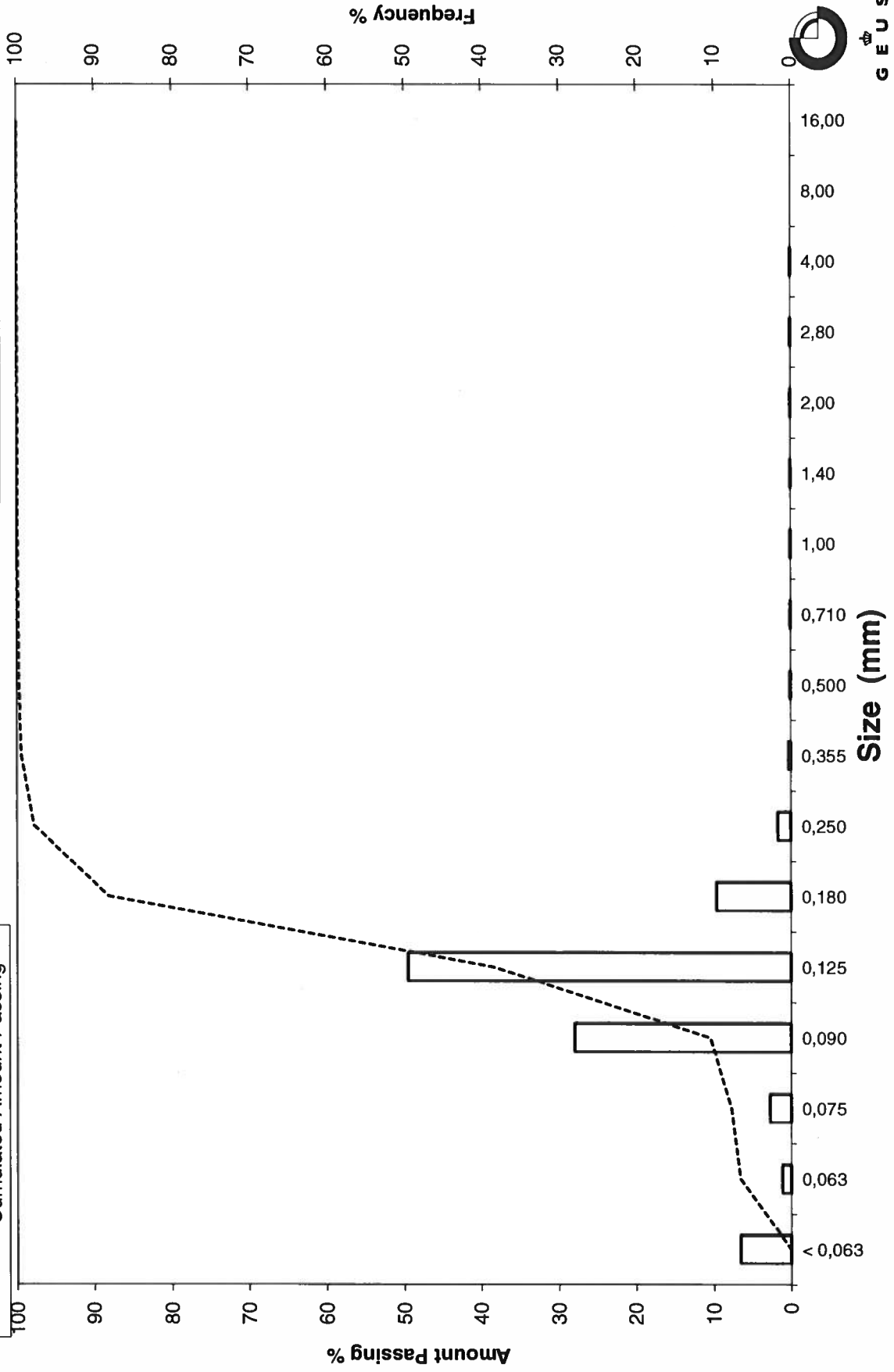
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 05, 0-500

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 08, 0-200
Lab. Id: 200858
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm heraf 0,05g skaller



Total Weight 112,28 g

Size Fractions

Sieve Analysis					
	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,00	0,00	100,00
	2,80	-1,49	0,07	0,06	99,94
	2,00	-1,00	0,03	0,03	99,91
Sand	1,40	-0,49	0,07	0,06	99,85
	1,00	0,00	0,41	0,37	99,48
	0,710	0,49	2,19	1,95	97,53
	0,500	1,00	11,20	9,98	87,56
	0,355	1,49	20,60	18,35	69,21
	0,250	2,00	30,98	27,59	41,62
	0,180	2,47	30,05	26,76	14,86
	0,125	3,00	13,10	11,67	3,19
	0,090	3,47	1,24	1,10	2,08
	0,075	3,74	0,29	0,26	1,83
	0,063	3,99	0,20	0,18	1,65
	< 0,063	> 3,99	1,85	1,65	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,65
Sand, fine (0,063 mm - 0,200 mm):	20,85
Sand, medium (0,2 mm - 0,6 mm):	69,81
Sand, coarse (0,6 mm - 2 mm):	7,60
Gravel (> 2 mm):	0,09
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,66	0,61
16%	84%	0,47	1,08
25%	75%	0,40	1,32
40%	60%	0,32	1,64
Median 50%	50%	0,28	1,83
75%	25%	0,21	2,28
84%	16%	0,18	2,45
90%	10%	0,16	2,67
95%	5%	0,13	2,90

Moments Statistics

Mean	1,79
Sorting	0,69
Skewness	-0,07
Kurtosis	0,98
Uniformity Coefficient	2,04

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)

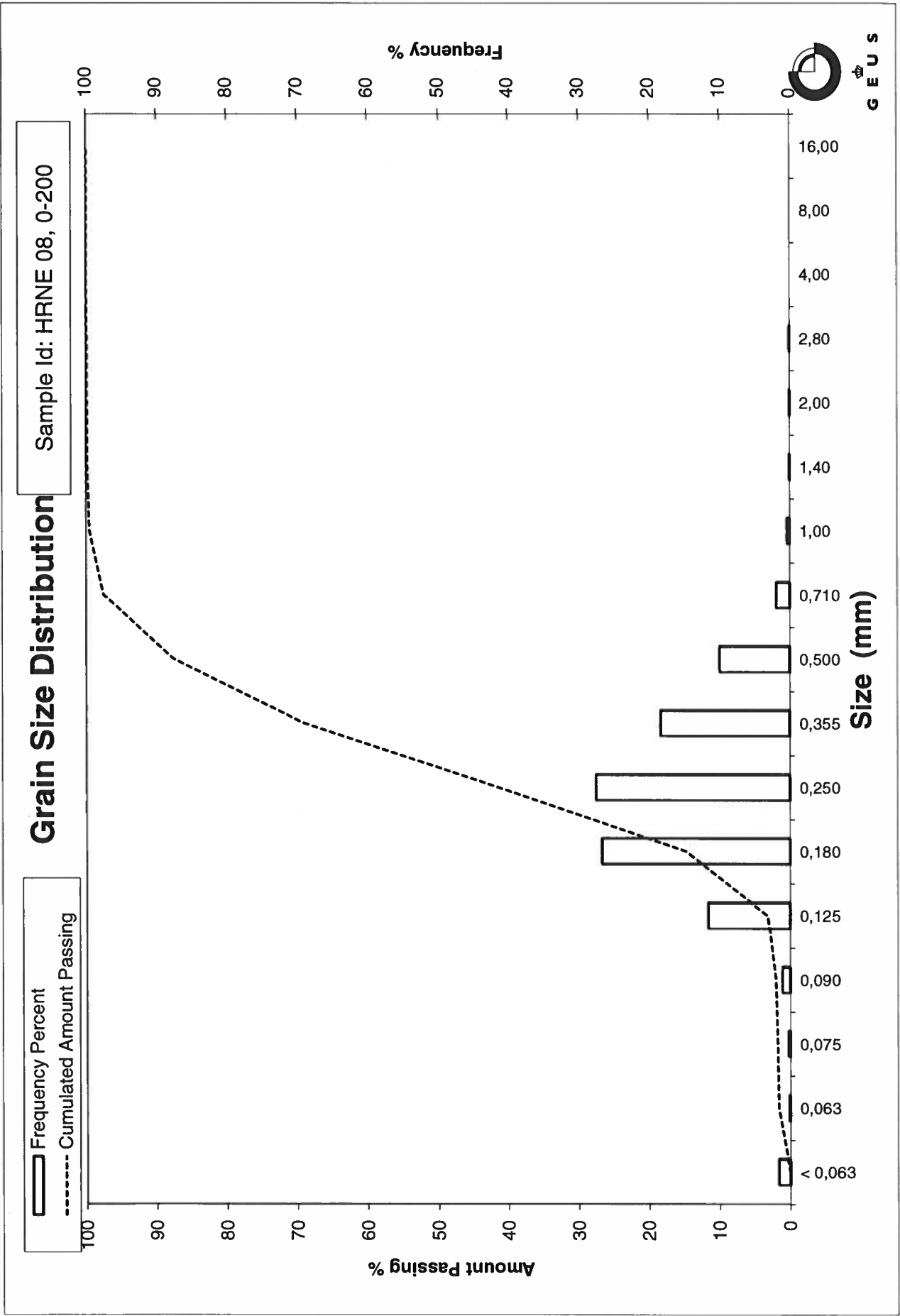
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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 $(d_{60\%} / d_{10\%})$ (dgt-Bulletin 1988)

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

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Grain Size Distribution

Geotechnical

Sample Id: HRNE 09, 0-120
Lab. Id: 200859
Projekt MST Råstøfkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1mm består af skaller



Total Weight 100,3 g

Sieve 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	0,42	0,42	99,58
1,40	-0,49	0,06	0,06	99,52
1,00	0,00	0,14	0,14	99,38
0,710	0,49	0,71	0,71	98,67
0,500	1,00	4,00	3,99	94,69
0,355	1,49	7,19	7,17	87,52
0,250	2,00	13,21	13,17	74,35
0,180	2,47	19,05	18,99	55,35
0,125	3,00	33,56	33,46	21,89
0,090	3,47	16,22	16,17	5,72
0,075	3,74	2,20	2,19	3,53
0,063	3,99	0,98	0,98	2,55
< 0,063	> 3,99	2,56	2,55	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,55
Sand, fine (0,063 mm - 0,200 mm):	58,23
Sand, medium (0,2 mm - 0,6 mm):	35,80
Sand, coarse (0,6 mm - 2 mm):	3,00
Gravel (> 2 mm):	0,42
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,52	0,95
16%	84%	0,33	1,61
25%	75%	0,26	1,97
40%	60%	0,20	2,34
Median 50%	50%	0,17	2,55
75%	25%	0,13	2,94
84%	16%	0,11	3,16
90%	10%	0,10	3,33
95%	5%	0,09	3,56

Moments Statistics

Mean	2,44
Sorting	0,78
Skewness	-0,22
Kurtosis	1,10
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)

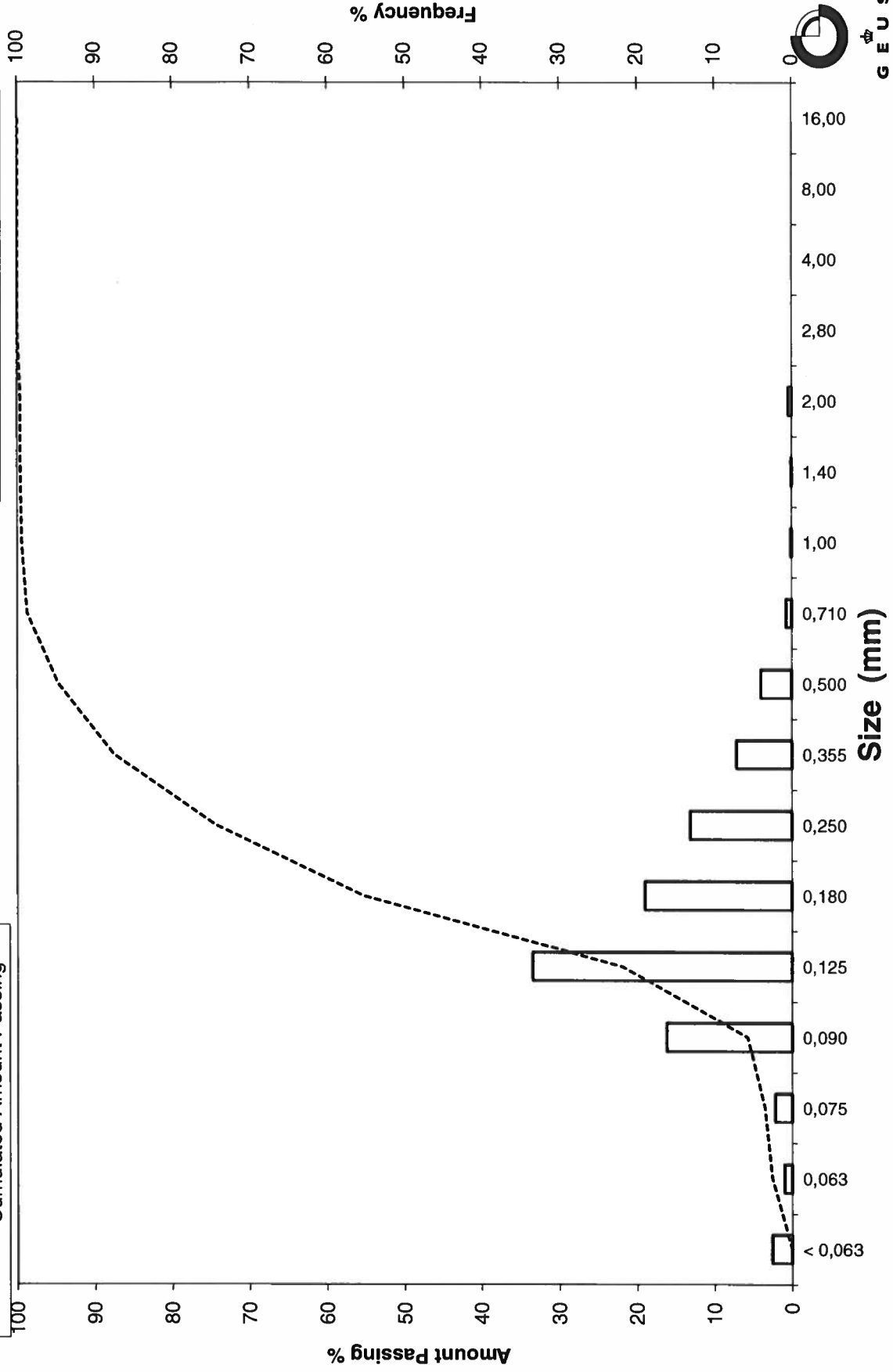
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 09, 0-120

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 10, 0-270
Lab. Id: 200860
Projekt: MST Råstofkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >4mm heraf 1,4g skaller



Total Weight 140,17 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,99	0,71	99,29
4,00	-2,00	2,73	1,95	97,35
2,80	-1,49	1,08	0,77	96,58
2,00	-1,00	1,85	1,32	95,26
1,40	-0,49	2,29	1,63	93,62
1,00	0,00	8,92	6,36	87,26
0,710	0,49	17,63	12,58	74,68
0,500	1,00	37,46	26,72	47,96
0,355	1,49	36,85	26,29	21,67
0,250	2,00	26,65	19,01	2,65
0,180	2,47	2,07	1,48	1,18
0,125	3,00	0,43	0,31	0,87
0,090	3,47	0,12	0,09	0,78
0,075	3,74	0,04	0,03	0,76
0,063	3,99	0,03	0,02	0,73
< 0,063	> 3,99	1,03	0,73	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,73
Sand, fine (0,063 mm - 0,200 mm):	0,86
Sand, medium (0,2 mm - 0,6 mm):	59,08
Sand, coarse (0,6 mm - 2 mm):	34,57
Gravel (> 2 mm):	4,74
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,91	-0,93
16%	84%	0,92	0,11
25%	75%	0,72	0,48
40%	60%	0,59	0,75
Median 50%	50%	0,52	0,95
75%	25%	0,37	1,42
84%	16%	0,32	1,63
90%	10%	0,29	1,78
95%	5%	0,26	1,93

Moments Statistics

Mean	0,90
Sorting	0,81
Skewness	-0,22
Kurtosis	1,24
Uniformity Coefficient	2,05

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

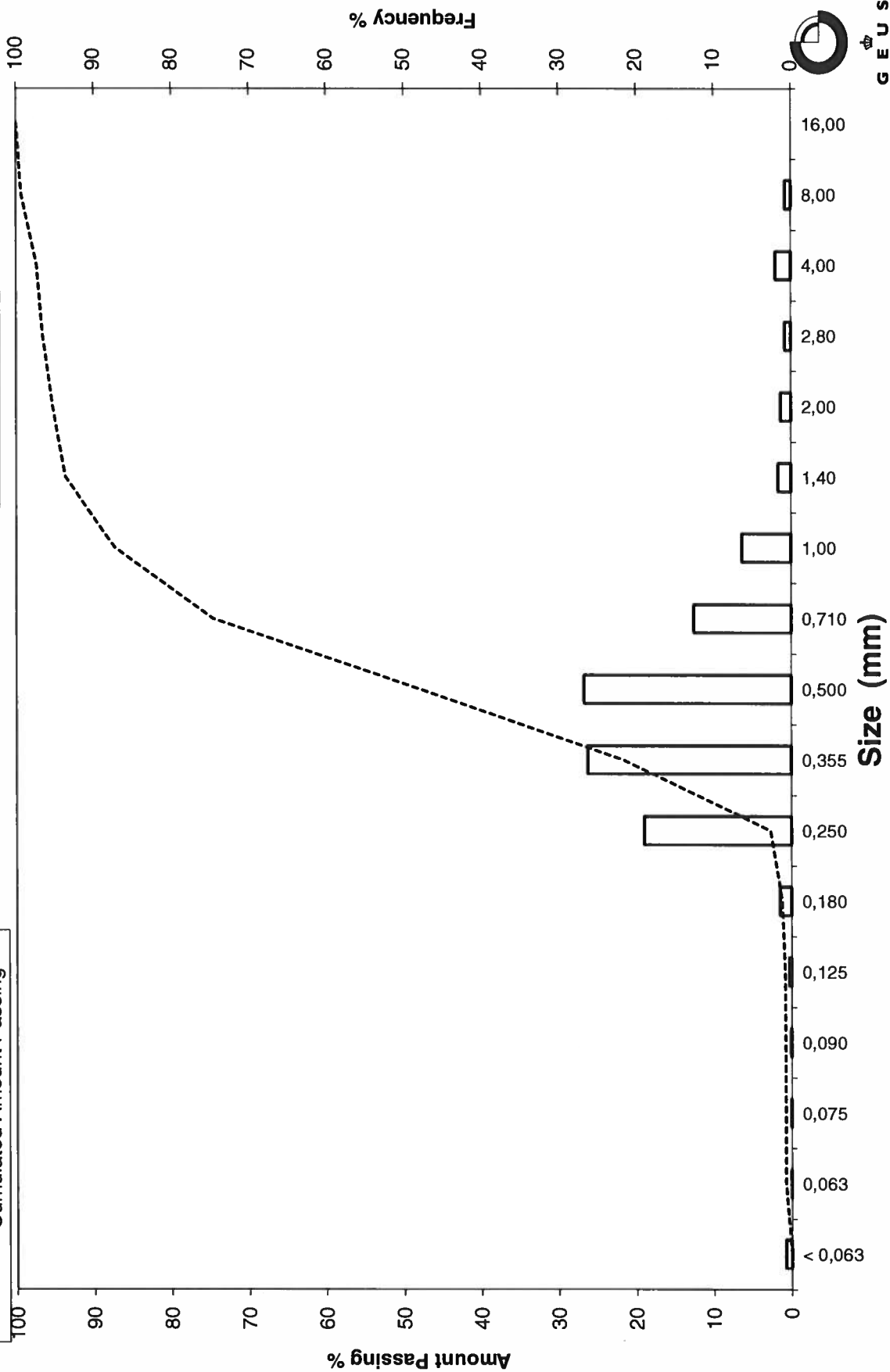
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 10, 0-270

