BEFORE THE ENVIRONMENTAL PROTECTION AUTHORITY

AT WELLINGTON

IN THE MATTER	of the Exclusive Economic Zone and Continental Shelf (Environmental Effects) Act 2012
AND	
IN THE MATTER	of a decision-making committee appointed to hear a marine consent application by Trans Tasman Resources to undertake iron ore extraction and processing operations offshore in the South Taranaki Bight

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SUPPLEMENTARY STATEMENT OF EVIDENCE OF DR MICHAEL DEARNALEY ON BEHALF OF TRANS TASMAN RESOURCES LIMITED

28 MARCH 2017

[redacted] ATKINS | HOLM | MAJUREY

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INTRODUCTION

1. My name is Michael Dearnaley.

2. I prepared Expert Evidence dated 15 December 2016 (First Statement) and Rebuttal Evidence dated 9 February 2017 (Rebuttal Statement) with respect to these proceedings on behalf of Trans Tasman Resources Limited.

3. My qualifications and experience as a dredging and sediment transport specialist are set out in paragraphs 2 to 4 of my First Statement.

4. I repeat the confirmation given at paragraph 5 of my First Statement that I have read the Code of Conduct for Expert Witnesses and agree to comply with it.

BACKGROUND

5. On 22nd February 2017 the Decision-making Committee (DMC) issued Minute 29, directing an additional expert conferencing session for the sediment plume modelling experts to focus on establishing appropriate worst case scenario parameters to apply to a re-run of the sediment plume model. The meeting was held on 23rd February 2017, with a joint witness statement being provided on 2nd March[1].

Particle size distribution (PSD)

6. On 9th March 2017 TTR provided all experts with the raw PSD data underpinning the information used in the model. A copy of the memorandum to the experts along with the data is attached as **Appendix 1**.

7. The data was received from two separate independent sources i.e. NIWA and AUT, both of whom undertook separate analysis by laser sizing. It is also important to note that the collection and preparation methodology was also independently verified by Golders Associates.

Modelling

8. The modelling was re-run and the following reports were provided to the DMC and put on the EPA website on 16th March 2017:

   (a) HR Wallingford (2017) Worst case scenario sediment plume modelling; and

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[1] Joint Statement of Experts in the Field of Sediment Plume Modelling – Setting Worst Case Parameters before the Environmental Protection Authority, 23rd February, 2017

(b) MacDonald, H.S. and Hadfield M.G (2017) South Taranaki Bight Sediment Plume Modelling: Worst case scenario.

9. On 22nd March 2017 the DMC directed the sediment plume modelling experts to attend an additional conferencing session to address the materiality of the further modelling information in comparison to the modelling information that had previously been provided. This was to provide a basis for other experts to consider the impacts of the further modelling in their respective areas of expertise.

10. In the time available it was not possible to schedule the expert conference required by the DMC because of availability issues for some of the experts. As a result, the DMC has directed the sediment modelling experts to prepare individual and brief statements addressing the materiality of any changes between the original modelling outputs and the worst case scenario modelling by 29 March 2017.

COMPARISON OF SOURCE TERMS

11. The worst case scenario differs from the original modelling scenario because it has a time varying source term. In the original modelling scenario the time average source term was equivalent to mining operations being continuously undertaken in material with an ultra fines content of 1.6% (<8 microns in size). The worst case scenario increased this to a scenario of mining taking place in material with an average of about 1.8% ultra fines, the maximum allowable by the originally proposed condition 47(e). This average arises from mining operations in a combination of material with 1.6% ultra fines (as for the original case) and material with 2.25% ultra fines, which is the highest ultra fines content that TTR has confirmed that they can operate their equipment at for a period of weeks to one month. The newly proposed Condition 5(d) requires that mining takes place in material with less than 1.8% ultra fines, averaged over a week. The worst case scenario modelled is therefore worse than the worst case allowable under this new proposed condition.

12. The worst case scenario includes that for 20 days every 60 days the mining would be in material with 2.25% ultra fines content rather than the 1.6% ultra fines content previously simulated. This means that for these periods of time the source term was increased by about 60% compared to the original scenario. This is a worse case than that allowable under newly proposed Condition 5(d).

13. A further element of the worst case scenario was that for 20 days out of 180 days the operation simulated the creation of a mound at the start of a mining lane, in combination with mining a material with 2.25% ultra fines content. In my

opinion this combination of factors represents an appropriate worst case. During construction of the mound the maximum release of fines into the plume is simulated, with minimal retention of the two slowest settling classes of fines occurring[2]. This source term, associated with periods of mound construction in the highest ultra fines content material that TTR can mine,), was about 120% of the original source term. This too is conservative given newly proposed Condition 5(d).

14. In addition when mining operations occurred in the mining lane (160 days out of 180 days) with waves of height between 2.5m and 4m the source terms were also increased to between about 100% or 30% of the original source term depending respectively upon whether the material being mined had 2.25% or 1.6% ultra fines content. Again an extended period of mining material with ultra fines content of 2.25% would not be allowable under newly proposed Condition 5(d), and so the worst case analysis is, once again, conservative. Some experts were concerned whether the retention properties of the mining pit were over-estimated during periods of wave activity in particular depending upon the wave period. In my opinion the periods of full release of fines represented by the simulated periods of mound creation included in the worst case model scenario give an upper bound to the source term that could be released by the mining operation.

15. When wave heights were less than 2.5m (about 87% of the time) and operations were taking place in material with 1.6% ultra fines content (67% of the time) the source terms in the worst case modelling scenario are similar (23.2 kg/s compared to 22.9 kg/s) to those used in the original modelling. Accordingly, there will be long periods of the worst case scenario where the results will be similar to those of the original modelling.

16. Overall the source term in the worst case modelling scenario is about 30% greater than that used in the original modelling. Note that this includes extended periods of mining operations in ultra fines content of 2.25% which would not be allowable by newly proposed Condition 5(d).

COMPARISON OF MODEL RESULTS

17. As noted above the worst case modelling scenario includes periods (about 60% of the time on average) where predictions of plume suspended sediment concentrations

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[2] See paragraph 22 of the Joint Statement of Experts and Table 2.2 of MacDonald and Hadfield (2017).

(SSC) and associated deposition will be very similar to those in the original modelling scenario.

18. The differences between the results for the original model scenario and the worst case model scenario are not large and in some cases are indiscernible. The differences are more apparent when considering the extreme statistics rather than the median statistics. This is as expected given the source term distribution described above.

19. To aid in understanding the differences between the worst case model scenario and the original model scenario I requested that time series be presented for locations where concentrations were highest to demonstrate the differences between the worst case and the originally modelled scenario (see Figures 3.2 to 3.5 of MacDonald and Hadfield (2017)). This is a slightly different approach to that envisaged by paragraph 31 of the Joint Statement of Experts however, I do not think the use of colour contour plots would have revealed the full detail of the small differences between the worst case and original modelling scenario. The time series plots allow the detail of the time varying worst case source to be identified. Changes to the actual values of the extreme statistics (maximum) are clear. The effects of operations in the different material types (% ultra fines content) are evident. Overall changes to the median statistics will generally be insignificant because the time series are coincident for much of the simulation period.

20. The time series are shown for more locations in Figures 3.6 to 3.15 of MacDonald and Hadfield (2017). The whole simulation period is shown on one figure and the differences between the original and the worst case model scenario are not generally discernible. For the last two years of the simulated mining activity the maximum, 99th, 95th and median percentile values are shown.

21. Spatial plots of SSC and deposition for the worst case modelling have been presented in MacDonald and Hadfield (2017) so that they can be directly compared with the same form of plots for the original modelling presented in Hadfield and MacDonald (2015)[3]. The differences are most apparent for the 95th percentile plots for SSC and the sedimentation plots. The main difference is that the area of higher sediment plume SSC increases and extends further alongshore. In my opinion the predicted increases in SSC for the original and the worst case modelling scenarios are only likely to be discernible ?within about 3km of the mining activity.

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[3] Hadfield, M.G and MacDonald, H.S (2015) Sediment Plume Modelling, October 2015

The sedimentation plots show small differences in deposition rate the actual rates are still insignificant (less than about 0.5mm) and can only be distinguished from the background levels plotted within a few kilometres (less than 3km) of the mining site (see Figures 3.23 and 3.31 of MacDonald and Hadfield (2017)).

CONCLUSIONS

22. It is my opinion that the worst case scenario that has been considered is an appropriate worst case to consider. Importantly, it is worse than that allowable under newly proposed Condition 5(d) and as such cannot occur in practice.

23. I further note that proposed condition 5 imposes more restrictions on proposed mining operations than does the modelling presented in my primary evidence. As such, the original modelling results represent a conservative upper bound limit of what could actually occur.

24. The results of the worst case modelling scenario, using the parameters as defined in the Joint Statement of Experts, are not materially different to those of the original model outputs.

Dr Michael Dearnaley

28 March 2017

APPENDIX 1

memo

Company name

To: Mike Dearnaley, HR Wallingford

From: Matt Brown and Shawn Thompson, Trans-Tasman Resources Ltd

CC:

Date: 7th March 2017

Re: **Trans-Tasman Resource Ltd Marine Consent Application**

Run of Mine Particle Size Distribution Data – Raw data analysis

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The Decision Making Committee has verbally requested that Trans-Tasman Resources provide the raw data and analysis of the run of mine (ROM) particle size distribution (PSD) used to determine the inputs used in the plume modelling.

Initially TTR characterized the sediment particle size distribution, from samples collected during an early drilling campaign. To provide further confidence, TTR verified the PSD to ensure that the distribution used was accurate, representative and reflective of the insitu sediment (ROM) using data from two separate independent sources.

Enclosed to this memorandum are two spreadsheets showing the raw data provided to TTR from these two separate independent sources i.e. NIWA and AUT, who undertook separate particle size analysis by laser sizing. The NIWA analysed samples were collected using the TTR reserve circulation drill rig, in which the whole sample was collected in buckets to ensure all particles were retained. The methodology underpinning the sample collection and preparation including the integrity of the entire chain of custody has been independently verified by Golders Associates. These samples were homogenized and sent to NIWA for testing using their laser diffraction analysis equipment. The detailed analysis of these samples have been provided.

In addition to this exercise further samples were collected by AUT using a vibracore method for their ecotoxicology assessment and were analysed for their PSD. AUT undertook laser diffraction analysis of these samples and provided the PSD results to TTR. These have been provided as well.

TTR have used the data from both of these sources to undertake a review of the run of mine sediment and the PSD.

In summary, TTR have previously provided this information to HR Wallingford to ensure that the samples used to determine the ROM was representative and tested in an appropriate way for use in the plume modelling.