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 10, 300-450
Lab. Id: 200861
Projekt MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 109,38 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,04	0,04	99,96
2,00	-1,00	0,07	0,06	99,90
1,40	-0,49	0,25	0,23	99,67
1,00	0,00	0,70	0,64	99,03
0,710	0,49	2,30	2,10	96,93
0,500	1,00	9,77	8,93	88,00
0,355	1,49	20,35	18,60	69,39
0,250	2,00	36,09	33,00	36,40
0,180	2,47	26,08	23,84	12,55
0,125	3,00	9,72	8,89	3,67
0,090	3,47	1,00	0,91	2,75
0,075	3,74	0,15	0,14	2,61
0,063	3,99	0,11	0,10	2,51
< 0,063	> 3,99	2,75	2,51	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,51
Sand, fine (0,063 mm - 0,200 mm):	16,85
Sand, medium (0,2 mm - 0,6 mm):	72,88
Sand, coarse (0,6 mm - 2 mm):	7,65
Gravel (> 2 mm):	0,10
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,66	0,59
16%	84%	0,47	1,09
25%	75%	0,40	1,33
40%	60%	0,33	1,62
Median 50%	50%	0,29	1,77
75%	25%	0,22	2,21
84%	16%	0,19	2,40
90%	10%	0,16	2,61
95%	5%	0,13	2,91

Moments Statistics

Mean	1,75
Sorting	0,68
Skewness	-0,03
Kurtosis	1,08
Uniformity Coefficient	1,98

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

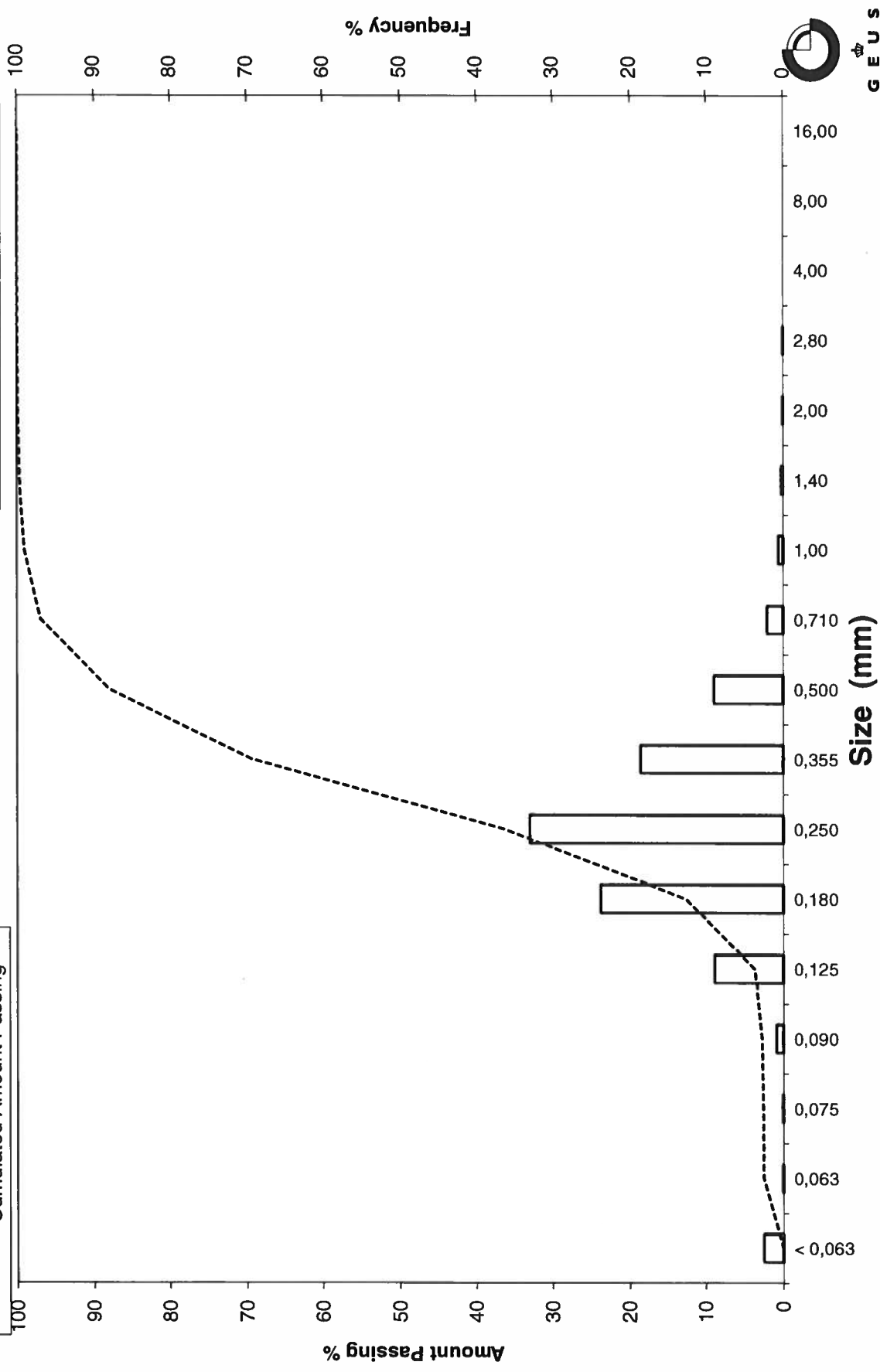
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 10, 300-450

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 18, 0-200
Lab. Id: 200862
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1mm består af skaller



Total Weight 101,44 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,03	0,03	99,97
1,40	-0,49	0,05	0,05	99,92
1,00	0,00	0,25	0,25	99,67
0,710	0,49	0,61	0,60	99,07
0,500	1,00	2,89	2,85	96,22
0,355	1,49	9,43	9,30	86,93
0,250	2,00	17,66	17,41	69,52
0,180	2,47	25,97	25,60	43,92
0,125	3,00	34,78	34,29	9,63
0,090	3,47	7,20	7,10	2,53
0,075	3,74	0,73	0,72	1,81
0,063	3,99	0,32	0,32	1,50
< 0,063	> 3,99	1,52	1,50	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,50
Sand, fine (0,063 mm - 0,200 mm):	49,73
Sand, medium (0,2 mm - 0,6 mm):	46,35
Sand, coarse (0,6 mm - 2 mm):	2,39
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%	0,48	1,06
16%	84%	0,34	1,57
25%	75%	0,28	1,82
40%	60%	0,22	2,16
Median 50%	50%	0,20	2,35
75%	25%	0,15	2,74
84%	16%	0,14	2,89
90%	10%	0,13	2,99
95%	5%	0,10	3,29

Moments Statistics

Mean	2,27
Sorting	0,67
Skewness	-0,17
Kurtosis	1,00
Uniformity Coefficient	1,78

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

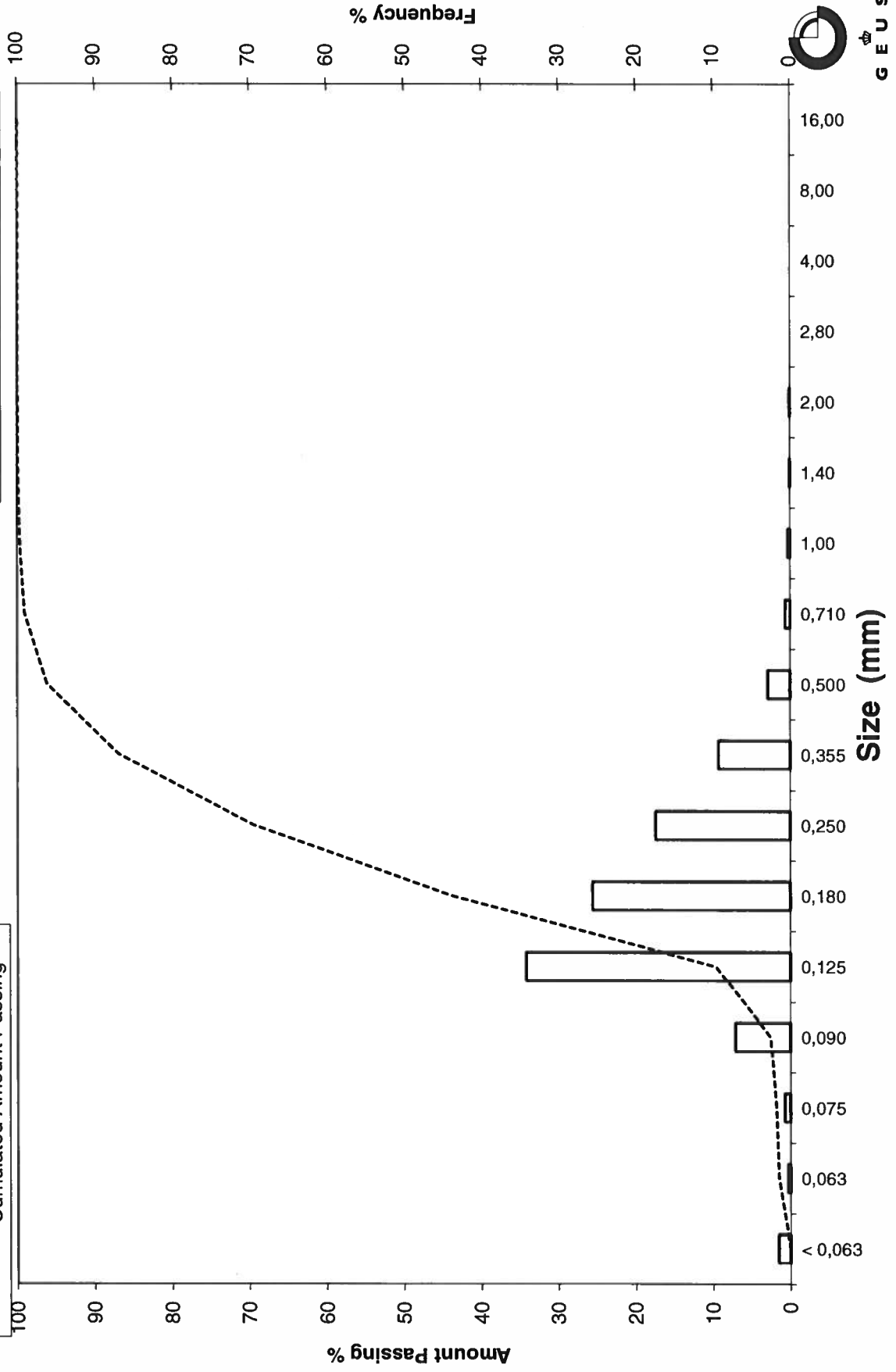
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 18, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 21, 0-500
Lab. Id: 200863
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >0,710mm består af skaller



Total Weight 99,6 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing %
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,06	0,06	99,94
2,80	-1,49	0,07	0,07	99,87
2,00	-1,00	0,02	0,02	99,85
1,40	-0,49	0,03	0,03	99,82
1,00	0,00	0,06	0,06	99,76
0,710	0,49	0,08	0,08	99,68
0,500	1,00	0,20	0,20	99,48
0,355	1,49	0,45	0,45	99,03
0,250	2,00	0,77	0,77	98,25
0,180	2,47	9,20	9,24	89,02
0,125	3,00	67,57	67,84	21,17
0,090	3,47	15,19	15,25	5,92
0,075	3,74	1,20	1,20	4,72
0,063	3,99	0,57	0,57	4,15
< 0,063	> 3,99	4,13	4,15	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	4,15
Sand, fine (0,063 mm - 0,200 mm):	87,51
Sand, medium (0,2 mm - 0,6 mm):	7,92
Sand, coarse (0,6 mm - 2 mm):	0,28
Gravel (> 2 mm):	0,15
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,23	2,15
16%	84%	0,18	2,51
25%	75%	0,17	2,57
40%	60%	0,16	2,68
Median 50%	50%	0,15	2,75
75%	25%	0,13	2,96
84%	16%	0,11	3,14
90%	10%	0,10	3,33
95%	5%	0,08	3,67

Moments Statistics

Mean	2,80
Sorting	0,39
Skewness	0,22
Kurtosis	1,57
Uniformity Coefficient	1,57

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

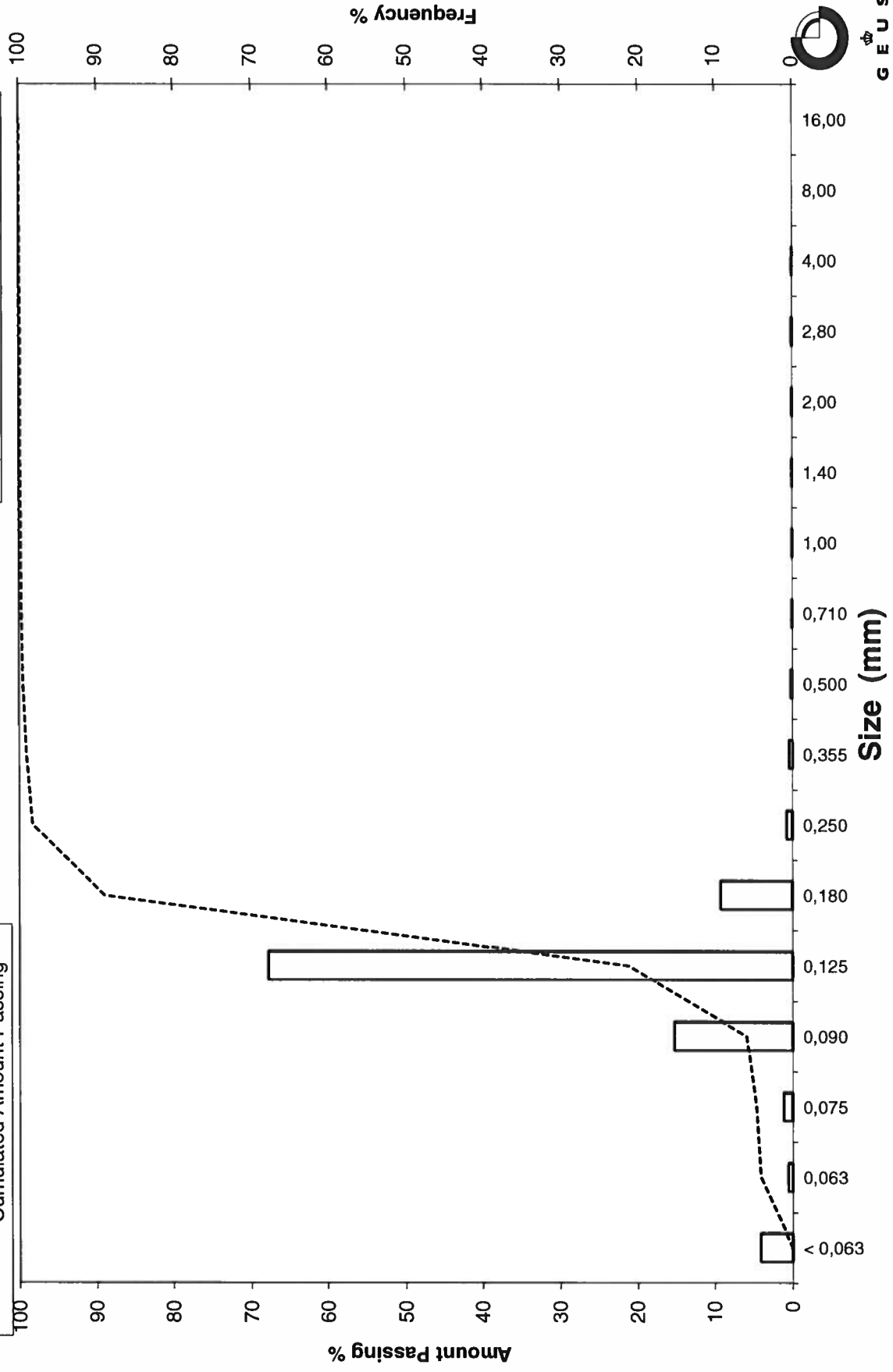
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 21, 0-500

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 22, 0-300
Lab. Id: 200864
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 105,86 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	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	0,06	99,94
0,710	0,49	0,36	0,34	99,60
0,500	1,00	2,58	2,44	97,17
0,355	1,49	10,75	10,15	87,01
0,250	2,00	28,82	27,22	59,79
0,180	2,47	33,67	31,81	27,98
0,125	3,00	22,32	21,08	6,90
0,090	3,47	5,30	5,01	1,89
0,075	3,74	0,55	0,52	1,37
0,063	3,99	0,22	0,21	1,16
< 0,063	> 3,99	1,23	1,16	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,16
Sand, fine (0,063 mm - 0,200 mm):	35,91
Sand, medium (0,2 mm - 0,6 mm):	61,26
Sand, coarse (0,6 mm - 2 mm):	1,67
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%	0,34	1,54
25%	75%	0,31	1,70
40%	60%	0,25	2,00
Median 50%	50%	0,23	2,13
75%	25%	0,17	2,54
84%	16%	0,15	2,75
90%	10%	0,13	2,91
95%	5%	0,11	3,16

Moments Statistics

Mean	2,14
Sorting	0,62
Skewness	0,01
Kurtosis	1,01
Uniformity Coefficient	1,88

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

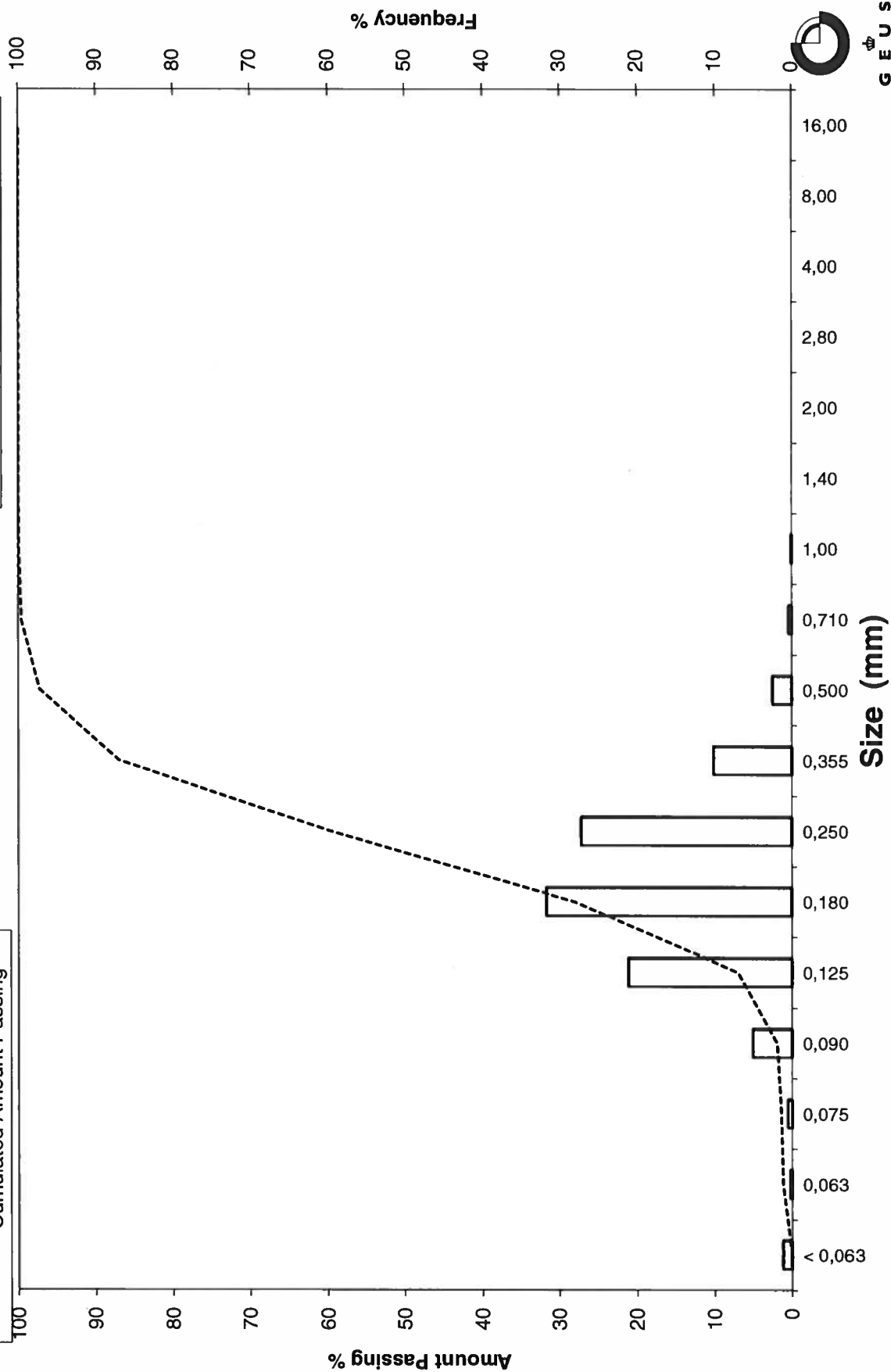
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 22, 0-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 23, 0-140
Lab. Id: 200865
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm består af skaller