Raw PSD Data Sth015RC

Undersize_	STH015RC_0-1	STH015RC_1-:	STH015RC_2	STH015RC_3	STH015RC_4-!	STH015RC_5-(	STH015RC_6-(	STH015RC_7-(	STH015RC_8-9_grab_111
2000									
1821.88	0.712068	0	0.0003319	0.0091322	0	0	0	0	0.261836
1659.63	0.914773	0	0.0117847	0.0900372	0	0.00083628	0.00181014	0	0.186341
1511.83	1.15502	0	0.0650636	0.20704	0	0.0111043	0.0163842	0	0.141766
1377.19	1.46529	0.0189509	0.156258	0.334238	0.0171495	0.05373899	0.0524825	0.00152226	0.133188
1254.54	1.92069	0.243212	0.311064	0.563535	0.22413	0.2245925	0.166991	0.0477301	0.175237
1142.81	2.48411	0.638759	0.559573	0.895329	0.582607	0.590621	0.410702	0.265484	0.246915
1041.03	3.06066	0.837701	0.83193	1.27914	0.719799	0.983494	0.681572	0.532652	0.299245
948.322	3.50892	0.941766	1.05094	1.63637	0.737463	1.251225	0.866471	0.57675	0.298869
863.866	3.79406	1.00431	1.2089	1.95507	0.699106	1.382855	0.930206	0.430934	0.263241
786.932	3.99074	1.06324	1.38989	2.30491	0.652902	1.499015	0.942546	0.304625	0.233318
716.849	4.1778	1.27326	1.71116	2.78094	0.740263	1.73183	1.01048	0.337745	0.230072
653.008	4.36736	1.72698	2.27234	3.45052	1.02407	2.12898	1.20732	0.524895	0.259612
594.852	4.51208	2.48989	3.13549	4.32664	1.55867	2.67057	1.58028	0.746704	0.327265
541.876	4.58173	3.5993	4.30414	5.36977	2.40383	3.335625	2.18158	0.916667	0.466204
493.617	4.60463	5.00205	5.7046	6.48459	3.5684	4.133575	3.07136	1.12821	0.748221
449.657	4.65092	6.5704	7.17533	7.52384	5.01665	5.078995	4.27703	1.60549	1.2792
409.611	4.78486	8.07964	8.48514	8.31349	6.60737	6.137265	5.73594	2.58699	2.15318
373.132	5.012	9.25577	9.38621	8.69512	8.10486	7.187635	7.26661	4.1688	3.38371
339.902	5.26009	9.85706	9.68628	8.57318	9.23834	8.03511	8.59682	6.17475	4.8569
309.631	5.40699	9.74752	9.31297	7.94746	9.77817	8.47688	9.44779	8.19855	6.35167
282.056	5.33982	8.95253	8.33965	6.91695	9.62156	8.387245	9.63408	9.7754	7.60293
256.936	5.00722	7.64498	6.95885	5.65092	8.81897	7.767375	9.12594	10.5578	8.38053
234.054	4.43642	6.08479	5.41871	4.33968	7.55	6.74013	8.04988	10.4195	8.55653
213.21	3.7122	4.53577	3.95052	3.1454	6.05982	5.499085	6.6345	9.46371	8.13274
194.222	2.93888	3.19335	2.71531	2.16982	4.58417	4.24337	5.13303	7.95894	7.23006
176.925	2.20845	2.15537	1.78473	1.44754	3.29782	3.127585	3.75638	6.24088	6.04249
161.168	1.57937	1.42434	1.14838	0.9559	2.28542	2.23064	2.62821	4.59945	4.77192
146.815	1.07384	0.940294	0.743643	0.639105	1.54779	1.558355	1.77913	3.20775	3.58418
133.74	0.692822	0.627342	0.49515	0.437769	1.03819	1.07648	1.1791	2.12875	2.58428
121.829	0.428007	0.422995	0.340751	0.306254	0.69764	0.742174	0.775146	1.35668	1.81263
110.979	0.264727	0.289039	0.241557	0.217718	0.477869	0.521953	0.517241	0.855511	1.27028
101.096	0.178892	0.203699	0.176404	0.157779	0.34265	0.3884085	0.36301	0.570481	0.923443
92.0923	0.138504	0.149614	0.131693	0.11612	0.25962	0.3097125	0.272326	0.4234	0.724638
83.8907	0.115989	0.113861	0.0995901	0.086224	0.203702	0.2567565	0.213281	0.337846	0.62442
76.4196	0.0975241	0.0883439	0.0759228	0.0645359	0.161144	0.213826	0.168549	0.272192	0.575926
69.6138	0.0813368	0.0691768	0.0585533	0.0490522	0.127433	0.1776695	0.13296	0.219326	0.549992
63.4141	0.0695194	0.0553251	0.0465318	0.038532	0.102129	0.149476	0.106389	0.182504	0.526097
57.7666	0.0614744	0.0447412	0.0376303	0.0308282	0.0828389	0.127373	0.0863423	0.157691	0.500563
52.622	0.0549274	0.0360199	0.0303128	0.0245977	0.0670878	0.1082485	0.0698632	0.137174	0.477982
47.9356	0.0493379	0.029505	0.0246147	0.0199081	0.0547624	0.09161455	0.0567621	0.119649	0.461245
43.6665	0.0452671	0.0252586	0.0205277	0.0167645	0.0459713	0.07820975	0.0472787	0.107384	0.454107
39.7777	0.0432395	0.0229911	0.0179432	0.0149988	0.0404944	0.06874505	0.0411804	0.101382	0.453921
36.2352	0.0425573	0.0215915	0.0161143	0.0139051	0.0369221	0.06226185	0.036874	0.0986892	0.457668
33.0081	0.041429	0.0196752	0.0140927	0.0126053	0.0332631	0.05642735	0.0321815	0.0937917	0.464253
30.0685	0.0392286	0.0171359	0.0118094	0.0109961	0.0291587	0.0503756	0.0268979	0.0855588	0.469573
27.3906	0.0367438	0.0147169	0.0097462	0.0095046	0.0254051	0.0448378	0.0221473	0.0771345	0.474549
24.9513	0.0350959	0.0132188	0.0084437	0.0086315	0.0229053	0.04084605	0.0190471	0.0717286	0.475763
22.7292	0.0347849	0.0128798	0.0080499	0.0085337	0.0219433	0.0387092	0.0178725	0.0702352	0.472939
20.705	0.0354635	0.0133347	0.008305	0.0089898	0.0220532	0.03785155	0.0180128	0.0711357	0.465948
18.861	0.0365569	0.0141669	0.0089078	0.0097331	0.0227105	0.037546	0.0187973	0.0725264	0.454653
17.1813	0.0374964	0.0150061	0.0095721	0.0105169	0.0234904	0.03719565	0.0196871	0.0729912	0.441025
15.6512	0.0380049	0.0156746	0.0101451	0.0112191	0.0242007	0.0366016	0.0204464	0.0721782	0.424977
14.2573	0.0380836	0.0161722	0.0106036	0.0118231	0.0248212	0.0358481	0.0210697	0.0704531	0.407858
12.9876	0.0378382	0.0165412	0.0109625	0.0123391	0.0253658	0.03511355	0.0216014	0.0683884	0.390373
11.8309	0.0374772	0.0168891	0.0112919	0.0128259	0.0259294	0.03466355	0.022177	0.0667385	0.372794
10.7773	0.0371087	0.0172567	0.0116231	0.0133028	0.0265291	0.03459615	0.0228377	0.0658393	0.357101
9.81748	0.0367733	0.0176451	0.0119605	0.0137636	0.0271424	0.03488855	0.0235695	0.0657379	0.341857
8.94315	0.0363778	0.0179987	0.0122703	0.0141635	0.0276789	0.0353579	0.0242783	0.0660986	0.328493
8.14669	0.0357339	0.0182238	0.0124938	0.0144323	0.0280016	0.03572405	0.0248188	0.0663523	0.314861
7.42117	0.0347539	0.0182707	0.0125979	0.0145339	0.0280436	0.03582115	0.0251134	0.066176	0.301529
6.76025	0.0333791	0.0180993	0.0125537	0.0144415	0.0277594	0.03552415	0.0251039	0.0653226	0.288256
6.1582	0.0316165	0.0177043	0.0123561	0.014156	0.0271539	0.0347985	0.0247841	0.0637294	0.274717
5.60976	0.0295158	0.0170961	0.012009	0.0136891	0.0262543	0.0336622	0.0241708	0.0614445	0.262457
5.11017	0.0271377	0.0162919	0.011522	0.013057	0.0250929	0.0321482	0.0232885	0.0585459	0.249128
4.65506	0.0246142	0.015339	0.0109245	0.0122996	0.0237439	0.0303694	0.022203	0.0552788	0.237811
4.24049	0.0220713	0.0142897	0.0102505	0.0114603	0.0222834	0.0284429	0.0209846	0.0518839	0.225558
3.86284	0.0196252	0.0132002	0.0095392	0.0105871	0.020788	0.0264846	0.019706	0.0485798	0.216357
3.51883	0.017412	0.0121472	0.0088465	0.0097452	0.0193576	0.0246521	0.0184652	0.0456522	0.206519
3.20545	0.0155361	0.0111993	0.0082241	0.0089933	0.0180804	0.0230829	0.0173505	0.0433395	0.199201
2.91998	0.0140525	0.0103947	0.0077001	0.0083637	0.0170025	0.0218493	0.016409	0.0417521	0.19122
2.65993	0.0129683	0.00976168	0.0072991	0.007882	0.0161508	0.0209808	0.01567	0.0408875	0.185412
2.42304	0.0122015	0.00930099	0.0070317	0.0075543	0.0155055	0.02041005	0.0151203	0.0405086	0.17965
2.20725	0.0116223	0.00899107	0.0068928	0.0073672	0.0150112	0.02000445	0.0147113	0.0402359	0.174174
2.01068	0.0110951	0.0087832	0.0068508	0.0072826	0.0145861	0.01960505	0.0143659	0.0396777	0.166782
1.83161	0.0105356	0.00862523	0.0068625	0.0072523	0.0141574	0.0190989	0.0140127	0.0386081	0.157347
1.66849	0.0099369	0.00847836	0.0068864	0.007235	0.0136891	0.01846575	0.0136155	0.0370636	0.146911
1.5199	0.00930239	0.00830453	0.0068804	0.0071891	0.0131473	0.0176934	0.0131393	0.0351083	0.135654
1.38454	0.00857491	0.00804206	0.0067882	0.0070559	0.0124589	0.0166795	0.0125096	0.0326065	0.123945
1.26123	0.00762806	0.00759273	0.0065273	0.0067485	0.0114936	0.0152509	0.011594	0.0291826	0.109808
1.14891	0.0063985	0.00687176	0.0060195	0.0061871	0.0101521	0.0132554	0.0102883	0.0246592	0.093693
1.04659	0.00492963	0.00582281	0.0051998	0.0053112	0.00839215	0.0107055	0.00854406	0.0192015	0.075774
0.953383	0.00335755	0.00444207	0.0040428	0.004103	0.00624891	0.00774048	0.00639027	0.0132761	0.058254
0.868477	0.00183459	0.00272887	0.002525	0.0025483	0.00376073	0.00451719	0.00386048	0.00739031	0.041638
0.791132	0.000550868	0.00089745	0.0008396	0.000844	0.00121973	0.00143047	0.00125512	0.00225426	0.026875
0.720675	3.90E-05	6.7226E-05	6.327E-05	6.342E-05	9.057E-05	0.00010464	9.3298E-05	0.00016098	0.013757
0.656493	0	0	0	0	0	0	0	0	0.004997
0.598027	0	0	0	0	0	0	0	0.00E+00	0.000915
0.544768	0	0	0	0	0	0	0	0	7.01E-05
0.496252	0	0	0	0	0	0	0	0	0
0.452057	0	0	0	0	0	0	0	0	0
0.411798	0	0	0	0	0	0	0	0	0
0.375124	0	0	0	0	0	0	0	0	0
Sum	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Undersize_	STH015RC_	STH015RC_	STH015RC_	STH015RC_	STH015RC_	STH015RC_	STH015RC_	STH015RC_	STH015RC_8-9_grab_111
2000	0	0	0	0	0	0	0	0	0
1821.88	0.712068	0	0.000332	0.009132	0	0	0	0	0.261836
1659.63	0.914773	0	0.011785	0.090037	0	0.000836	0.00181	0	0.186341
1511.83	1.15502	0	0.065064	0.20704	0	0.011104	0.016384	0	0.141766
1377.19	1.46529	0.018951	0.156258	0.334238	0.017149	0.053739	0.052482	0.001522	0.133188
1254.54	1.92069	0.243212	0.311064	0.563535	0.22413	0.224592	0.166991	0.04773	0.175237
1142.81	2.48411	0.638759	0.559573	0.895329	0.582607	0.590621	0.410702	0.265484	0.246915
1041.03	3.06066	0.837701	0.83193	1.27914	0.719799	0.983494	0.681572	0.532652	0.299245
948.322	3.50892	0.941766	1.05094	1.63637	0.737463	1.251225	0.866471	0.57675	0.298869
863.866	3.79406	1.00431	1.2089	1.95507	0.699106	1.382855	0.930206	0.430934	0.263241
786.932	3.99074	1.06324	1.38989	2.30491	0.652902	1.499015	0.942546	0.304625	0.233318
716.849	4.1778	1.27326	1.71116	2.78094	0.740263	1.73183	1.01048	0.337745	0.230072
653.008	4.36736	1.72698	2.27234	3.450521	1.02407	2.12898	1.20732	0.524895	0.259612
594.852	4.51208	2.48989	3.13549	4.326641	1.55867	2.67057	1.58028	0.746704	0.327265
541.876	4.58173	3.599299	4.30414	5.369771	2.40383	3.335625	2.18158	0.916667	0.466204
493.617	4.60463	5.002049	5.7046	6.484591	3.5684	4.133575	3.071359	1.12821	0.748221
449.657	4.65092	6.570399	7.17533	7.523841	5.01665	5.078995	4.277029	1.60549	1.2792
409.611	4.78486	8.079639	8.48514	8.313491	6.60737	6.137264	5.735939	2.58699	2.15318
373.132	5.012	9.255769	9.386211	8.695121	8.10486	7.187634	7.266609	4.1688	3.38371
339.902	5.26009	9.857059	9.686281	8.573181	9.238339	8.035109	8.596818	6.17475	4.856901
309.631	5.40699	9.747519	9.312971	7.947461	9.778169	8.476879	9.447788	8.19855	6.351671
282.056	5.33982	8.952529	8.33965	6.916951	9.621559	8.387244	9.634078	9.7754	7.602931
256.936	5.00722	7.644979	6.95885	5.650921	8.818969	7.767374	9.125938	10.5578	8.380531
234.054	4.43642	6.084789	5.41871	4.339681	7.55	6.740129	8.049878	10.4195	8.556531
213.21	3.7122	4.535769	3.95052	3.145401	6.05982	5.499084	6.634499	9.46371	8.132741
194.222	2.93888	3.19335	2.71531	2.16982	4.58417	4.24337	5.133029	7.95894	7.230061
176.925	2.20845	2.15537	1.78473	1.44754	3.29782	3.127585	3.756379	6.24088	6.042491
161.168	1.57937	1.42434	1.14838	0.9559	2.28542	2.23064	2.62821	4.59945	4.771921