Total Weight 100,88 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	0,45	0,45	99,55
	4,00	-2,00	0,27	0,27	99,29
	2,80	-1,49	0,27	0,27	99,02
	2,00	-1,00	0,27	0,27	98,75
	1,40	-0,49	0,17	0,17	98,58
Sand	1,00	0,00	0,46	0,46	98,13
	0,710	0,49	1,34	1,33	96,80
	0,500	1,00	5,83	5,78	91,02
	0,355	1,49	12,07	11,96	79,05
	0,250	2,00	32,45	32,17	46,89
	0,180	2,47	22,80	22,60	24,29
	0,125	3,00	17,23	17,08	7,21
	0,090	3,47	5,55	5,50	1,70
	0,075	3,74	0,44	0,44	1,27
	0,063	3,99	0,16	0,16	1,11
	< 0,063	> 3,99	1,12	1,11	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,11
Sand, fine (0,063 mm - 0,200 mm):	29,63
Sand, medium (0,2 mm - 0,6 mm):	63,03
Sand, coarse (0,6 mm - 2 mm):	4,98
Gravel (> 2 mm):	1,25
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,64	0,63
16%	84%	0,41	1,27
25%	75%	0,34	1,55
40%	60%	0,29	1,77
Median 50%	50%	0,26	1,94
75%	25%	0,18	2,46
84%	16%	0,15	2,71
90%	10%	0,13	2,90
95%	5%	0,11	3,17

Moments Statistics

Mean	1,97
Sorting	0,74
Skewness	0,02
Kurtosis	1,15
Uniformity Coefficient	2,19

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)

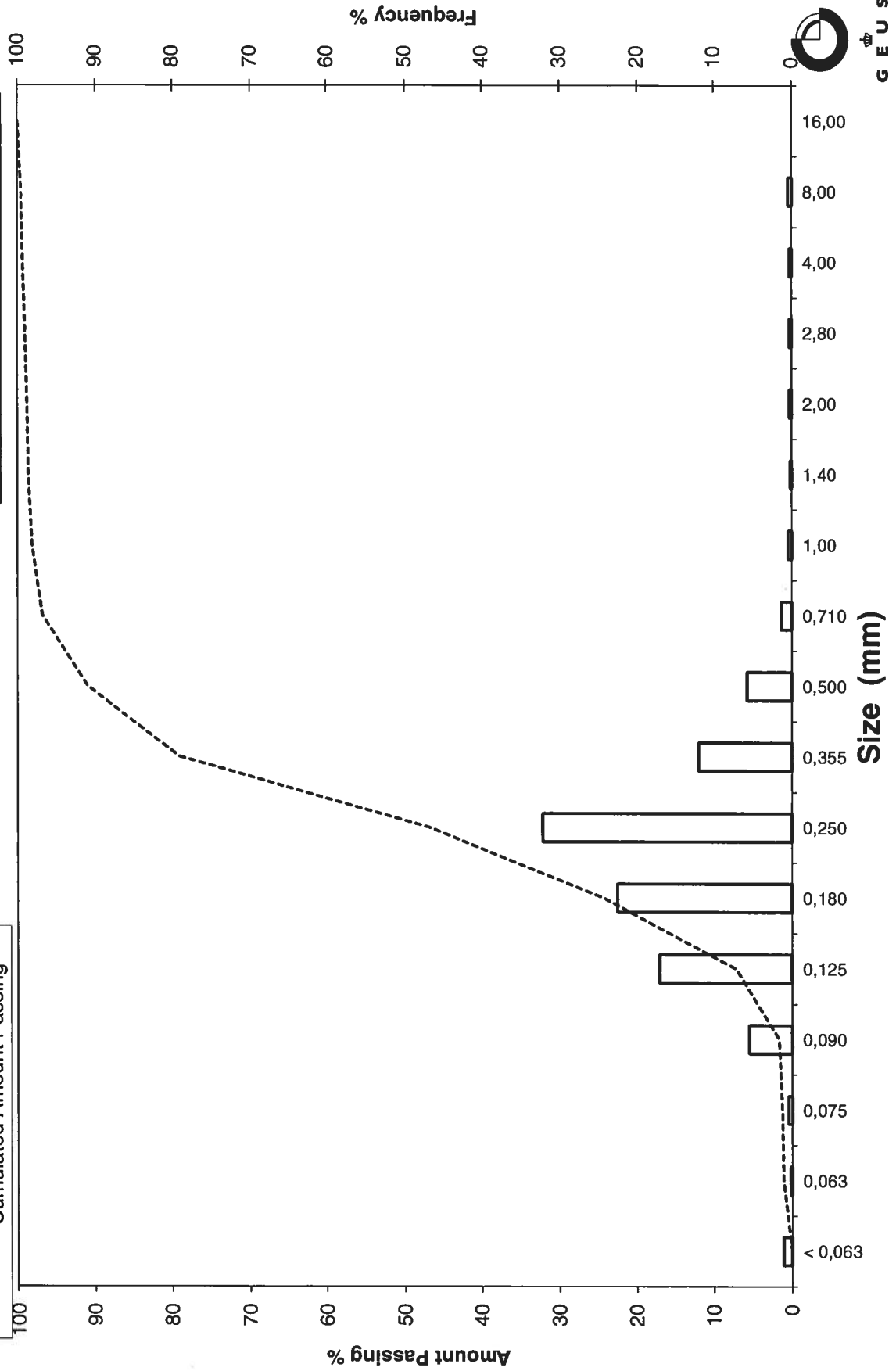
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 23, 0-140

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 26, 0-290
Lab. Id: 200866
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1mm består af skaller



Total Weight 97,9 g

Size Fractions

	Size	Size	Weight	Weight	Cumulated amount
	mm	Φ	g	%	amount passing %
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	0,08	0,08	99,92
	0,710	0,49	0,24	0,25	99,67
	0,500	1,00	1,71	1,75	97,93
	0,355	1,49	7,32	7,48	90,45
Sand	0,250	2,00	25,11	25,65	64,80
	0,180	2,47	34,22	34,95	29,85
	0,125	3,00	23,31	23,81	6,04
	0,090	3,47	3,85	3,93	2,10
	0,075	3,74	0,56	0,57	1,53
	0,063	3,99	0,27	0,28	1,26
	< 0,063	> 3,99	1,23	1,26	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,26
Sand, fine (0,063 mm - 0,200 mm):	38,58
Sand, medium (0,2 mm - 0,6 mm):	58,92
Sand, coarse (0,6 mm - 2 mm):	1,24
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,44	1,17
16%	84%	0,33	1,61
25%	75%	0,29	1,78
40%	60%	0,24	2,06
Median 50%	50%	0,22	2,18
75%	25%	0,17	2,57
84%	16%	0,15	2,76
90%	10%	0,13	2,90
95%	5%	0,12	3,11

Moments Statistics

Mean	2,18
Sorting	0,58
Skewness	-0,02
Kurtosis	1,01
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)

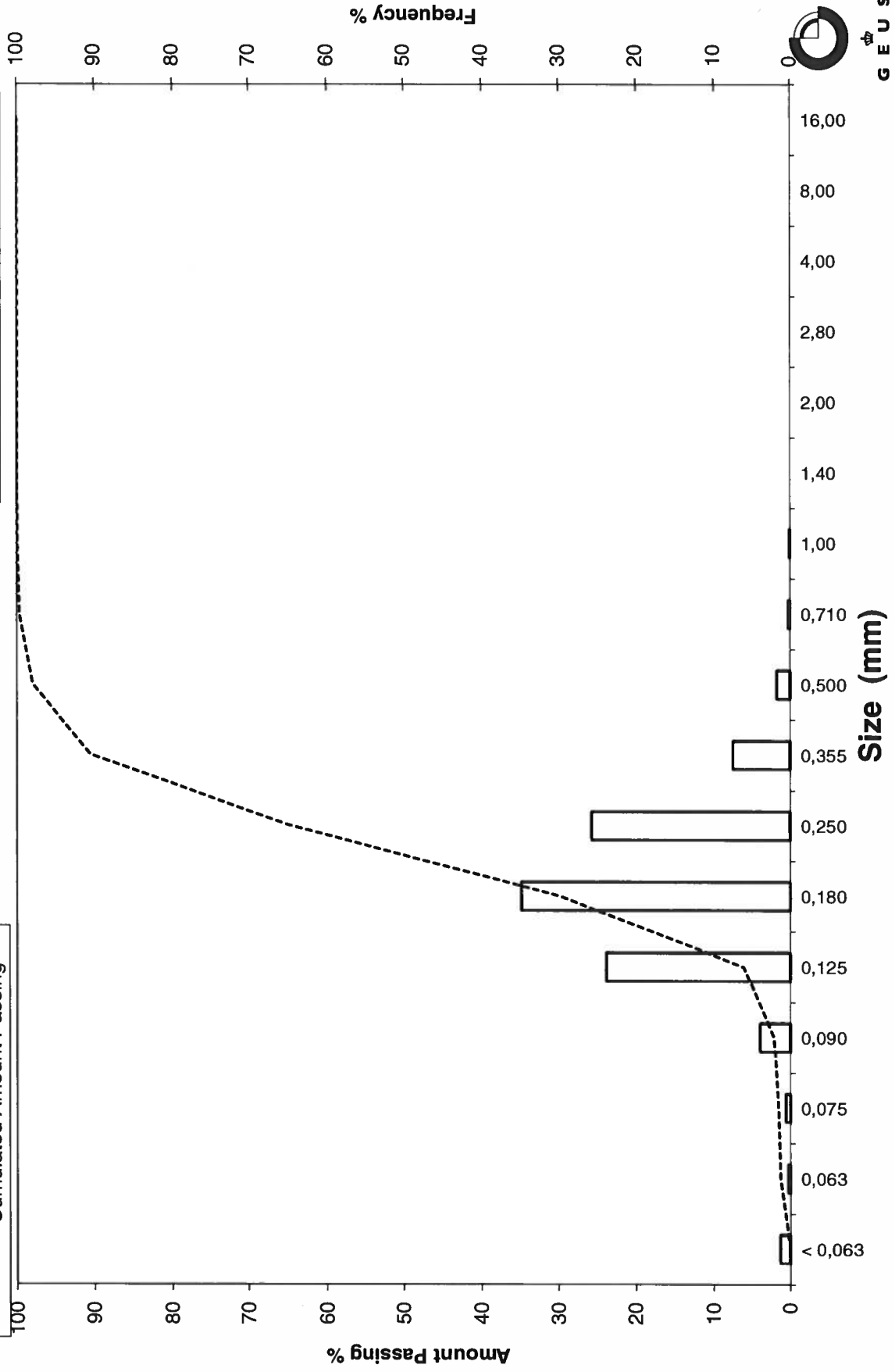
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 26, 0-290

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 28, 0-400
Lab. Id: 200867
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >0,710mm består af skaller



Total Weight 92,89 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing %
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,05	0,05	99,95
2,80	-1,49	0,04	0,04	99,90
2,00	-1,00	0,02	0,02	99,88
1,40	-0,49	0,01	0,01	99,87
1,00	0,00	0,03	0,03	99,84
0,710	0,49	0,08	0,09	99,75
0,500	1,00	0,15	0,16	99,59
0,355	1,49	0,44	0,47	99,12
0,250	2,00	1,29	1,39	97,73
0,180	2,47	2,89	3,11	94,62
0,125	3,00	18,31	19,71	74,91
0,090	3,47	61,11	65,79	9,12
0,075	3,74	4,31	4,64	4,48
0,063	3,99	1,08	1,16	3,32
< 0,063	> 3,99	3,08	3,32	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,32
Sand, fine (0,063 mm - 0,200 mm):	92,19
Sand, medium (0,2 mm - 0,6 mm):	4,16
Sand, coarse (0,6 mm - 2 mm):	0,21
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%	0,19	2,41
16%	84%	0,15	2,73
25%	75%	0,13	3,00
40%	60%	0,12	3,09
Median 50%	50%	0,11	3,16
75%	25%	0,10	3,34
84%	16%	0,09	3,42
90%	10%	0,09	3,47
95%	5%	0,08	3,70

Moments Statistics

Mean	3,10
Sorting	0,37
Skewness	-0,21
Kurtosis	1,53
Uniformity Coefficient	1,29

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

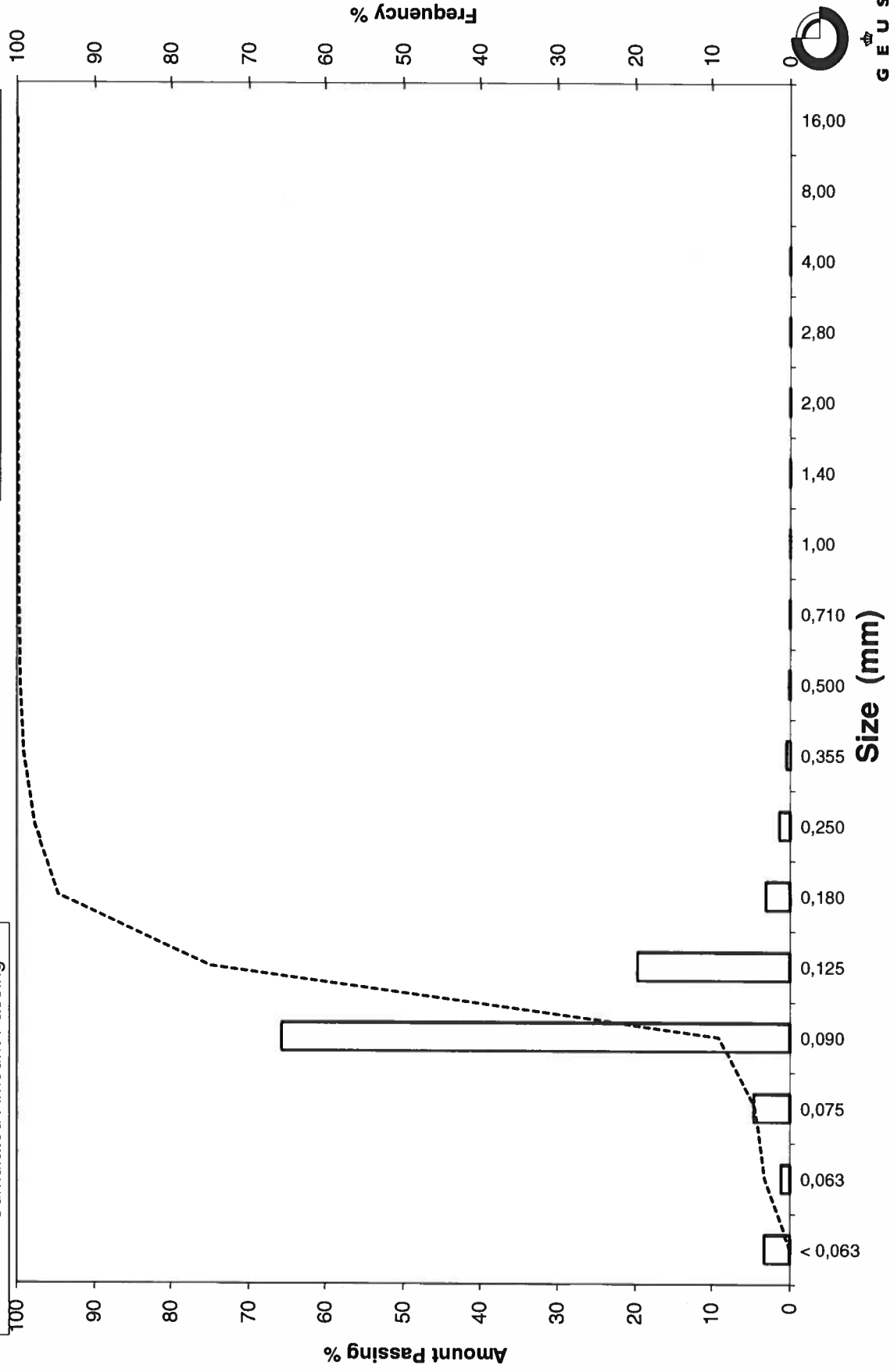
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 28, 0-400

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 31, 0-500
Lab. Id: 200868
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1mm består af skaller



Total Weight 105,31 g

Size Fractions

Sieve Analysis					
	Size	Size	Weight	Weight	Cumulated amount passing
	mm	Φ	g	%	%
Gravel	16,00	-4,00	0,00	0,00	100,00
	8,00	-3,00	0,00	0,00	100,00
	4,00	-2,00	0,06	0,06	99,94
	2,80	-1,49	0,04	0,04	99,91
	2,00	-1,00	0,06	0,06	99,85
	1,40	-0,49	0,04	0,04	99,81
	1,00	0,00	0,08	0,08	99,73
	0,710	0,49	0,22	0,21	99,53
	0,500	1,00	1,31	1,24	98,28
	0,355	1,49	5,45	5,18	93,11
	0,250	2,00	13,94	13,24	79,87
	0,180	2,47	22,51	21,37	58,49
	0,125	3,00	36,55	34,71	23,79
	0,090	3,47	19,11	18,15	5,64
	0,075	3,74	2,16	2,05	3,59
	0,063	3,99	0,93	0,88	2,71
	< 0,063	> 3,99	2,85	2,71	0,00
Sand					

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,71
Sand, fine (0,063 mm - 0,200 mm):	61,89
Sand, medium (0,2 mm - 0,6 mm):	34,27
Sand, coarse (0,6 mm - 2 mm):	0,97
Gravel (> 2 mm):	0,15
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%	0,28	1,82
25%	75%	0,23	2,10
40%	60%	0,18	2,43
Median 50%	50%	0,17	2,59
75%	25%	0,13	2,98
84%	16%	0,11	3,18
90%	10%	0,10	3,35
95%	5%	0,09	3,55