146.815	1.07384	0.940294	0.743643	0.639105	1.54779	1.558355	1.77913	3.20775	3.58418
133.74	0.692822	0.627342	0.49515	0.437769	1.03819	1.07648	1.1791	2.12875	2.58428
121.829	0.428007	0.422995	0.340751	0.306254	0.69764	0.742174	0.775146	1.35668	1.81263
110.979	0.264727	0.289039	0.241557	0.217718	0.477869	0.521953	0.517241	0.855511	1.27028
101.096	0.178892	0.203699	0.176404	0.157779	0.34265	0.388408	0.36301	0.570481	0.923443
92.0923	0.138504	0.149614	0.131693	0.11612	0.25962	0.309712	0.272326	0.4234	0.724638
83.8907	0.115989	0.113861	0.09959	0.086224	0.203702	0.256756	0.213281	0.337846	0.62442
76.4196	0.097524	0.088344	0.075923	0.064536	0.161144	0.213826	0.168549	0.272192	0.575926
69.6138	0.081337	0.069177	0.058553	0.049052	0.127433	0.177669	0.13296	0.219326	0.549992
63.4141	0.069519	0.055325	0.046532	0.038532	0.102129	0.149476	0.106389	0.182504	0.526097
57.7666	0.061474	0.044741	0.03763	0.030828	0.082839	0.127373	0.086342	0.157691	0.500563
52.622	0.054927	0.03602	0.030313	0.024598	0.067088	0.108248	0.069863	0.137174	0.477982
47.9356	0.049338	0.029505	0.024615	0.019908	0.054762	0.091615	0.056762	0.119649	0.461245
43.6665	0.045267	0.025259	0.020528	0.016765	0.045971	0.07821	0.047279	0.107384	0.454107
39.7777	0.043239	0.022991	0.017943	0.014999	0.040494	0.068745	0.04118	0.101382	0.453921
36.2352	0.042557	0.021591	0.016114	0.013905	0.036922	0.062262	0.036874	0.098689	0.457668
33.0081	0.041429	0.019675	0.014093	0.012605	0.033263	0.056427	0.032181	0.093792	0.464253
30.0685	0.039229	0.017136	0.011809	0.010996	0.029159	0.050376	0.026898	0.085559	0.469573
27.3906	0.036744	0.014717	0.009746	0.009505	0.025405	0.044838	0.022147	0.077134	0.474549
24.9513	0.035096	0.013219	0.008444	0.008631	0.022905	0.040846	0.019047	0.071729	0.475763
22.7292	0.034785	0.01288	0.00805	0.008534	0.021943	0.038709	0.017872	0.070235	0.472939
20.705	0.035463	0.013335	0.008305	0.00899	0.022053	0.037852	0.018013	0.071136	0.465948
18.861	0.036557	0.014167	0.008908	0.009733	0.02271	0.037546	0.018797	0.072526	0.454653
17.1813	0.037496	0.015006	0.009572	0.010517	0.02349	0.037196	0.019687	0.072991	0.441025
15.6512	0.038005	0.015675	0.010145	0.011219	0.024201	0.036602	0.020446	0.072178	0.424977
14.2573	0.038084	0.016172	0.010604	0.011823	0.024821	0.035848	0.02107	0.070453	0.407858
12.9876	0.037838	0.016541	0.010963	0.012339	0.025366	0.035114	0.021601	0.068388	0.390373
11.8309	0.037477	0.016889	0.011292	0.012826	0.025929	0.034664	0.022177	0.066738	0.372794
10.7773	0.037109	0.017257	0.011623	0.013303	0.026529	0.034596	0.022838	0.065839	0.357101
9.81748	0.036773	0.017645	0.011961	0.013764	0.027142	0.034889	0.023569	0.065738	0.341857
8.94315	0.036378	0.017999	0.01227	0.014164	0.027679	0.035358	0.024278	0.066099	0.328493
8.14669	0.035734	0.018224	0.012494	0.014432	0.028002	0.035724	0.024819	0.066352	0.314861
7.42117	0.034754	0.018271	0.012598	0.014534	0.028044	0.035821	0.025113	0.066176	0.301529
6.76025	0.033379	0.018099	0.012554	0.014442	0.027759	0.035524	0.025104	0.065323	0.288256
6.1582	0.031616	0.017704	0.012356	0.014156	0.027154	0.034798	0.024784	0.063729	0.274717
5.60976	0.029516	0.017096	0.012009	0.013689	0.026254	0.033662	0.024171	0.061444	0.262457
5.11017	0.027138	0.016292	0.011522	0.013057	0.025093	0.032148	0.023288	0.058546	0.249128
4.65506	0.024614	0.015339	0.010925	0.0123	0.023744	0.030369	0.022203	0.055279	0.237811
4.24049	0.022071	0.01429	0.010251	0.01146	0.022283	0.028443	0.020985	0.051884	0.225558
3.86284	0.019625	0.0132	0.009539	0.010587	0.020788	0.026485	0.019706	0.04858	0.216357
3.51883	0.017412	0.012147	0.008846	0.009745	0.019358	0.024652	0.018465	0.045652	0.206519
3.20545	0.015536	0.011199	0.008224	0.008993	0.01808	0.023083	0.01735	0.043339	0.199201
2.91998	0.014052	0.010395	0.0077	0.008364	0.017002	0.021849	0.016409	0.041752	0.19122
2.65993	0.012968	0.009762	0.007299	0.007882	0.016151	0.020981	0.01567	0.040887	0.185412
2.42304	0.012201	0.009301	0.007032	0.007554	0.015505	0.02041	0.01512	0.040509	0.17965
2.20725	0.011622	0.008991	0.006893	0.007367	0.015011	0.020004	0.014711	0.040236	0.174174
2.01068	0.011095	0.008783	0.006851	0.007283	0.014586	0.019605	0.014366	0.039678	0.166782
1.83161	0.010536	0.008625	0.006862	0.007252	0.014157	0.019099	0.014013	0.038608	0.157347
1.66849	0.009937	0.008478	0.006886	0.007235	0.013689	0.018466	0.013615	0.037064	0.146911
1.5199	0.009302	0.008305	0.00688	0.007189	0.013147	0.017693	0.013139	0.035108	0.135654
1.38454	0.008575	0.008042	0.006788	0.007056	0.012459	0.016688	0.01251	0.032606	0.123945
1.26123	0.007628	0.007593	0.006527	0.006748	0.011494	0.015251	0.011594	0.029183	0.109808
1.14891	0.006398	0.006872	0.00602	0.006187	0.010152	0.013255	0.010288	0.024659	0.093693
1.04659	0.00493	0.005823	0.0052	0.005311	0.008392	0.010705	0.008544	0.019201	0.075774
0.953383	0.003358	0.004442	0.004043	0.004103	0.006249	0.00774	0.00639	0.013276	0.058254
0.868477	0.001835	0.002729	0.002525	0.002548	0.003761	0.004517	0.00386	0.00739	0.041638
0.791132	0.000551	0.000897	0.00084	0.000844	0.00122	0.00143	0.001255	0.002254	0.026875
0.720675	3.9E-05	6.72E-05	6.33E-05	6.34E-05	9.06E-05	0.000105	9.33E-05	0.000161	0.013757
0.656493	0	0	0	0	0	0	0	0	0.004997
0.598027	0	0	0	0	0	0	0	0	0.000915
0.544768	0	0	0	0	0	0	0	0	7.01E-05
0.496252	0	0	0	0	0	0	0	0	0
0.452057	0	0	0	0	0	0	0	0	0
0.411798	0	0	0	0	0	0	0	0	0
0.375124	0	0	0	0	0	0	0	0	0
Sum									