Moments Statistics

Mean	2,53
Sorting	0,68
Skewness	-0,13
Kurtosis	1,05
Uniformity Coefficient	1,88

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

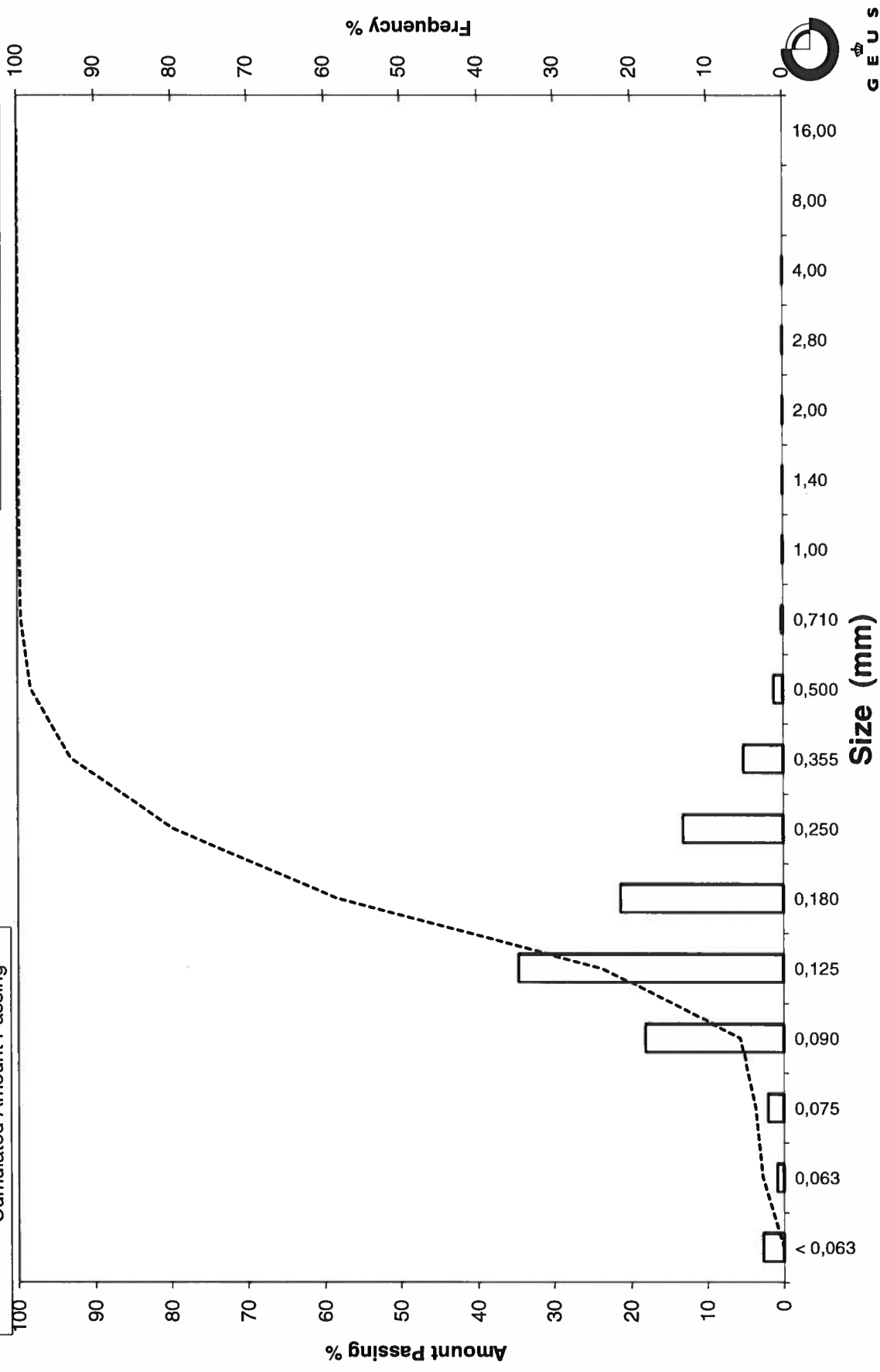
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 31, 0-500

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 36, 0-300
Lab. Id: 200869
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm består af skaller



Total Weight 108,37 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,05	0,05	99,95
1,40	-0,49	0,14	0,13	99,82
1,00	0,00	0,37	0,34	99,48
0,710	0,49	1,15	1,06	98,42
0,500	1,00	6,09	5,62	92,80
0,355	1,49	16,50	15,23	77,58
0,250	2,00	35,89	33,12	44,46
0,180	2,47	32,49	29,98	14,48
0,125	3,00	12,73	11,75	2,73
0,090	3,47	1,52	1,40	1,33
0,075	3,74	0,21	0,19	1,14
0,063	3,99	0,11	0,10	1,03
< 0,063	> 3,99	1,12	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):	22,01
Sand, medium (0,2 mm - 0,6 mm):	72,43
Sand, coarse (0,6 mm - 2 mm):	4,48
Gravel (> 2 mm):	0,05
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,58	0,78
16%	84%	0,42	1,26
25%	75%	0,35	1,53
40%	60%	0,30	1,74
Median 50%	50%	0,27	1,90
75%	25%	0,20	2,29
84%	16%	0,18	2,45
90%	10%	0,16	2,65
95%	5%	0,14	2,88

Moments Statistics

Mean	1,87
Sorting	0,61
Skewness	-0,07
Kurtosis	1,13
Uniformity Coefficient	1,88

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

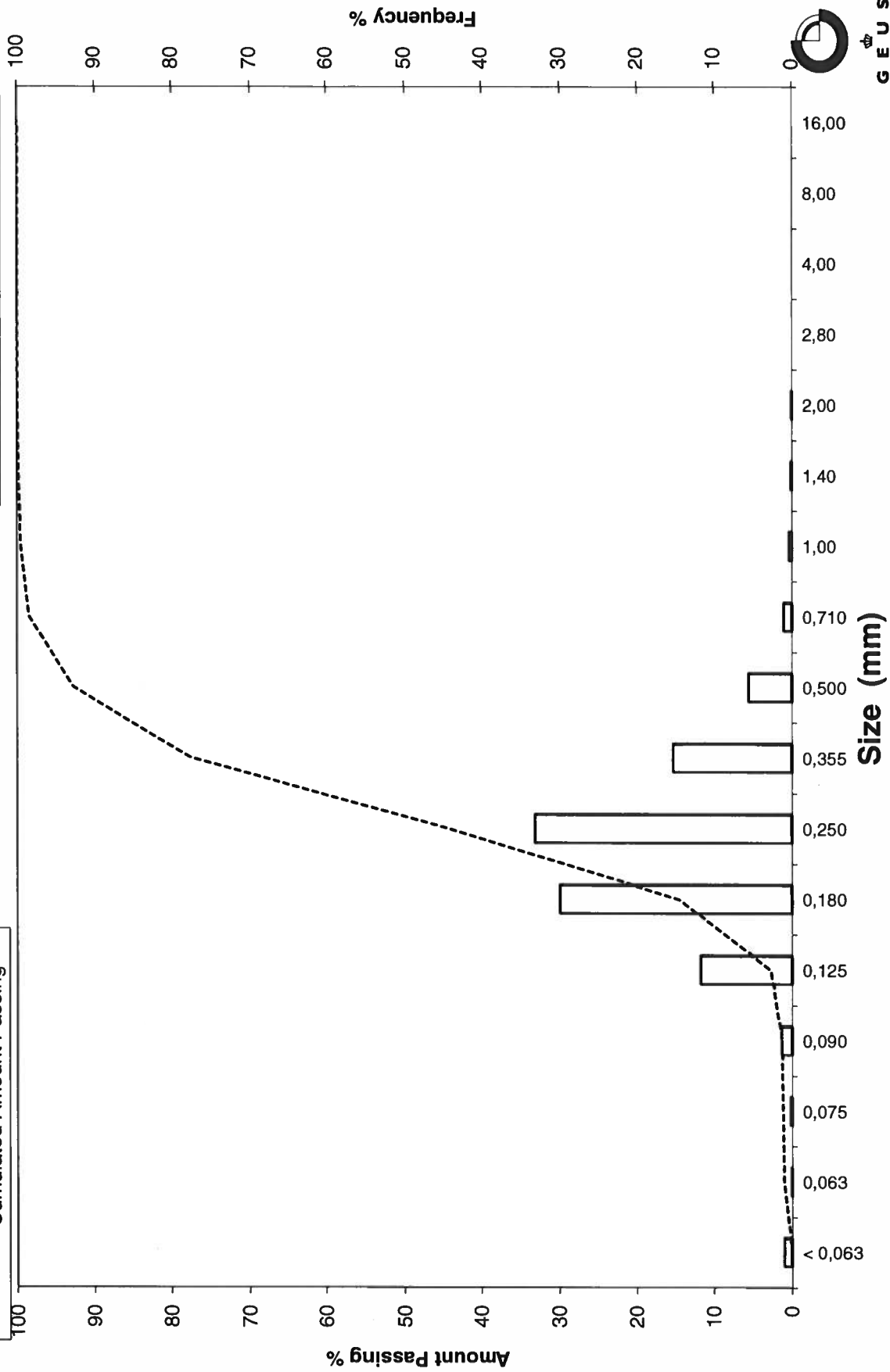
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 36, 0-300

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: HRNE 42, 0-200
Lab. Id: 200870
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1mm består af skaller



Total Weight 99,1 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	0,16	0,16	99,84
2,80	-1,49	0,11	0,11	99,73
2,00	-1,00	0,01	0,01	99,72
1,40	-0,49	0,04	0,04	99,68
1,00	0,00	0,08	0,08	99,60
0,710	0,49	0,08	0,08	99,52
0,500	1,00	0,41	0,41	99,10
0,355	1,49	2,81	2,84	96,27
0,250	2,00	12,85	12,97	83,30
0,180	2,47	26,76	27,00	56,30
0,125	3,00	32,82	33,12	23,18
0,090	3,47	17,13	17,29	5,89
0,075	3,74	1,88	1,90	4,00
0,063	3,99	0,82	0,83	3,17
< 0,063	> 3,99	3,14	3,17	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,17
Sand, fine (0,063 mm - 0,200 mm):	60,84
Sand, medium (0,2 mm - 0,6 mm):	35,29
Sand, coarse (0,6 mm - 2 mm):	0,42
Gravel (> 2 mm):	0,28
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%	0,26	1,97
25%	75%	0,23	2,13
40%	60%	0,19	2,40
Median 50%	50%	0,17	2,56
75%	25%	0,13	2,97
84%	16%	0,11	3,18
90%	10%	0,10	3,35
95%	5%	0,08	3,59

Moments Statistics

Mean	2,57
Sorting	0,61
Skewness	0,01
Kurtosis	1,01
Uniformity Coefficient	1,93

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

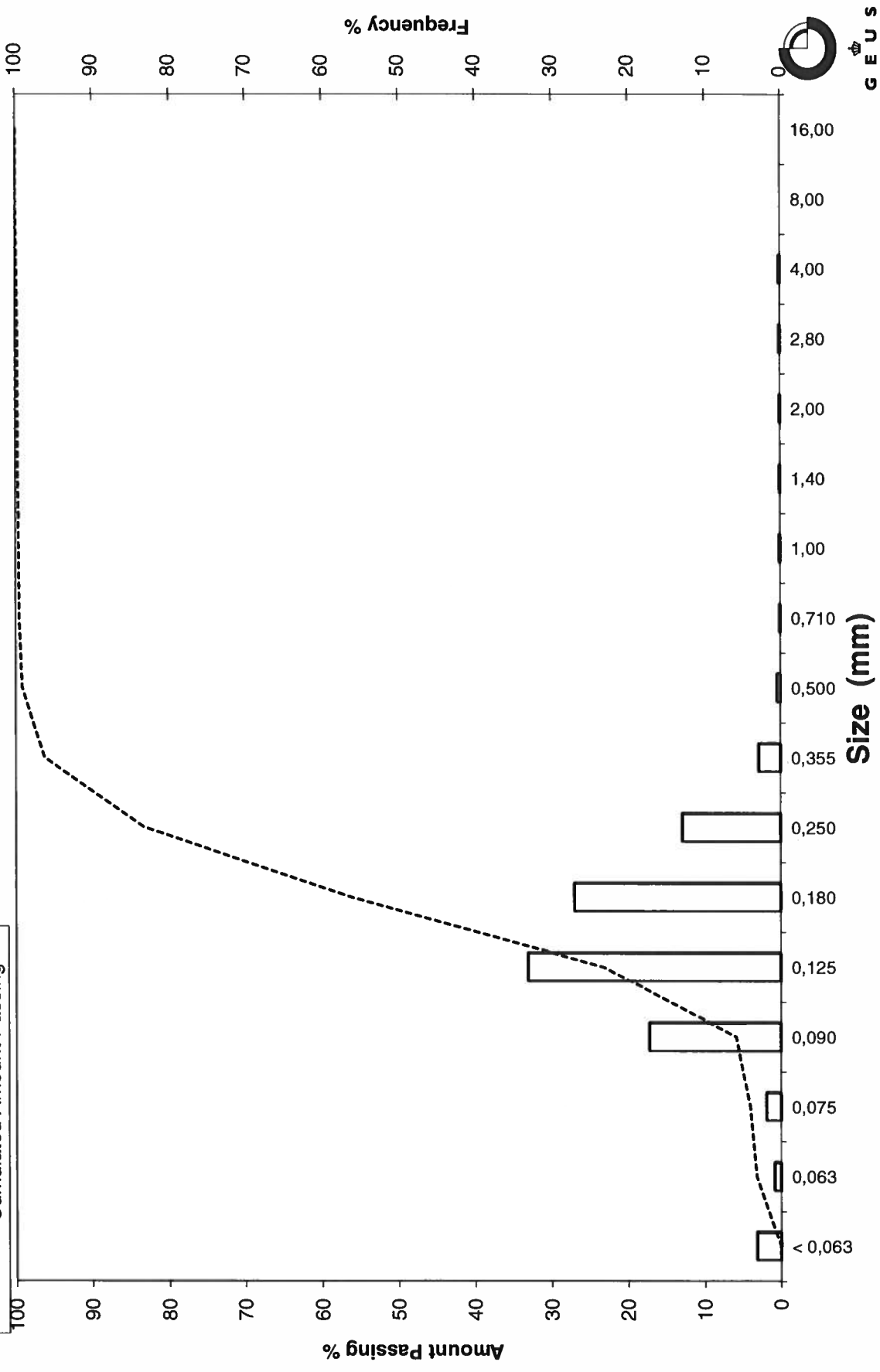
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: HRNE 42, 0-200

Frequency Percent
Cumulated Amount Passing



GEUS

Grain Size Distribution

Geotechnical

Sample Id: VKY 01, 0-100
Lab. Id: 200871
Projekt MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm heraf 0,3g skaller



Total Weight 97,06 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount
mm	Φ	g	%	amount passing
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,14	0,14	99,86
2,80	-1,49	0,08	0,08	99,77
2,00	-1,00	0,10	0,10	99,67
1,40	-0,49	0,11	0,11	99,56
1,00	0,00	0,30	0,31	99,25
0,710	0,49	0,82	0,84	98,40
0,500	1,00	2,09	2,15	96,25
0,355	1,49	2,21	2,28	93,97
0,250	2,00	4,27	4,40	89,57
0,180	2,47	11,31	11,65	77,92
0,125	3,00	27,85	28,69	49,23
0,090	3,47	29,20	30,08	19,14
0,075	3,74	4,68	4,82	14,32
0,063	3,99	3,40	3,50	10,82
< 0,063	> 3,99	10,50	10,82	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	10,82
Sand, fine (0,063 mm - 0,200 mm):	70,43
Sand, medium (0,2 mm - 0,6 mm):	16,02
Sand, coarse (0,6 mm - 2 mm):	2,40
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%	0,42	1,25
16%	84%	0,22	2,21
25%	75%	0,17	2,52
40%	60%	0,15	2,78
Median 50%	50%	0,13	2,98
75%	25%	0,10	3,37
84%	16%	0,08	3,64
90%	10%	-----	-----
95%	5%	-----	-----

Moments Statistics

Mean	2,94
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	-----

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

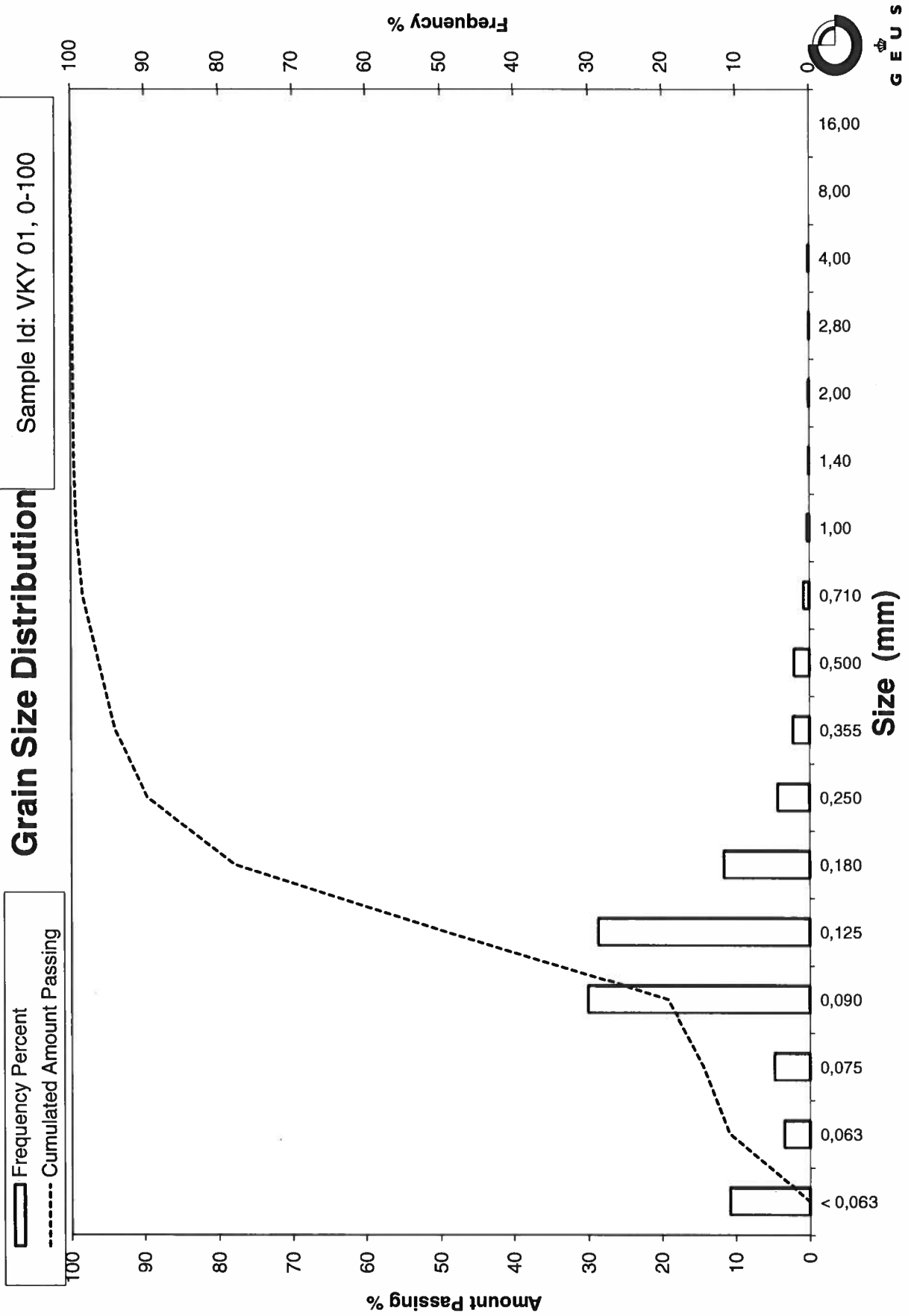
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

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

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Grain Size Distribution

Geotechnical

Sample Id: VKY 23, 100-170
Lab. Id: 200872
Projekt MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 95,92 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	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,01	0,01	99,99
1,00	0,00	0,01	0,01	99,98
0,710	0,49	0,04	0,04	99,94
0,500	1,00	0,15	0,16	99,78
0,355	1,49	0,48	0,50	99,28
0,250	2,00	1,31	1,37	97,91
0,180	2,47	9,25	9,64	88,27
0,125	3,00	47,27	49,28	38,99
0,090	3,47	28,29	29,49	9,50
0,075	3,74	4,78	4,98	4,51
0,063	3,99	1,93	2,01	2,50
< 0,063	> 3,99	2,40	2,50	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	2,50
Sand, fine (0,063 mm - 0,200 mm):	88,52
Sand, medium (0,2 mm - 0,6 mm):	8,83
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%	0,23	2,13
16%	84%	0,18	2,51
25%	75%	0,17	2,60
40%	60%	0,15	2,75
Median 50%	50%	0,14	2,86
75%	25%	0,11	3,21
84%	16%	0,10	3,36
90%	10%	0,09	3,46
95%	5%	0,08	3,71