Undersize_	STH015RC_	STH015RC_	STH015RC_	STH015RC_	STH015RC_	STH015RC_	STH015RC_	STH015RC_	STH015RC_8-9_grab_111
2000	100	100	100	100	100	100	100	100	100
1821.88	99.28793	100	99.99967	99.99087	100	100	100	100	99.73816397
1659.63	98.37316	100	99.98788	99.90083	100	99.99916	99.99819	100	99.55182294
1511.83	97.21814	100	99.92282	99.69379	100	99.98806	99.98181	100	99.41005692
1377.19	95.75285	99.98105	99.76656	99.35955	99.98285	99.93432	99.92932	99.99848	99.27686891
1254.54	93.83216	99.73784	99.4555	98.79602	99.75872	99.70973	99.76233	99.95075	99.10163188
1142.81	91.34805	99.09908	98.89592	97.90069	99.17611	99.11911	99.35163	99.68526	98.85471685
1041.03	88.28739	98.26138	98.06399	96.62155	98.45631	98.13561	98.67006	99.15261	98.55547181
948.322	84.77847	97.31961	97.01305	94.98518	97.71885	96.88439	97.80359	98.57586	98.25660278
863.866	80.98441	96.3153	95.80415	93.03011	97.01975	95.50153	96.87338	98.14493	97.99336174
786.932	76.99367	95.25206	94.41426	90.7252	96.36684	94.00252	95.93084	97.8403	97.76004371
716.849	72.81587	93.9788	92.7031	87.94426	95.62658	92.27069	94.92036	97.50256	97.52997168
653.008	68.44851	92.25182	90.43076	84.49374	94.60251	90.14171	93.71304	96.97766	97.27035965
594.852	63.93643	89.76193	87.29527	80.1671	93.04384	87.47114	92.13276	96.23096	96.94309461
541.876	59.3547	86.16263	82.99113	74.79732	90.64001	84.13551	89.95118	95.31429	96.47689055
493.617	54.75007	81.16058	77.28653	68.31273	87.07161	80.00194	86.87982	94.18608	95.72866945
449.657	50.09915	74.59018	70.1112	60.78889	82.05496	74.92295	82.60279	92.58059	94.44946929
409.611	45.31429	66.51055	61.62606	52.4754	75.44759	68.78568	76.86685	89.9936	92.29628901
373.132	40.30229	57.25478	52.23985	43.78028	67.34273	61.59805	69.60024	85.8248	88.91257857
339.902	35.0422	47.39772	42.55357	35.2071	58.10439	53.56294	61.00342	79.65005	84.05567795
309.631	29.63521	37.6502	33.2406	27.25964	48.32622	45.08606	51.55563	71.4515	77.70400713
282.056	24.29539	28.69767	24.90095	20.34269	38.70466	36.69881	41.92156	61.6761	70.10107615
256.936	19.28817	21.05269	17.9421	14.69176	29.88569	28.93144	32.79562	51.1183	61.72054507
234.054	14.85175	14.9679	12.52339	10.35208	22.3357	22.19131	24.74574	40.6988	53.16401397
213.21	11.13955	10.43213	8.57287	7.206684	16.27588	16.69223	18.11124	31.23509	45.03127293
194.222	8.200671	7.238784	5.85756	5.036863	11.69171	12.44886	12.97821	23.27615	37.801212
176.925	5.992221	5.083415	4.072829	3.589323	8.393886	9.321272	9.221832	17.03527	31.75872122
161.168	4.412851	3.659075	2.924449	2.633423	6.108466	7.090632	6.593623	12.43582	26.98680061
146.815	3.339011	2.718781	2.180806	1.994318	4.560676	5.532277	4.814493	9.228073	23.40262014
133.74	2.646189	2.091439	1.685656	1.556549	3.522486	4.455797	3.635393	7.099323	20.81833981
121.829	2.218182	1.668444	1.344905	1.250295	2.824846	3.713623	2.860248	5.742643	19.00570958
110.979	1.953455	1.379405	1.103348	1.032577	2.346977	3.19167	2.343007	4.887132	17.73542942
101.096	1.774563	1.175706	0.926944	0.874798	2.004327	2.803262	1.979997	4.316651	16.8119863
92.0923	1.636059	1.026092	0.795251	0.758677	1.744707	2.493549	1.707671	3.893251	16.0873482
83.8907	1.52007	0.912231	0.695661	0.672453	1.541005	2.236793	1.49439	3.555405	15.46292812
76.4196	1.422546	0.823887	0.619738	0.607918	1.379862	2.022967	1.325841	3.283213	14.88700205
69.6138	1.341209	0.75471	0.561185	0.558865	1.252429	1.845297	1.192881	3.063887	14.33700998
63.4141	1.27169	0.699385	0.514653	0.520333	1.1503	1.695822	1.086492	2.881383	13.81091291
57.7666	1.210215	0.654644	0.477023	0.489505	1.067461	1.568449	1.00015	2.723692	13.31034985
52.622	1.155288	0.618624	0.44671	0.464907	1.000373	1.4602	0.930286	2.586518	12.83236778
47.9356	1.10595	0.589119	0.422095	0.444999	0.94561	1.368585	0.873524	2.466869	12.37112273
43.6665	1.060683	0.563861	0.401568	0.428235	0.899639	1.290376	0.826246	2.359485	11.91701567
39.7777	1.017443	0.54087	0.383625	0.413236	0.859145	1.221631	0.785065	2.258103	11.46309461
36.2352	0.974886	0.519278	0.36751	0.399331	0.822223	1.159369	0.748191	2.159414	11.00542655
33.0081	0.933457	0.499603	0.353418	0.386726	0.78896	1.102942	0.71601	2.065623	10.54117349
30.0685	0.894228	0.482467	0.341608	0.37573	0.759801	1.052566	0.689112	1.980064	10.07160043
27.3906	0.857485	0.46775	0.331862	0.366225	0.734396	1.007728	0.666965	1.902929	9.597051368
24.9513	0.822389	0.454531	0.323418	0.357594	0.71149	0.966882	0.647918	1.831201	9.121288307
22.7292	0.787604	0.441651	0.315368	0.34906	0.689547	0.928173	0.630045	1.760965	8.648349246
20.705	0.75214	0.428317	0.307063	0.34007	0.667494	0.890321	0.612032	1.68983	8.182401186
18.861	0.715583	0.41415	0.298155	0.330337	0.644783	0.852775	0.593235	1.617303	7.727748128
17.1813	0.678087	0.399144	0.288583	0.31982	0.621293	0.81558	0.573548	1.544312	7.286723071
15.6512	0.640082	0.383469	0.278438	0.308601	0.597092	0.778978	0.553101	1.472134	6.861746016
14.2573	0.601999	0.367297	0.267835	0.296778	0.572271	0.74313	0.532032	1.401681	6.453887964
12.9876	0.56416	0.350756	0.256872	0.284439	0.546905	0.708016	0.51043	1.333292	6.063514914
11.8309	0.526683	0.333867	0.24558	0.271613	0.520976	0.673353	0.488253	1.266554	5.690720866
10.7773	0.489574	0.31661	0.233957	0.25831	0.494447	0.638757	0.465416	1.200715	5.33361982
9.81748	0.452801	0.298965	0.221997	0.244546	0.467304	0.603868	0.441846	1.134977	4.991762776
8.94315	0.416423	0.280966	0.209726	0.230383	0.439626	0.56851	0.417568	1.068878	4.663269733
8.14669	0.380689	0.262742	0.197233	0.215951	0.411624	0.532786	0.392749	1.002526	4.348408693
7.42117	0.345936	0.244472	0.184635	0.201417	0.38358	0.496965	0.367636	0.93635	4.046879654
6.76025	0.312556	0.226372	0.172081	0.186975	0.355821	0.461441	0.342532	0.871027	3.758623617
6.1582	0.28094	0.208668	0.159725	0.172819	0.328667	0.426642	0.317748	0.807298	3.483906582
5.60976	0.251424	0.191572	0.147716	0.15913	0.302413	0.39298	0.293577	0.745853	3.221449548
5.11017	0.224286	0.17528	0.136194	0.146073	0.27732	0.360832	0.270288	0.687307	2.972321516
4.65506	0.199672	0.159941	0.125269	0.133773	0.253576	0.330463	0.248085	0.632029	2.734510485
4.24049	0.177601	0.145651	0.115019	0.122313	0.231293	0.30202	0.227101	0.580145	2.508952456
3.86284	0.157976	0.132451	0.10548	0.111726	0.210505	0.275535	0.207395	0.531565	2.292595428
3.51883	0.140564	0.120304	0.096633	0.101981	0.191147	0.250883	0.18893	0.485913	2.086076402
3.20545	0.125028	0.109105	0.088409	0.092988	0.173067	0.2278	0.171579	0.442573	1.886875376
2.91998	0.110975	0.09871	0.080709	0.084624	0.156064	0.205951	0.15517	0.400821	1.695655352
2.65993	0.098007	0.088948	0.07341	0.076742	0.139913	0.18497	0.1395	0.359934	1.510243328
2.42304	0.085805	0.079647	0.066378	0.069187	0.124408	0.16456	0.12438	0.319425	1.330593305
2.20725	0.074183	0.070656	0.059485	0.06182	0.109397	0.144556	0.109669	0.279189	1.156419282
2.01068	0.063088	0.061873	0.052635	0.054538	0.09481	0.124951	0.095303	0.239511	0.989637261
1.83161	0.052552	0.053248	0.045772	0.047285	0.080653	0.105852	0.08129	0.200903	0.83229024
1.66849	0.042615	0.04477	0.038886	0.04005	0.066964	0.087386	0.067674	0.16384	0.685379222
1.5199	0.033313	0.036465	0.032005	0.032861	0.053817	0.069693	0.054535	0.128731	0.549725204
1.38454	0.024738	0.028423	0.025217	0.025805	0.041358	0.053005	0.042026	0.096125	0.425780188
1.26123	0.01711	0.02083	0.01869	0.019057	0.029864	0.037754	0.030432	0.066942	0.315972174
1.14891	0.010712	0.013958	0.01267	0.01287	0.019712	0.024498	0.020143	0.042283	0.222278862
1.04659	0.005782	0.008136	0.007471	0.007559	0.01132	0.013793	0.011599	0.023082	0.146505152
0.953383	0.002424	0.003694	0.003428	0.003456	0.005071	0.006052	0.005209	0.009806	0.088251345
0.868477	0.00059	0.000965	0.000903	0.000907	0.00131	0.001535	0.001348	0.002415	0.046613639
0.791132	3.9E-05	6.72E-05	6.33E-05	6.34E-05	9.06E-05	0.000105	9.33E-05	0.000161	0.019738336
0.720675	-2.2E-14	-9E-15	4.33E-14	4.66E-14	6.19E-14	4.28E-16	-6.2E-14	-1.6E-14	0.005981434
0.656493	-2.2E-14	-9E-15	4.33E-14	4.66E-14	6.19E-14	4.28E-16	-6.2E-14	-1.6E-14	0.000984894
0.598027	-2.2E-14	-9E-15	4.33E-14	4.66E-14	6.19E-14	4.28E-16	-6.2E-14	-1.6E-14	7.01024E-05
0.544768	-2.2E-14	-9E-15	4.33E-14	4.66E-14	6.19E-14	4.28E-16	-6.2E-14	-1.6E-14	-4.7414E-14
0.496252	-2.2E-14	-9E-15	4.33E-14	4.66E-14	6.19E-14	4.28E-16	-6.2E-14	-1.6E-14	-4.7414E-14
0.452057	-2.2E-14	-9E-15	4.33E-14	4.66E-14	6.19E-14	4.28E-16	-6.2E-14	-1.6E-14	-4.7414E-14
0.411798	-2.2E-14	-9E-15	4.33E-14	4.66E-14	6.19E-14	4.28E-16	-6.2E-14	-1.6E-14	-4.7414E-14
0.375124	-2.2E-14	-9E-15	4.33E-14	4.66E-14	6.19E-14	4.28E-16	-6.2E-14	-1.6E-14	-4.7414E-14
Sum									

Undersize_	Coarsest Sample	Averaged Sample	Finest Sample
2000	100.00	100.00	100.00
1821.88	99.29	99.89	100.00
1659.63	98.37	99.76	100.00
1511.83	97.22	99.58	100.00
1377.19	95.75	99.33	100.00
1254.54	93.83	98.90	99.95
1142.81	91.35	98.16	99.69
1041.03	88.29	97.13	99.15
948.322	84.78	95.93	98.58
863.866	80.98	94.63	98.14
786.932	76.99	93.25	97.84
716.849	72.82	91.70	97.53
653.008	68.45	89.81	97.27
594.852	63.94	87.44	96.94
541.876	59.35	84.42	96.48
493.617	54.75	80.60	95.73
449.657	50.10	75.80	94.45
409.611	45.31	69.92	92.30
373.132	40.30	62.98	88.91
339.902	35.04	55.18	84.06
309.631	27.26	46.88	77.70
282.056	20.34	38.59	70.10
256.936	14.69	30.83	61.72
234.054	10.35	23.98	53.16
213.21	7.21	18.30	45.03
194.222	5.04	13.84	37.80
176.925	3.59	10.50	31.76
161.168	2.63	8.09	26.99
146.815	1.99	6.42	23.40
133.74	1.56	5.28	20.82
121.829	1.25	4.51	19.01
110.979	1.03	4.00	17.74
101.096	0.87	3.63	16.81
92.0923	0.76	3.35	16.09
83.8907	0.67	3.12	15.46
76.4196	0.61	2.93	14.89
69.6138	0.56	2.77	14.34
63.4141	0.51	2.63	13.81
57.7666	0.48	2.50	13.31
52.622	0.45	2.39	12.83
47.9356	0.42	2.29	12.37
43.6665	0.40	2.19	11.92
39.7777	0.38	2.10	11.46
36.2352	0.37	2.02	11.01
33.0081	0.35	1.93	10.54
30.0685	0.34	1.85	10.07
27.3906	0.33	1.77	9.60
24.9513	0.32	1.69	9.12
22.7292	0.32	1.62	8.65
20.705	0.31	1.54	8.18
18.861	0.30	1.47	7.73
17.1813	0.29	1.39	7.29
15.6512	0.28	1.32	6.86
14.2573	0.27	1.25	6.45
12.9876	0.26	1.18	6.06
11.8309	0.25	1.11	5.69
10.7773	0.23	1.05	5.33
9.81748	0.22	0.98	4.99
8.94315	0.21	0.92	4.66
8.14669	0.20	0.86	4.35
7.42117	0.18	0.80	4.05
6.76025	0.17	0.74	3.76
6.1582	0.16	0.69	3.48
5.60976	0.15	0.63	3.22
5.11017	0.14	0.58	2.97
4.65506	0.13	0.54	2.73
4.24049	0.12	0.49	2.51
3.86284	0.11	0.45	2.29
3.51883	0.10	0.41	2.09
3.20545	0.09	0.37	1.89
2.91998	0.08	0.33	1.70
2.65993	0.07	0.30	1.51
2.42304	0.07	0.26	1.33
2.20725	0.06	0.23	1.16
2.01068	0.05	0.20	0.99
1.83161	0.05	0.17	0.83
1.66849	0.04	0.14	0.69
1.5199	0.03	0.11	0.55
1.38454	0.02	0.08	0.43
1.26123	0.02	0.06	0.32
1.14891	0.01	0.04	0.22
1.04659	0.01	0.03	0.15
0.953383	0.00	0.01	0.09
0.868477	0.00	0.01	0.05
0.791132	0.00	0.00	0.02
0.720675	0.00	0.00	0.01
0.656493	0.00	0.00	0.00
0.598027	0.00	0.00	0.00
0.544768	0.00	0.00	0.00
0.496252	0.00	0.00	0.00
0.452057	0.00	0.00	0.00
0.411798	0.00	0.00	0.00
0.375124	0.00	0.00	0.00
Sum			