Moments Statistics

Mean	2,91
Sorting	0,45
Skewness	0,12
Kurtosis	1,07
Uniformity Coefficient	1,64

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

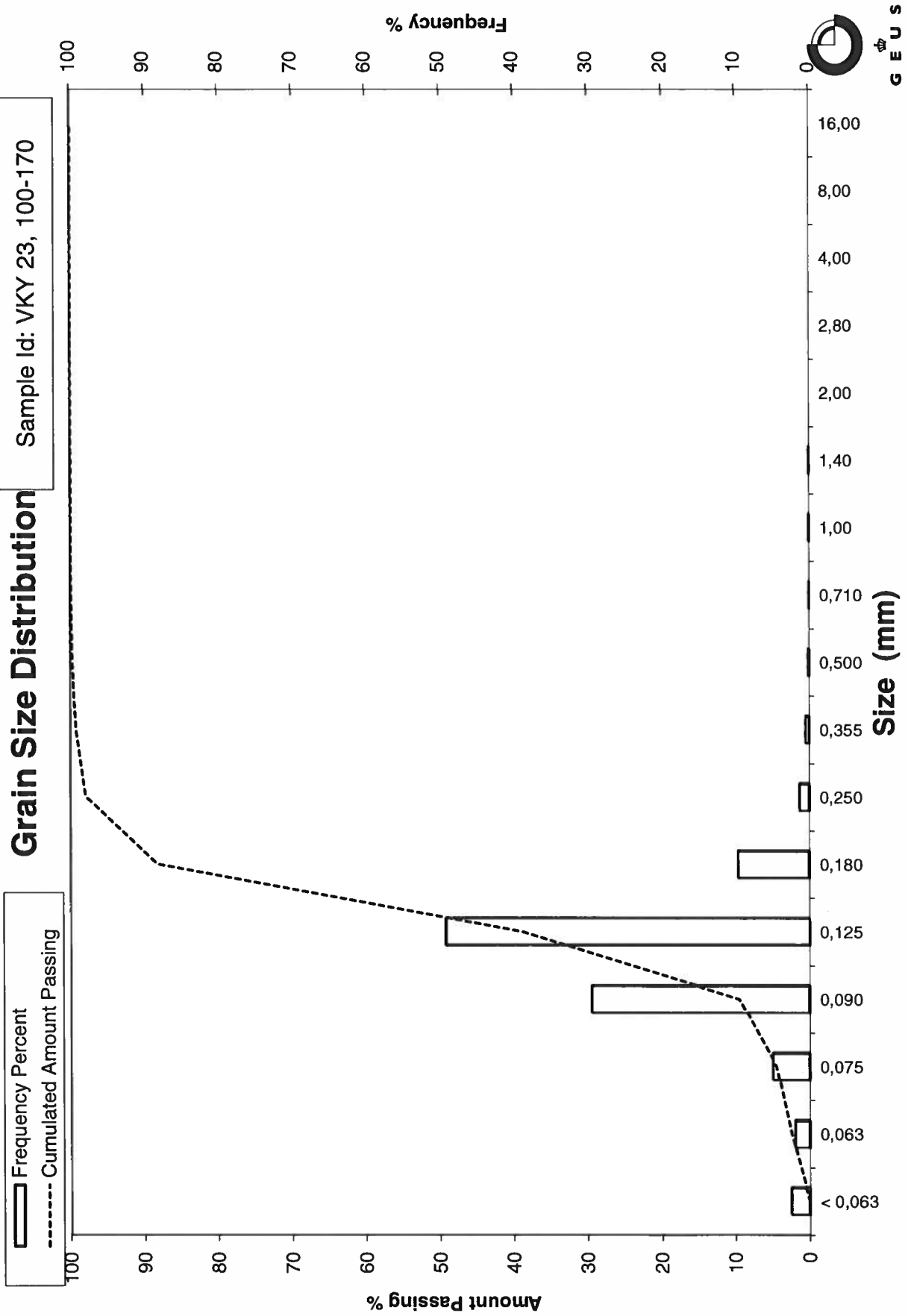
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

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

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Grain Size Distribution

Geotechnical

Sample Id: VKY 35, 0-40
Lab. Id: 200873
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm består af skaller



Total Weight 98,5 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	0,13	0,13	99,87
2,80	-1,49	0,32	0,32	99,54
2,00	-1,00	0,17	0,17	99,37
1,40	-0,49	0,14	0,14	99,23
1,00	0,00	0,26	0,26	98,96
0,710	0,49	0,75	0,76	98,20
0,500	1,00	4,24	4,30	93,90
0,355	1,49	10,82	10,98	82,91
0,250	2,00	18,99	19,28	63,63
0,180	2,47	9,03	9,17	54,47
0,125	3,00	12,76	12,95	41,51
0,090	3,47	31,35	31,83	9,69
0,075	3,74	2,68	2,72	6,96
0,063	3,99	1,03	1,05	5,92
< 0,063	> 3,99	5,83	5,92	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,92
Sand, fine (0,063 mm - 0,200 mm):	51,17
Sand, medium (0,2 mm - 0,6 mm):	38,86
Sand, coarse (0,6 mm - 2 mm):	3,42
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%	0,55	0,85
16%	84%	0,37	1,44
25%	75%	0,31	1,68
40%	60%	0,22	2,17
Median 50%	50%	0,16	2,63
75%	25%	0,11	3,23
84%	16%	0,10	3,37
90%	10%	0,09	3,47
95%	5%	-----	-----

Moments Statistics

Mean	2,48
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	2,46

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

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)

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

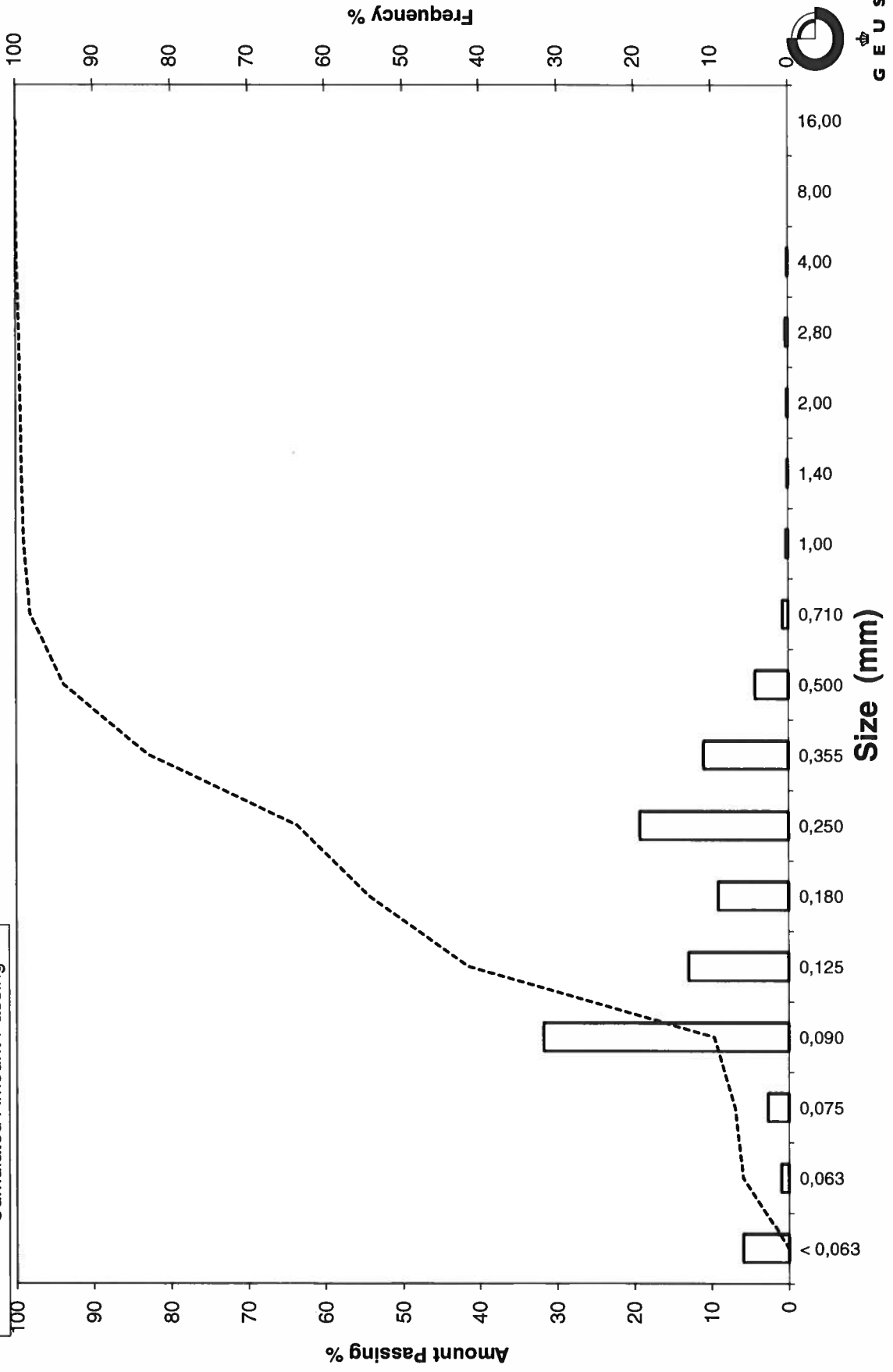
Size Classes and Percentiles are found by linear interpolation

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Grain Size Distribution

Sample Id: VKY 35, 0-40

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: VKY 36, 0-100
Lab. Id: 200874
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm består af skaller



Total Weight 96,21 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	0,24	0,25	99,75
4,00	-2,00	0,00	0,00	99,75
2,80	-1,49	0,18	0,19	99,56
2,00	-1,00	0,04	0,04	99,52
1,40	-0,49	0,02	0,02	99,50
1,00	0,00	0,09	0,09	99,41
0,710	0,49	0,37	0,38	99,02
0,500	1,00	2,17	2,26	96,77
0,355	1,49	4,76	4,95	91,82
0,250	2,00	10,11	10,51	81,31
0,180	2,47	13,64	14,18	67,13
0,125	3,00	22,87	23,77	43,36
0,090	3,47	33,38	34,69	8,67
0,075	3,74	3,41	3,54	5,12
0,063	3,99	1,35	1,40	3,72
< 0,063	> 3,99	3,58	3,72	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,72
Sand, fine (0,063 mm - 0,200 mm):	67,46
Sand, medium (0,2 mm - 0,6 mm):	26,66
Sand, coarse (0,6 mm - 2 mm):	1,68
Gravel (> 2 mm):	0,48
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,45	1,16
16%	84%	0,28	1,85
25%	75%	0,22	2,19
40%	60%	0,16	2,61
Median 50%	50%	0,14	2,83
75%	25%	0,11	3,23
84%	16%	0,10	3,36
90%	10%	0,09	3,45
95%	5%	0,07	3,76

Moments Statistics

Mean	2,68
Sorting	0,77
Skewness	-0,29
Kurtosis	1,03
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)

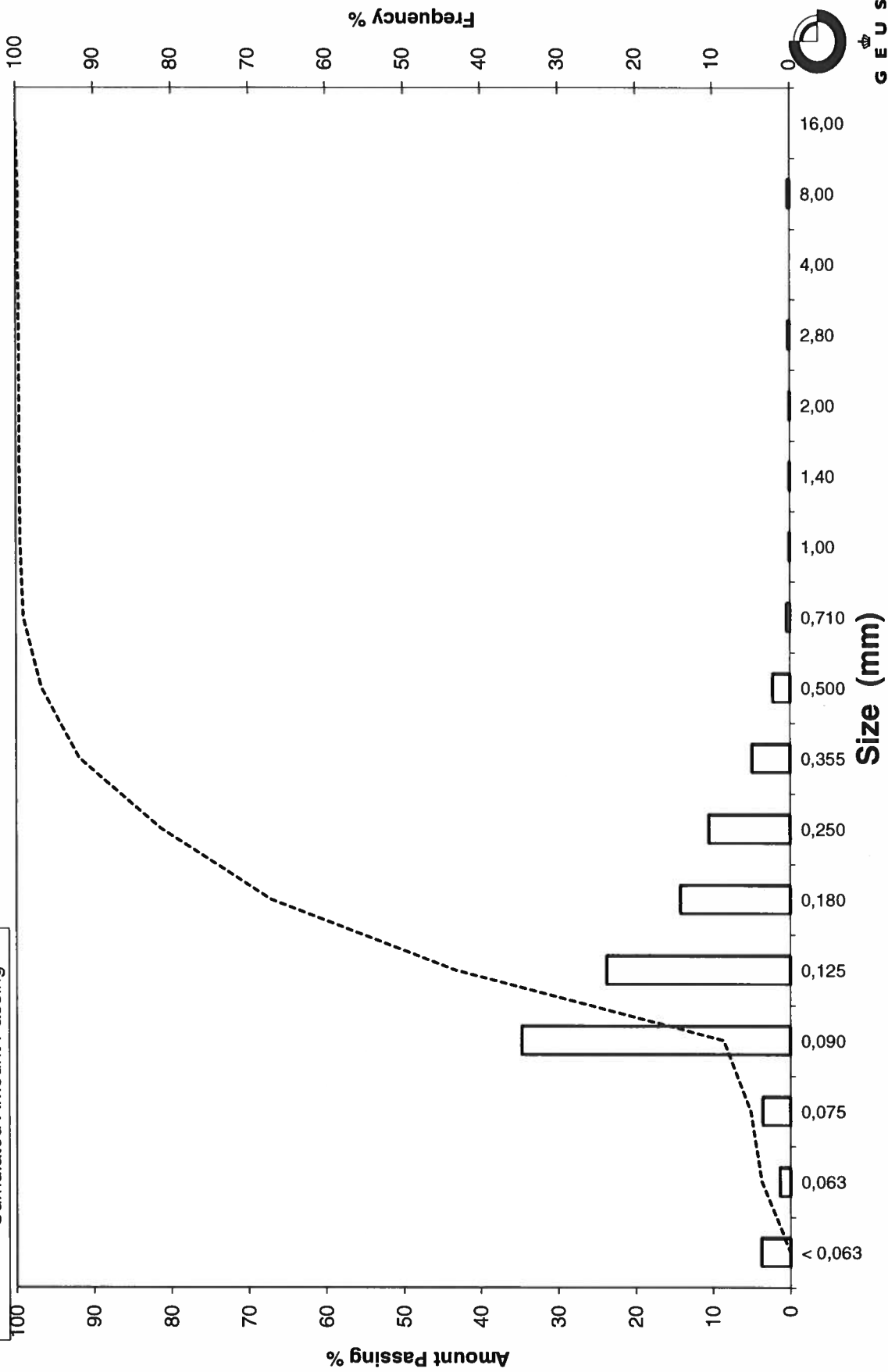
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: VKY 36, 0-100

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: VKY 39, 0-100
Lab. Id: 200875
Projekt MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm heraf 0,2g skaller



Total Weight 97,33 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,11	0,11	99,89
2,80	-1,49	0,21	0,22	99,67
2,00	-1,00	0,07	0,07	99,60
1,40	-0,49	0,07	0,07	99,53
1,00	0,00	0,14	0,14	99,38
0,710	0,49	0,25	0,26	99,13
0,500	1,00	0,67	0,69	98,44
0,355	1,49	1,24	1,27	97,16
0,250	2,00	2,15	2,21	94,96
0,180	2,47	4,78	4,91	90,04
0,125	3,00	16,84	17,30	72,74
0,090	3,47	55,62	57,15	15,60
0,075	3,74	6,38	6,56	9,04
0,063	3,99	2,67	2,74	6,30
< 0,063	> 3,99	6,13	6,30	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	6,30
Sand, fine (0,063 mm - 0,200 mm):	85,15
Sand, medium (0,2 mm - 0,6 mm):	7,32
Sand, coarse (0,6 mm - 2 mm):	0,83
Gravel (> 2 mm):	0,40
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,25	1,99
16%	84%	0,16	2,64
25%	75%	0,13	2,92
40%	60%	0,12	3,09
Median 50%	50%	0,11	3,17
75%	25%	0,10	3,38
84%	16%	0,09	3,47
90%	10%	0,08	3,70
95%	5%	-----	-----

Moments Statistics

Mean	3,09
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	1,52

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

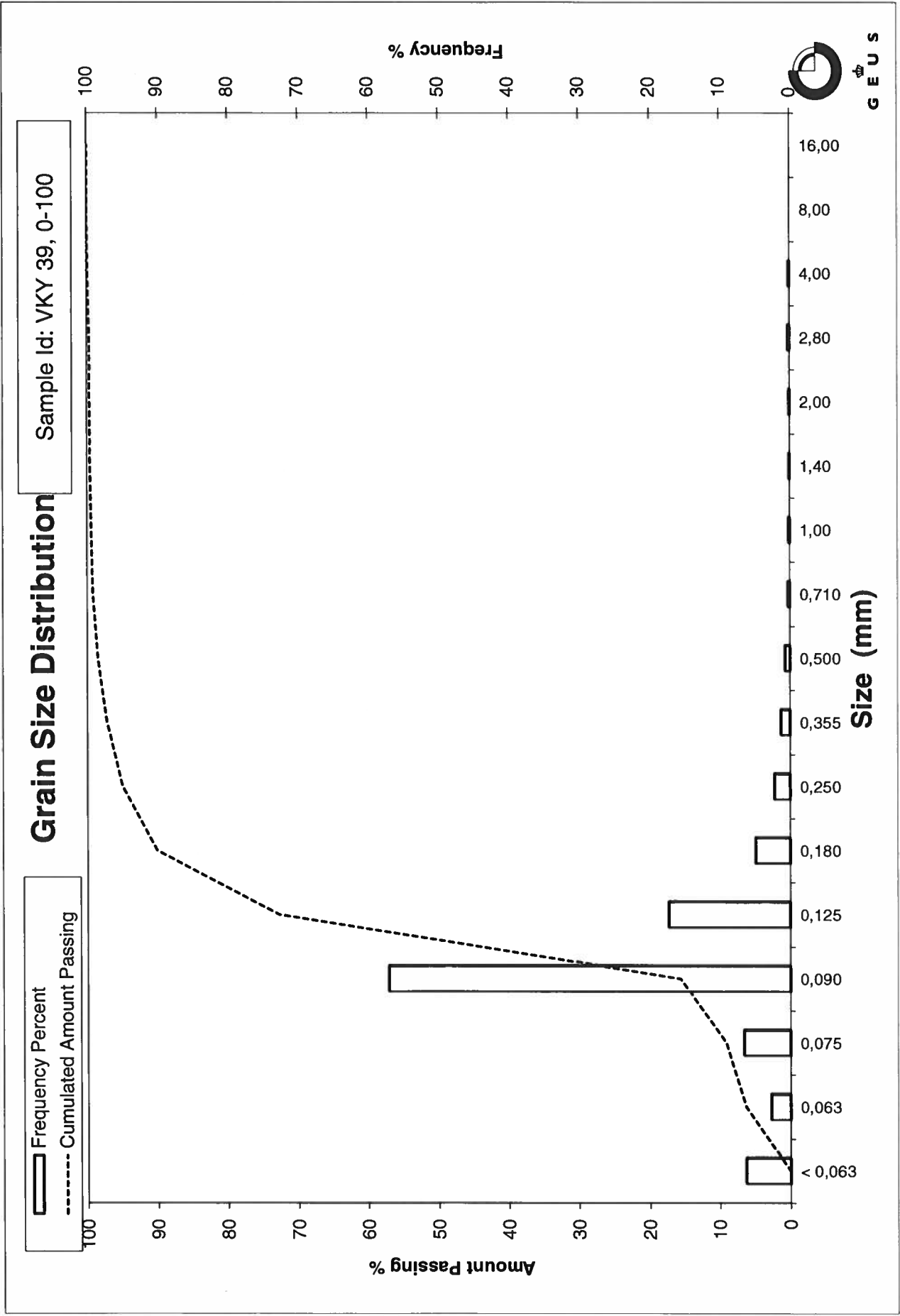
Kurtosis $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$ (Folk and Ward 1957)

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

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

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

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Grain Size Distribution

Geotechnical

Sample Id: VKY 43, 20-68
Lab. Id: 200876
Projekt MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 100,68 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	0,46	0,46	99,54
2,80	-1,49	0,24	0,24	99,30
2,00	-1,00	0,38	0,38	98,93
1,40	-0,49	0,26	0,26	98,67
1,00	0,00	0,71	0,71	97,96
0,710	0,49	1,58	1,57	96,39
0,500	1,00	6,13	6,09	90,31
0,355	1,49	13,96	13,87	76,44
0,250	2,00	26,56	26,38	50,06
0,180	2,47	25,84	25,67	24,39
0,125	3,00	19,25	19,12	5,27
0,090	3,47	3,82	3,79	1,48
0,075	3,74	0,37	0,37	1,11
0,063	3,99	0,18	0,18	0,93
< 0,063	> 3,99	0,94	0,93	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,93
Sand, fine (0,063 mm - 0,200 mm):	30,79
Sand, medium (0,2 mm - 0,6 mm):	61,48
Sand, coarse (0,6 mm - 2 mm):	5,72
Gravel (> 2 mm):	1,07
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,66	0,60
16%	84%	0,43	1,20
25%	75%	0,35	1,52
40%	60%	0,29	1,79
Median 50%	50%	0,25	2,00
75%	25%	0,18	2,46
84%	16%	0,16	2,68
90%	10%	0,14	2,85
95%	5%	0,12	3,03

Moments Statistics

Mean	1,96
Sorting	0,74
Skewness	-0,12
Kurtosis	1,06
Uniformity Coefficient	2,09

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

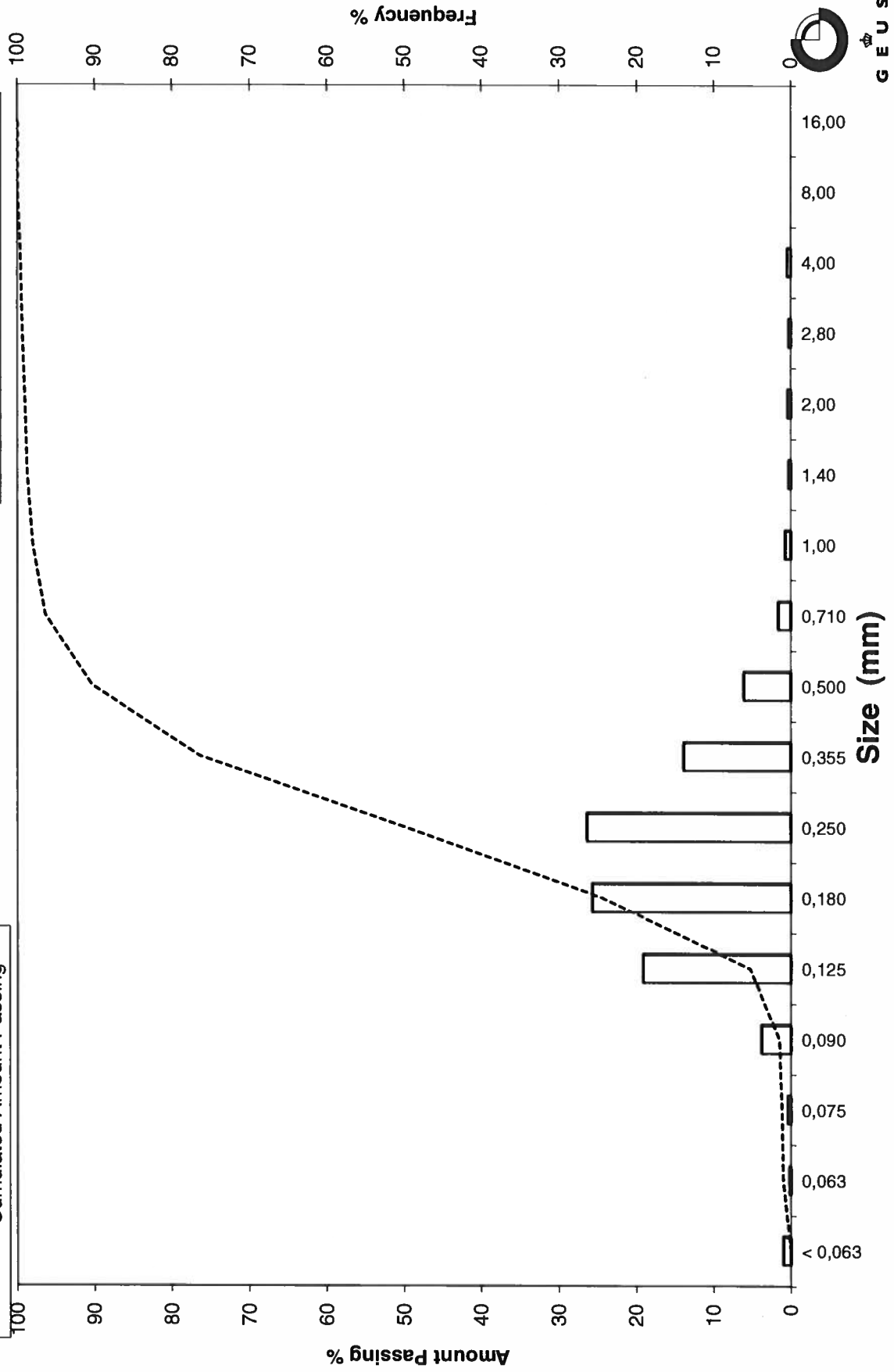
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: VKY 43, 20-68

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: VKY 45, 250-450
Lab. Id: 200877
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 104,36 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,08	0,08	99,92
2,00	-1,00	0,36	0,34	99,58
1,40	-0,49	1,14	1,09	98,49
1,00	0,00	3,59	3,44	95,05
0,710	0,49	6,34	6,08	88,97
0,500	1,00	10,08	9,66	79,31
0,355	1,49	18,36	17,59	61,72
0,250	2,00	36,65	35,12	26,60
0,180	2,47	14,55	13,94	12,66
0,125	3,00	9,58	9,18	3,48
0,090	3,47	2,17	2,08	1,40
0,075	3,74	0,24	0,23	1,17
0,063	3,99	0,10	0,10	1,07
< 0,063	> 3,99	1,12	1,07	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,07
Sand, fine (0,063 mm - 0,200 mm):	15,57
Sand, medium (0,2 mm - 0,6 mm):	67,27
Sand, coarse (0,6 mm - 2 mm):	15,67
Gravel (> 2 mm):	0,42
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	1,00	0,00
16%	84%	0,60	0,73
25%	75%	0,46	1,11
40%	60%	0,35	1,52
Median 50%	50%	0,32	1,64
75%	25%	0,24	2,05
84%	16%	0,20	2,35
90%	10%	0,16	2,61
95%	5%	0,13	2,90

Moments Statistics

Mean	1,57
Sorting	0,84
Skewness	-0,13
Kurtosis	1,26
Uniformity Coefficient	2,13

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

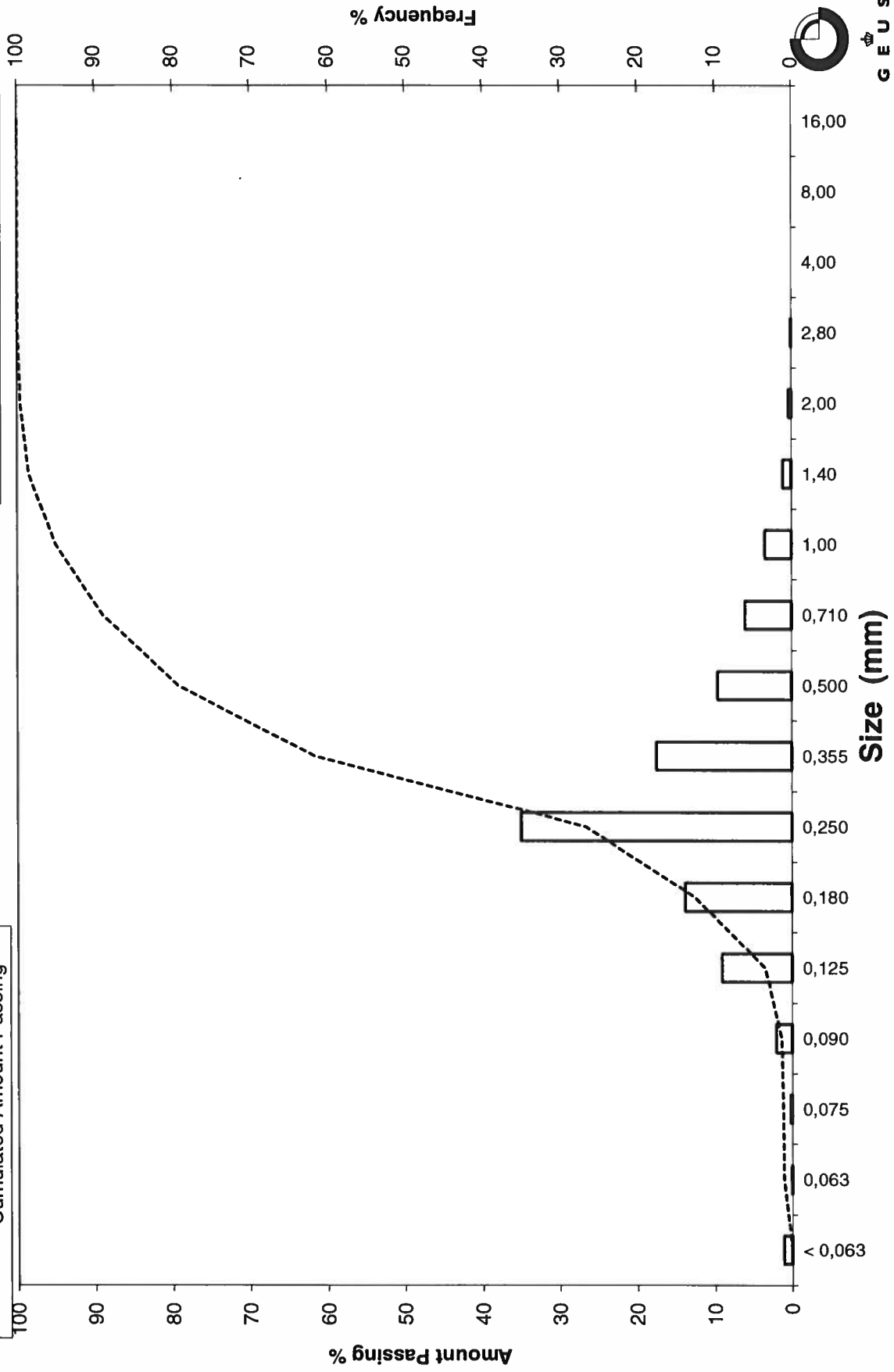
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: VKY 45, 250-450

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: VKY 51, 0-200
Lab. Id: 200878
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm heraf 0,4g skaller



Total Weight 103,44 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,61	0,59	99,41
2,80	-1,49	0,09	0,09	99,32
2,00	-1,00	0,09	0,09	99,24
1,40	-0,49	0,15	0,15	99,09
1,00	0,00	0,26	0,25	98,84
0,710	0,49	0,75	0,73	98,11
0,500	1,00	5,27	5,09	93,02
0,355	1,49	12,96	12,53	80,49
0,250	2,00	17,75	17,16	63,33
0,180	2,47	22,30	21,56	41,77
0,125	3,00	30,07	29,07	12,70
0,090	3,47	10,27	9,93	2,77
0,075	3,74	0,83	0,80	1,97
0,063	3,99	0,41	0,40	1,58
< 0,063	> 3,99	1,63	1,58	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,58
Sand, fine (0,063 mm - 0,200 mm):	46,36
Sand, medium (0,2 mm - 0,6 mm):	47,51
Sand, coarse (0,6 mm - 2 mm):	3,79
Gravel (> 2 mm):	0,76
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%	0,40	1,34
25%	75%	0,32	1,64
40%	60%	0,24	2,06
Median 50%	50%	0,21	2,27
75%	25%	0,15	2,75
84%	16%	0,13	2,93
90%	10%	0,12	3,11
95%	5%	0,10	3,35

Moments Statistics

Mean	2,18
Sorting	0,79
Skewness	-0,17
Kurtosis	0,94
Uniformity Coefficient	2,07

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

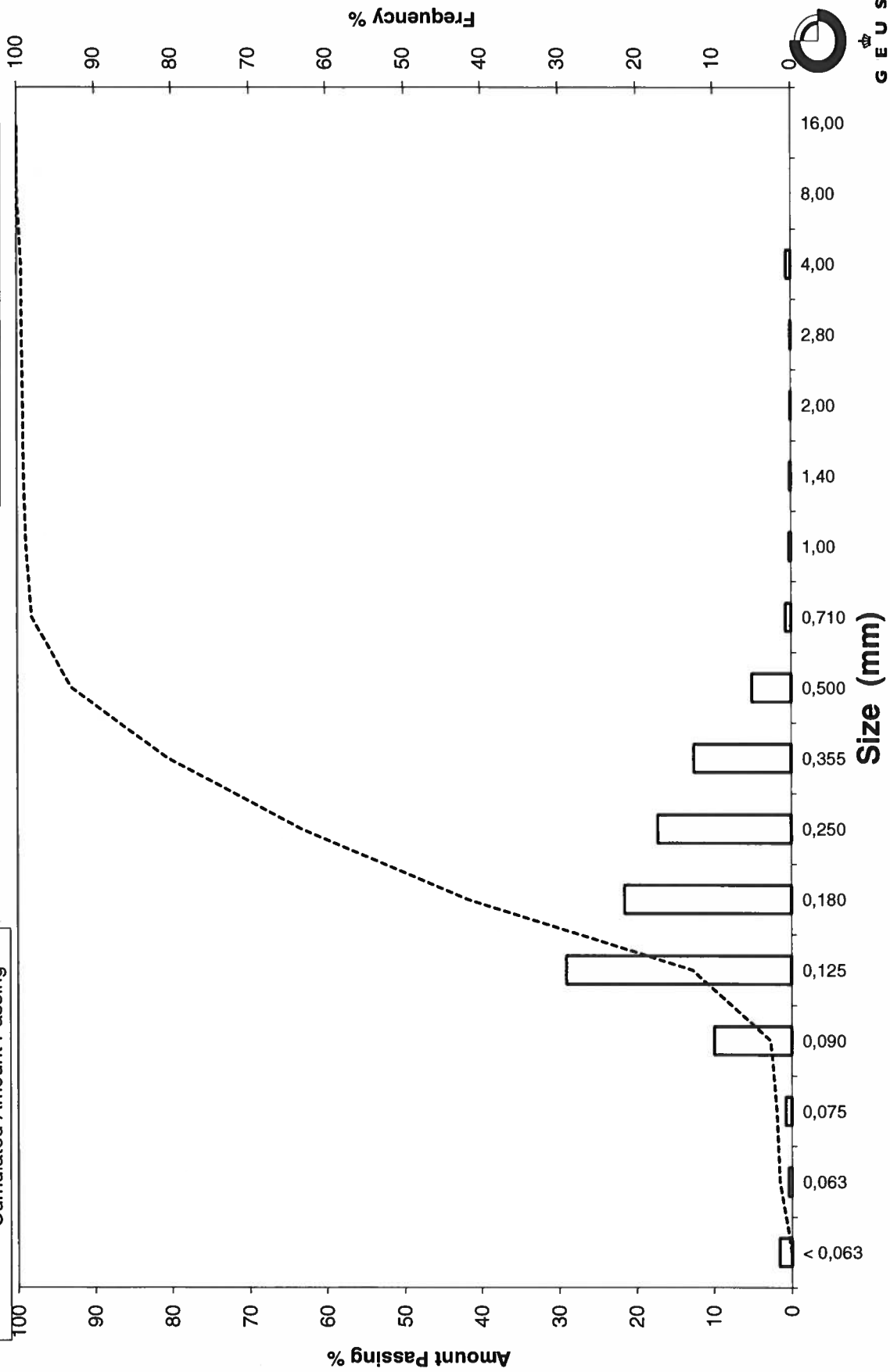
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: VKY 51, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: VKY 55, 10-80
Lab. Id: 200879
Projekt MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm består af skaller



Total Weight 94,14 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,07	0,07	99,93
2,80	-1,49	0,25	0,27	99,66
2,00	-1,00	0,08	0,08	99,58
1,40	-0,49	0,07	0,07	99,50
1,00	0,00	0,10	0,11	99,39
0,710	0,49	0,09	0,10	99,30
0,500	1,00	0,20	0,21	99,09
0,355	1,49	0,84	0,89	98,19
0,250	2,00	4,63	4,92	93,28
0,180	2,47	13,38	14,21	79,06
0,125	3,00	37,19	39,50	39,56
0,090	3,47	26,45	28,10	11,46
0,075	3,74	4,34	4,61	6,85
0,063	3,99	1,82	1,93	4,92
< 0,063	> 3,99	4,63	4,92	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	4,92
Sand, fine (0,063 mm - 0,200 mm):	78,21
Sand, medium (0,2 mm - 0,6 mm):	16,06
Sand, coarse (0,6 mm - 2 mm):	0,39
Gravel (> 2 mm):	0,42
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,29	1,80
16%	84%	0,20	2,29
25%	75%	0,17	2,52
40%	60%	0,15	2,70
Median 50%	50%	0,14	2,84
75%	25%	0,11	3,23
84%	16%	0,10	3,39
90%	10%	0,09	3,55
95%	5%	0,06	3,98

Moments Statistics

Mean	2,84
Sorting	0,60
Skewness	0,02
Kurtosis	1,26
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)

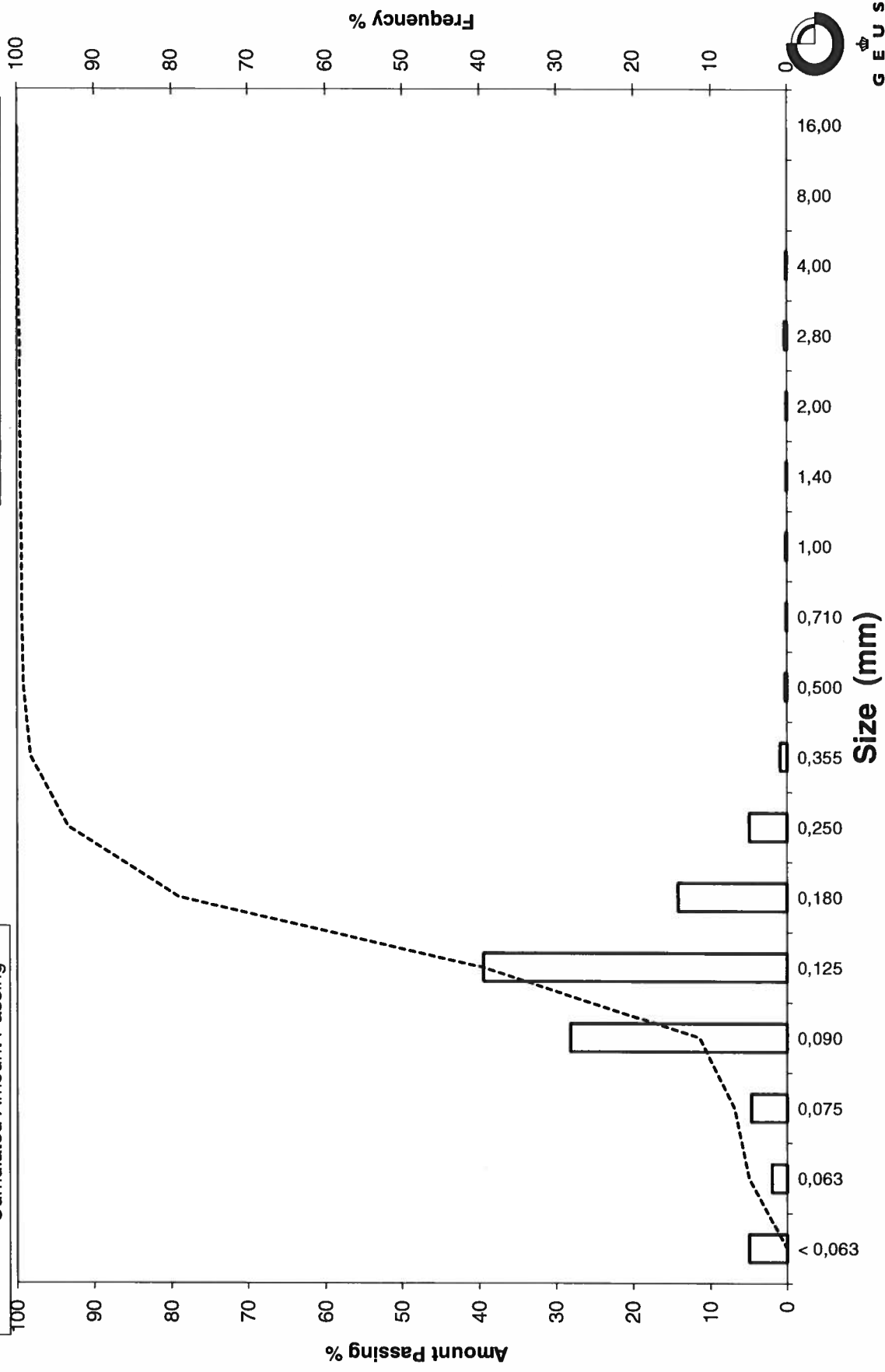
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: VKY 55, 10-80

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: VKY 68, 0-100
Lab. Id: 200880
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1mm heraf 0,2g skaller



Total Weight 98,2 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	1,96	2,00	98,00
4,00	-2,00	0,03	0,03	97,97
2,80	-1,49	0,03	0,03	97,94
2,00	-1,00	0,01	0,01	97,93
1,40	-0,49	0,03	0,03	97,90
1,00	0,00	0,11	0,11	97,79
0,710	0,49	0,13	0,13	97,66
0,500	1,00	0,51	0,52	97,14
0,355	1,49	1,57	1,60	95,54
0,250	2,00	6,70	6,82	88,72
0,180	2,47	16,98	17,29	71,43
0,125	3,00	36,78	37,45	33,97
0,090	3,47	19,87	20,23	13,74
0,075	3,74	4,19	4,27	9,47
0,063	3,99	2,65	2,70	6,77
< 0,063	> 3,99	6,65	6,77	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	6,77
Sand, fine (0,063 mm - 0,200 mm):	69,59
Sand, medium (0,2 mm - 0,6 mm):	21,02
Sand, coarse (0,6 mm - 2 mm):	0,55
Gravel (> 2 mm):	2,07
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,35	1,53
16%	84%	0,23	2,11
25%	75%	0,19	2,36
40%	60%	0,16	2,62
Median 50%	50%	0,15	2,75
75%	25%	0,11	3,19
84%	16%	0,09	3,41
90%	10%	0,08	3,70
95%	5%	-----	-----

Moments Statistics

Mean	2,76
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	2,12

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

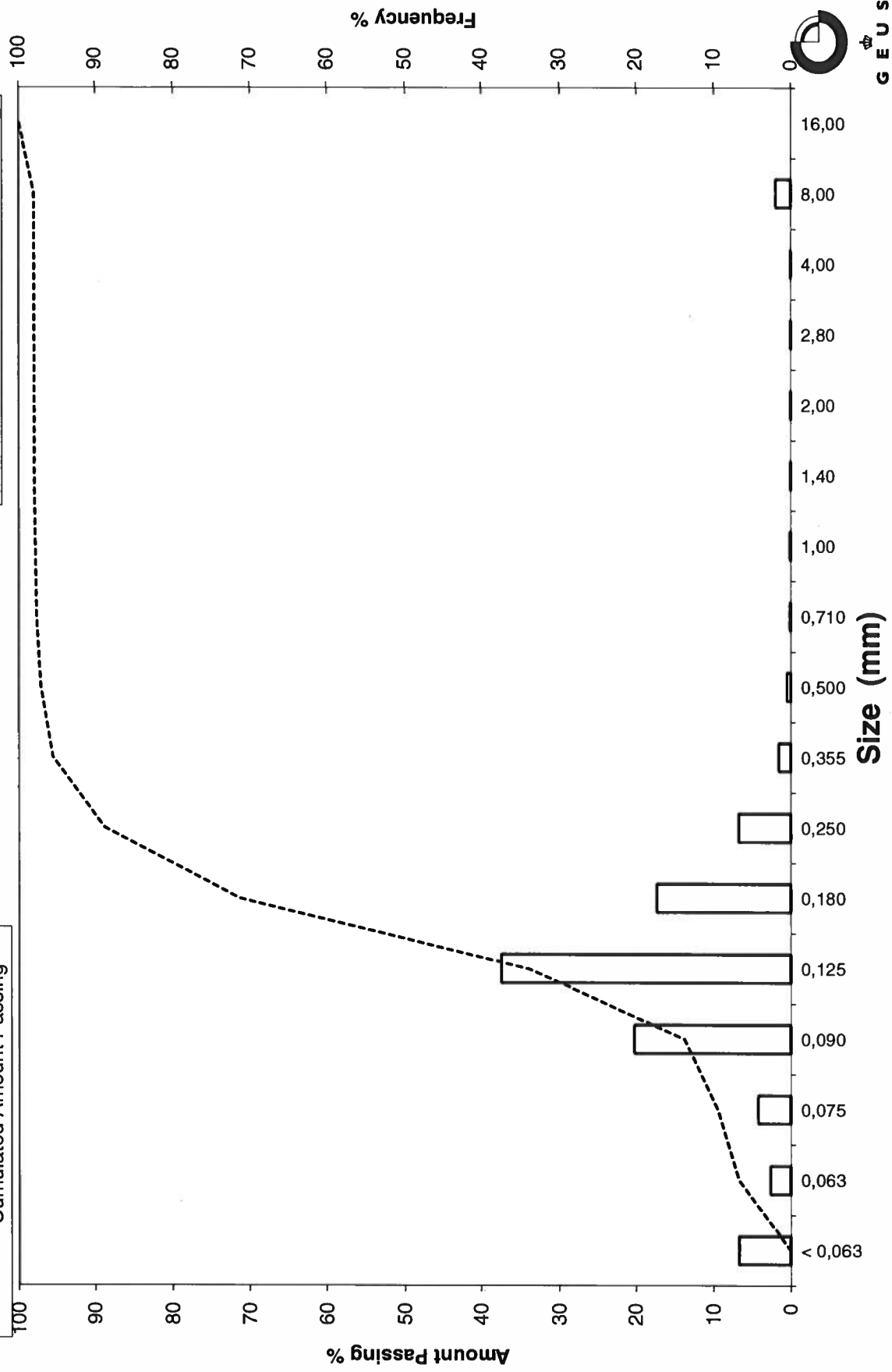
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: VKY 68, 0-100

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: VKY 71, 0-200
Lab. Id: 200881
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8mm består af skaller



Total Weight 96,14 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,05	0,05	99,95
2,80	-1,49	0,08	0,08	99,86
2,00	-1,00	0,03	0,03	99,83
1,40	-0,49	0,04	0,04	99,79
1,00	0,00	0,05	0,05	99,74
0,710	0,49	0,04	0,04	99,70
0,500	1,00	0,11	0,11	99,58
0,355	1,49	0,78	0,81	98,77
0,250	2,00	5,46	5,68	93,09
0,180	2,47	11,51	11,97	81,12
0,125	3,00	31,09	32,34	48,78
0,090	3,47	31,24	32,49	16,29
0,075	3,74	6,68	6,95	9,34
0,063	3,99	3,63	3,78	5,56
< 0,063	> 3,99	5,35	5,56	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,56
Sand, fine (0,063 mm - 0,200 mm):	78,98
Sand, medium (0,2 mm - 0,6 mm):	15,10
Sand, coarse (0,6 mm - 2 mm):	0,20
Gravel (> 2 mm):	0,17
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,29	1,81
16%	84%	0,20	2,34
25%	75%	0,17	2,56
40%	60%	0,14	2,80
Median 50%	50%	0,13	2,98
75%	25%	0,10	3,33
84%	16%	0,09	3,48
90%	10%	0,08	3,71
95%	5%	-----	-----

Moments Statistics

Mean	2,94
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	1,89

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

Formulas

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

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

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

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

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

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

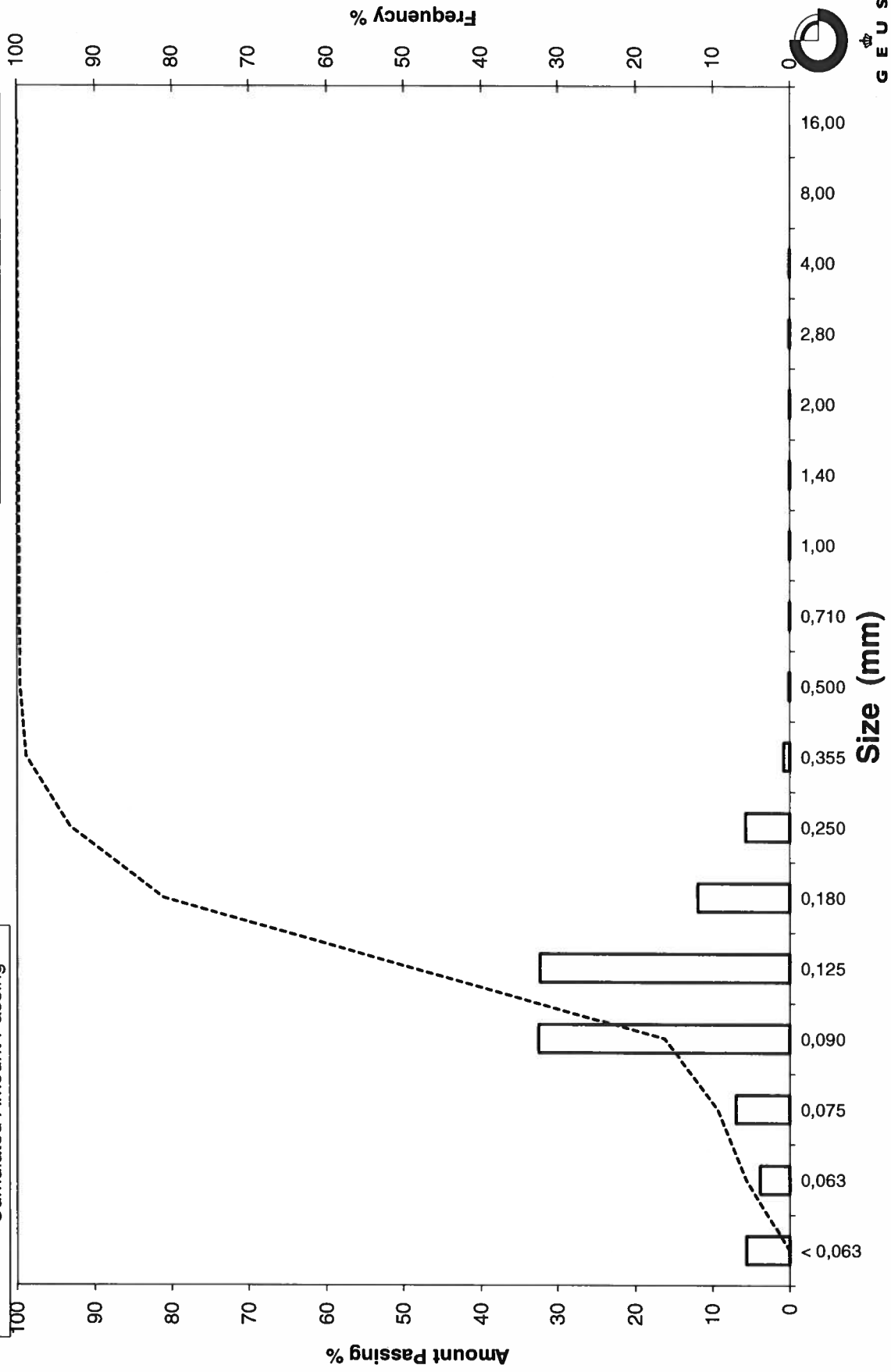
Size Classes and Percentiles are found by linear interpolation

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Grain Size Distribution

Sample Id: VKY 71, 0-200

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: VKY 72, 0-100
Lab. Id: 200882
Projekt: MST Råstoftkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >1,4mm består af skaller



Total Weight 100,93 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,04	0,04	99,96
2,80	-1,49	0,14	0,14	99,82
2,00	-1,00	0,26	0,26	99,56
1,40	-0,49	0,23	0,23	99,34
1,00	0,00	0,34	0,34	99,00
0,710	0,49	0,54	0,54	98,46
0,500	1,00	1,67	1,65	96,81
0,355	1,49	2,98	2,95	93,86
0,250	2,00	7,79	7,72	86,14
0,180	2,47	14,07	13,94	72,20
0,125	3,00	38,64	38,28	33,91
0,090	3,47	23,90	23,68	10,23
0,075	3,74	2,57	2,55	7,69
0,063	3,99	1,75	1,73	5,95
< 0,063	> 3,99	6,01	5,95	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	5,95
Sand, fine (0,063 mm - 0,200 mm):	70,23
Sand, medium (0,2 mm - 0,6 mm):	21,42
Sand, coarse (0,6 mm - 2 mm):	1,97
Gravel (> 2 mm):	0,44
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,41	1,28
16%	84%	0,24	2,06
25%	75%	0,19	2,37
40%	60%	0,16	2,62
Median 50%	50%	0,15	2,76
75%	25%	0,11	3,16
84%	16%	0,10	3,34
90%	10%	0,09	3,50
95%	5%	-----	-----

Moments Statistics

Mean	2,72
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	1,83

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

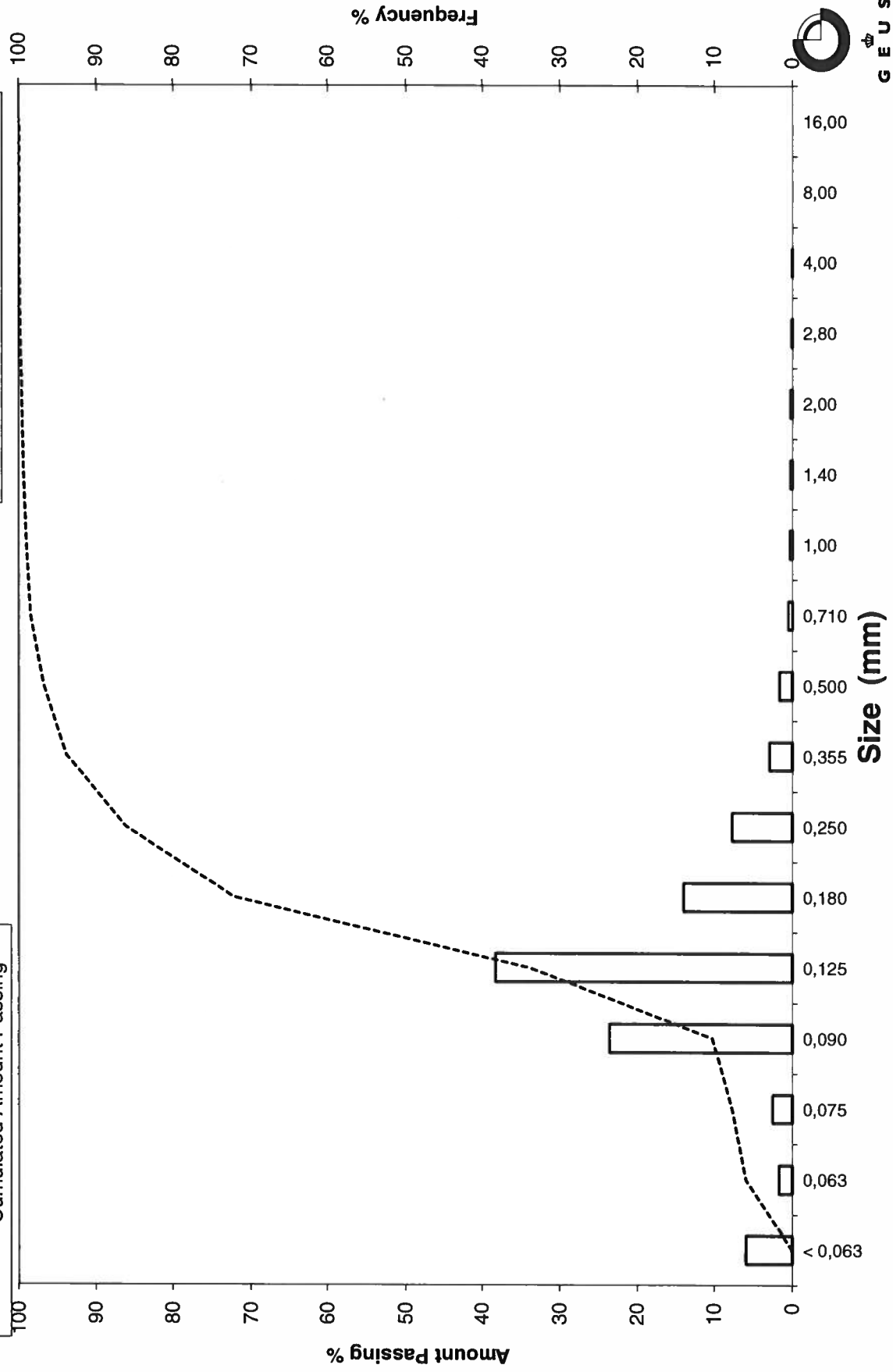
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: VKY 72, 0-100

Grain Size Distribution

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: VKY 73, 230-320
Lab. Id: 200883
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >8mm heraf 1,1g skaller



Total Weight 1216,4 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	28,04	2,31	97,69
8,00	-3,00	116,14	9,55	88,15
4,00	-2,00	257,53	21,17	66,98
2,80	-1,49	125,78	10,34	56,64
2,00	-1,00	142,70	11,73	44,90
1,40	-0,49	178,91	14,71	30,20
1,00	0,00	28,94	2,38	27,82
0,710	0,49	11,64	0,96	26,86
0,500	1,00	18,99	1,56	25,30
0,355	1,49	17,76	1,46	23,84
0,250	2,00	75,10	6,17	17,67
0,180	2,47	100,06	8,23	9,44
0,125	3,00	83,98	6,90	2,54
0,090	3,47	22,43	1,84	0,69
0,075	3,74	2,53	0,21	0,48
0,063	3,99	1,53	0,13	0,36
< 0,063	> 3,99	4,36	0,36	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	0,36
Sand, fine (0,063 mm - 0,200 mm):	11,43
Sand, medium (0,2 mm - 0,6 mm):	14,25
Sand, coarse (0,6 mm - 2 mm):	18,86
Gravel (> 2 mm):	55,10
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	13,74	-3,78
16%	84%	7,22	-2,85
25%	75%	5,52	-2,46
40%	60%	3,19	-1,67
Median 50%	50%	2,35	-1,23
75%	25%	0,47	1,09
84%	16%	0,24	2,08
90%	10%	0,18	2,44
95%	5%	0,14	2,79

Moments Statistics

Mean	-0,67
Sorting	2,23
Skewness	0,28
Kurtosis	0,76
Uniformity Coefficient	17,27

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

Size Classes and Percentiles are found by linear interpolation

Formulas

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

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

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

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

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

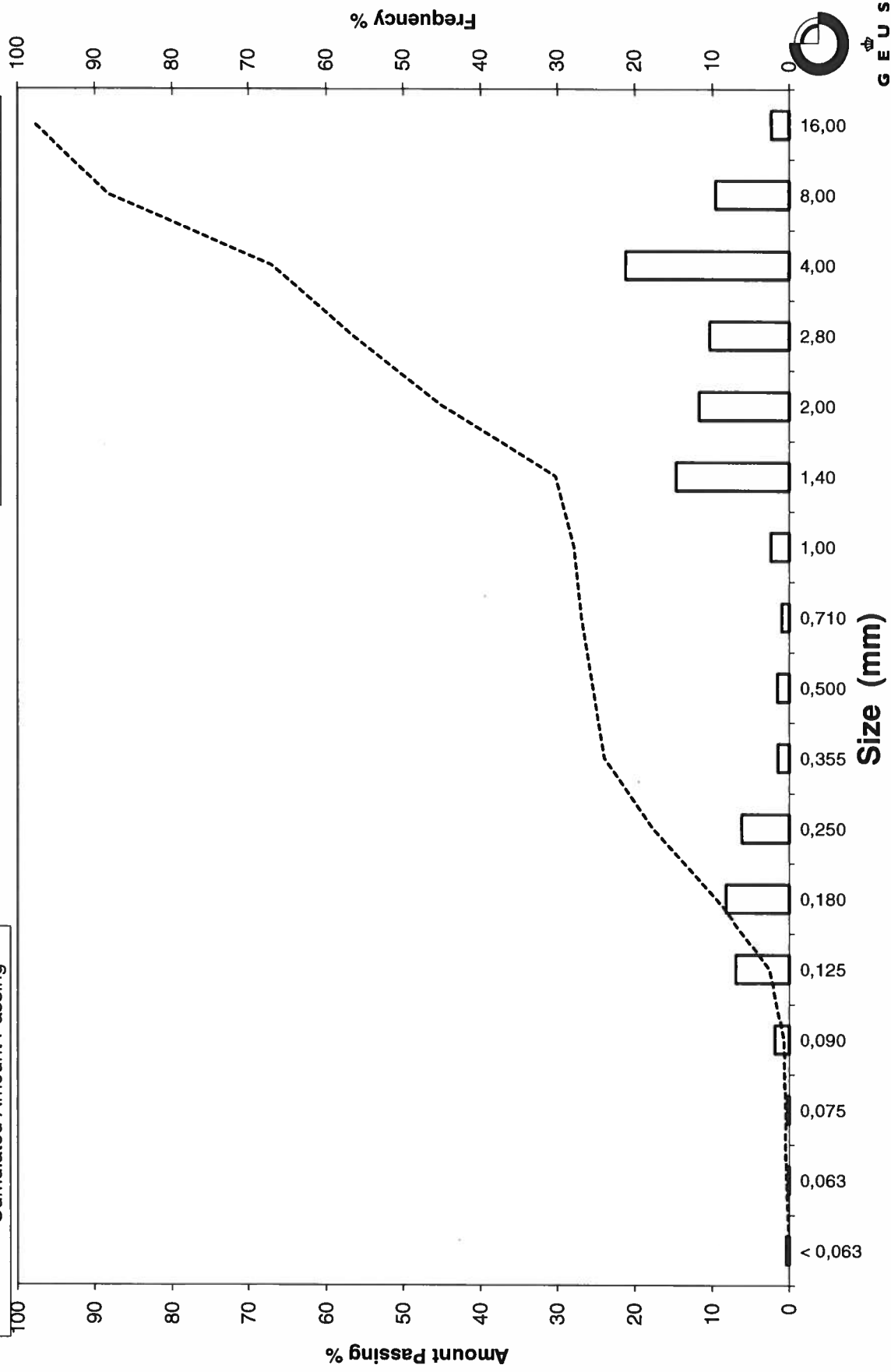
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: VKY 73, 230-320

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: VKY 79, 0-140
Lab. Id: 200884
Projekt: MST Råstofkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2mm heraf 0,3g skaller



Total Weight 100,04 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,03	0,03	99,97
2,80	-1,49	0,10	0,10	99,87
2,00	-1,00	0,17	0,17	99,70
1,40	-0,49	0,33	0,33	99,37
1,00	0,00	3,44	3,44	95,93
0,710	0,49	6,87	6,87	89,06
0,500	1,00	7,29	7,29	81,78
0,355	1,49	7,23	7,23	74,55
0,250	2,00	11,82	11,82	62,73
0,180	2,47	18,91	18,90	43,83
0,125	3,00	28,16	28,15	15,68
0,090	3,47	11,61	11,61	4,08
0,075	3,74	1,48	1,48	2,60
0,063	3,99	0,60	0,60	2,00
< 0,063	> 3,99	2,00	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):	47,23
Sand, medium (0,2 mm - 0,6 mm):	36,01
Sand, coarse (0,6 mm - 2 mm):	14,45
Gravel (> 2 mm):	0,30
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,96	0,06
16%	84%	0,56	0,83
25%	75%	0,36	1,46
40%	60%	0,24	2,06
Median 50%	50%	0,20	2,30
75%	25%	0,14	2,80
84%	16%	0,13	2,99
90%	10%	0,11	3,21
95%	5%	0,09	3,43

Moments Statistics

Mean	2,04
Sorting	1,05
Skewness	-0,35
Kurtosis	1,03
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)

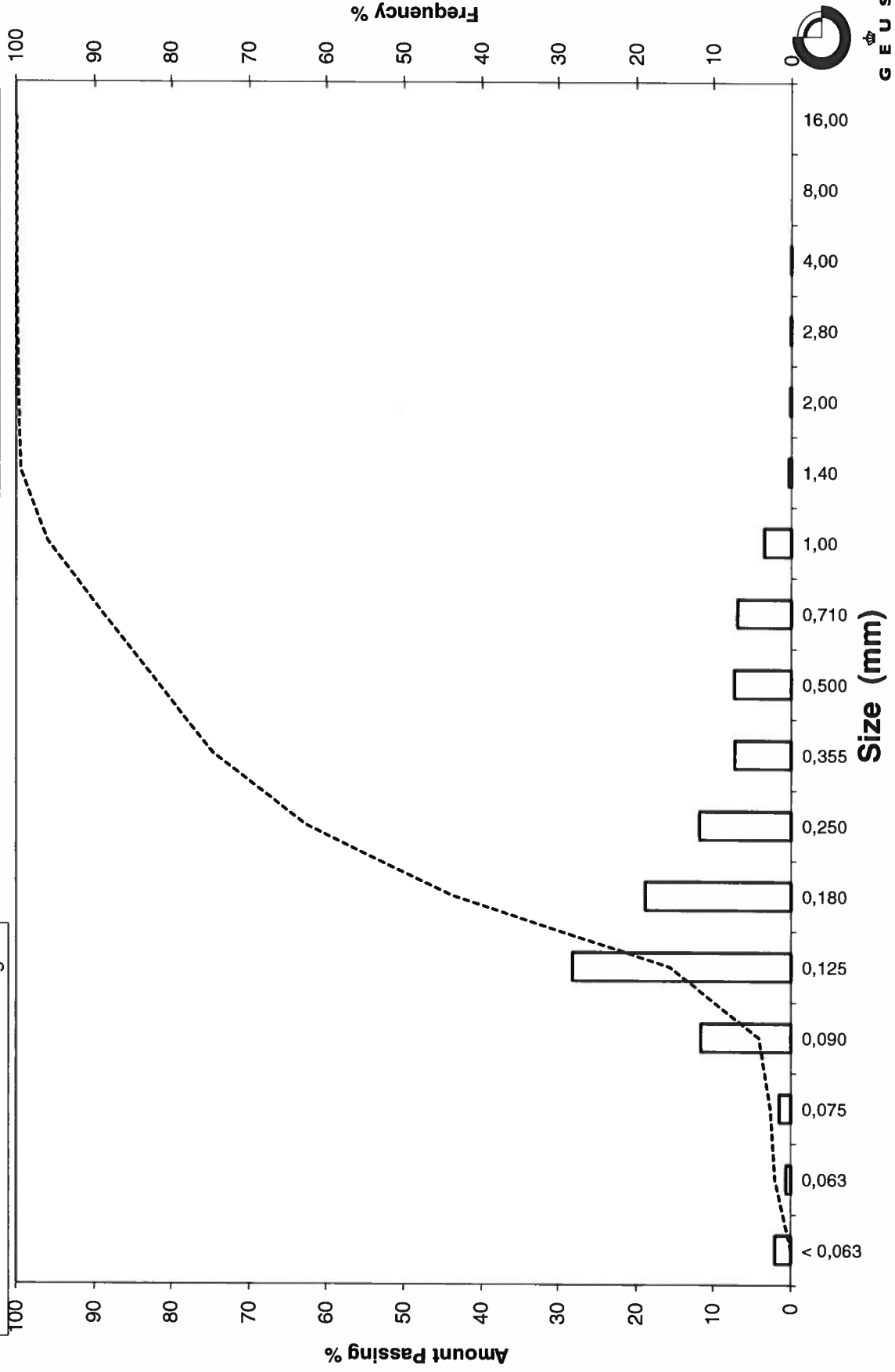
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Grain Size Distribution

Sample Id: VKY 79, 0-140

Frequency Percent
Cumulated Amount Passing



Grain Size Distribution

Geotechnical

Sample Id: VKY 80, 0-180
Lab. Id: 200885
Projekt: MST Råstokortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >8mm består af skaller



Total Weight 98,77 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,73	0,74	99,26
4,00	-2,00	0,00	0,00	99,26
2,80	-1,49	0,06	0,06	99,20
2,00	-1,00	0,02	0,02	99,18
1,40	-0,49	0,13	0,13	99,05
1,00	0,00	0,29	0,29	98,75
0,710	0,49	0,63	0,64	98,12
0,500	1,00	5,18	5,24	92,87
0,355	1,49	9,61	9,73	83,14
0,250	2,00	4,15	4,20	78,94
0,180	2,47	10,88	11,02	67,93
0,125	3,00	39,52	40,01	27,91
0,090	3,47	18,75	18,98	8,93
0,075	3,74	3,71	3,76	5,17
0,063	3,99	1,90	1,92	3,25
< 0,063	> 3,99	3,21	3,25	0,00

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	3,25
Sand, fine (0,063 mm - 0,200 mm):	67,82
Sand, medium (0,2 mm - 0,6 mm):	24,30
Sand, coarse (0,6 mm - 2 mm):	3,81
Gravel (> 2 mm):	0,82
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,59	0,77
16%	84%	0,37	1,44
25%	75%	0,22	2,15
40%	60%	0,17	2,56
Median 50%	50%	0,16	2,69
75%	25%	0,12	3,06
84%	16%	0,10	3,28
90%	10%	0,09	3,44
95%	5%	0,07	3,76

Moments Statistics

Mean	2,47
Sorting	0,91
Skewness	-0,32
Kurtosis	1,34
Uniformity Coefficient	1,84

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

Formulas

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

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

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

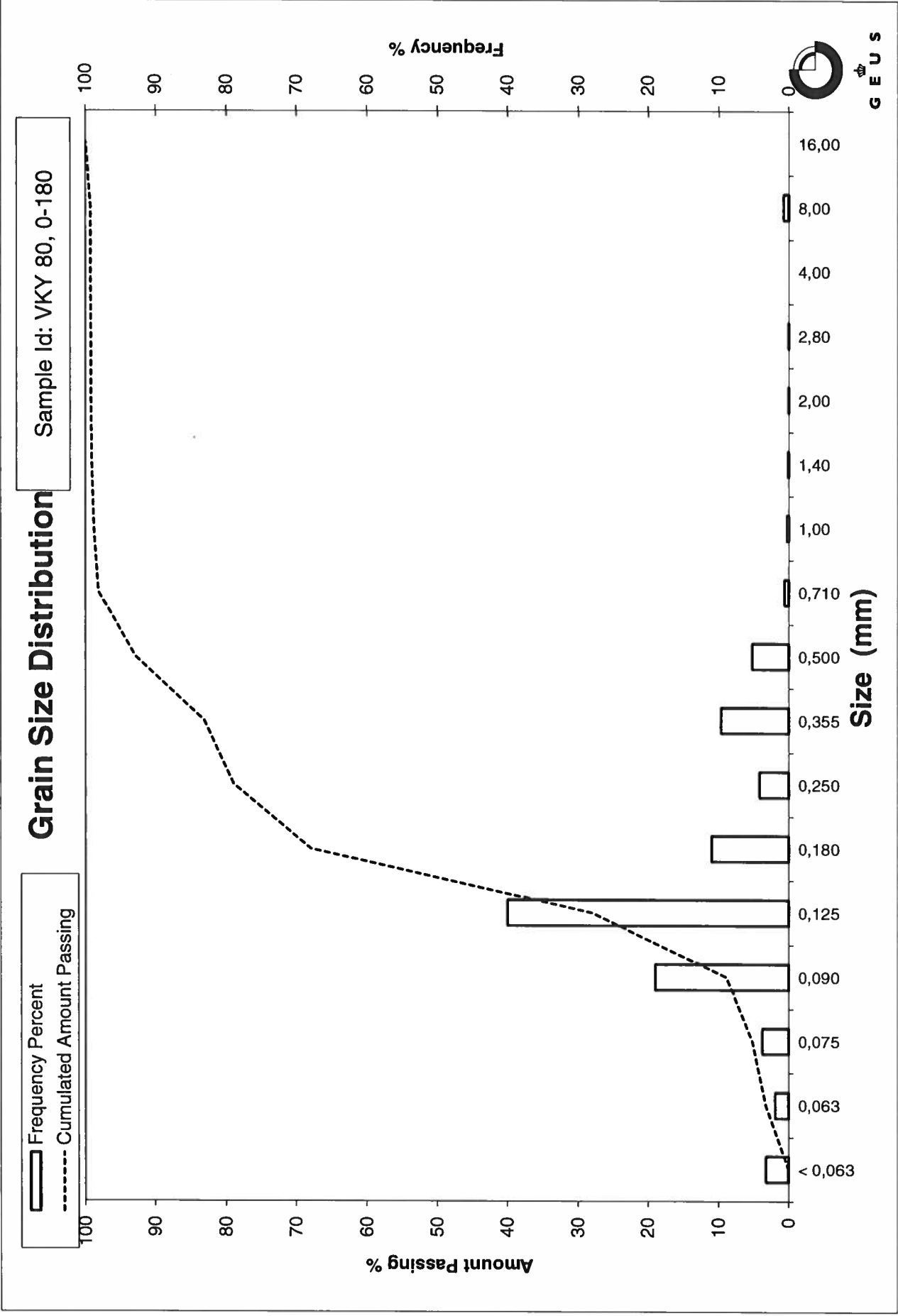
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

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

Size Classes and Percentiles are found by linear interpolation

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Grain Size Distribution

Geotechnical

Sample Id: VKY 84, 0-300
Lab. Id: 200886
Projekt: MST Råstøfkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks: >2,8 heraf 0,4g skaller



Total Weight 103,94 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	0,31	0,30	99,70
4,00	-2,00	0,03	0,03	99,67
2,80	-1,49	0,10	0,10	99,58
2,00	-1,00	0,16	0,15	99,42
1,40	-0,49	0,19	0,18	99,24
1,00	0,00	0,61	0,59	98,65
0,710	0,49	1,14	1,10	97,56
0,500	1,00	3,33	3,20	94,35
0,355	1,49	7,00	6,73	87,62
0,250	2,00	15,73	15,13	72,48
0,180	2,47	26,32	25,32	47,16
0,125	3,00	35,44	34,10	13,07
0,090	3,47	10,51	10,11	2,95
0,075	3,74	0,95	0,91	2,04
0,063	3,99	0,43	0,41	1,63
< 0,063	> 3,99	1,69	1,63	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	1,63
Sand, fine (0,063 mm - 0,200 mm):	52,77
Sand, medium (0,2 mm - 0,6 mm):	41,48
Sand, coarse (0,6 mm - 2 mm):	3,54
Gravel (> 2 mm):	0,58
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%	0,33	1,60
25%	75%	0,27	1,90
40%	60%	0,22	2,21
Median 50%	50%	0,19	2,41
75%	25%	0,14	2,79
84%	16%	0,13	2,95
90%	10%	0,11	3,13
95%	5%	0,10	3,36

Moments Statistics

Mean	2,32
Sorting	0,71
Skewness	-0,22
Kurtosis	1,14
Uniformity Coefficient	1,88

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

Formulas

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

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

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

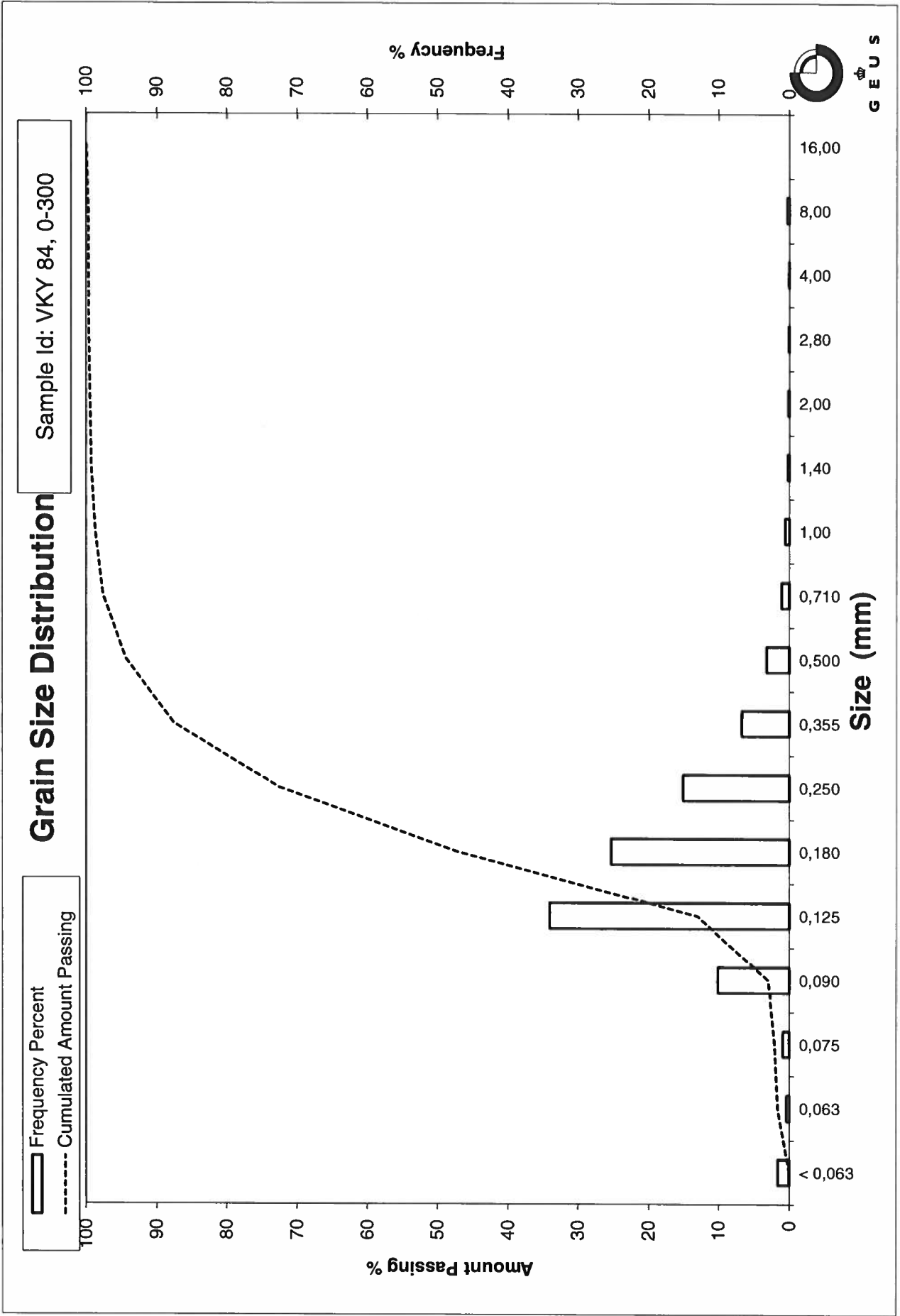
Skewness $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$ (Folk and Ward 1957)

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

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

Size Classes and Percentiles are found by linear interpolation

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Grain Size Distribution

Geotechnical

Sample Id: VKY 106, 70-170
Lab. Id: 200887
Projekt: MST Råstofkortlægning 2020
Subject: 0
Date: januar 2021
Executed: PS
Remarks:



Total Weight 98,77 g

Size Fractions

Size	Size	Weight	Weight	Cumulated amount passing
mm	Φ	g	%	%
16,00	-4,00	0,00	0,00	100,00
8,00	-3,00	0,00	0,00	100,00
4,00	-2,00	0,00	0,00	100,00
2,80	-1,49	0,00	0,00	100,00
2,00	-1,00	0,00	0,00	100,00
1,40	-0,49	0,02	0,02	99,98
1,00	0,00	0,05	0,05	99,93
0,710	0,49	0,08	0,08	99,85
0,500	1,00	0,14	0,14	99,71
0,355	1,49	0,16	0,16	99,54
0,250	2,00	0,51	0,52	99,03
0,180	2,47	7,69	7,79	91,24
0,125	3,00	45,19	45,75	45,49
0,090	3,47	25,04	25,35	20,14
0,075	3,74	7,73	7,83	12,31
0,063	3,99	5,58	5,65	6,66
< 0,063	> 3,99	6,58	6,66	0,00

Sieve Analysis

Gravel

Sand

Size Classes (DGF-Bulletin 1 1988)

	Weight %
Silt and clay (< 0,063 mm):	6,66
Sand, fine (0,063 mm - 0,200 mm):	86,80
Sand, medium (0,2 mm - 0,6 mm):	6,31
Sand, coarse (0,6 mm - 2 mm):	0,23
Gravel (> 2 mm):	0,00
Sum:	100,00

Moments Measures (Folk and Wards)

Percentile	Percentile	d(mm)	Φ
Amount in sieve	Amount passing		
5%	95%	0,21	2,23
16%	84%	0,17	2,55
25%	75%	0,16	2,64
40%	60%	0,14	2,81
Median 50%	50%	0,13	2,94
75%	25%	0,10	3,37
84%	16%	0,08	3,61
90%	10%	0,07	3,83
95%	5%	-----	-----

Moments Statistics

Mean	3,03
Sorting	-----
Skewness	-----
Kurtosis	-----
Uniformity Coefficient	2,03

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

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

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Grain Size Distribution

Sample Id: VKY 106, 70-170

Frequency Percent
Cumulated Amount Passing