	Coarsest Sample	Averaged Sample	Finest Sample
2000	100.00	100.00	100.00
1000	86.82	96.63	98.89
710	72.37	91.52	97.50
500	55.39	81.18	95.86
355	37.76	58.90	86.51
250	13.28	28.71	59.20
212	7.05	17.99	44.56
150	2.12	6.75	24.13
125	1.32	4.70	19.44
106	0.95	3.80	17.25
90	0.74	3.29	15.93
63	0.51	2.62	13.77
45	0.41	2.22	12.06
38	0.38	2.06	11.24
31	0.35	1.88	10.23
16	0.28	1.34	6.96
8	0.19	0.85	4.29
4	0.11	0.46	2.37
2	0.05	0.20	0.98

		Averaged Sample
10000		100%
2000		99.56
1000		96.20
710		91.12
500		80.82
355		58.64
250		28.58
212		17.91
150		6.72
125		4.67
106		3.79
90		3.27
63		2.60
45		2.21
38		2.05
31		1.87
16		1.33
8		0.85
4		0.46
2		0.19

Size	Sth015 0-9m % passing	Sth015 0-8m % passing
10000	100.00	100.00
2000	99.56	99.56
1000	96.20	95.98
710	91.12	90.38
500	80.82	79.00
355	58.64	55.21
250	28.58	24.79
212	17.91	14.61
150	6.72	4.56
125	4.67	2.84
106	3.79	2.11
90	3.27	1.70
63	2.60	1.22
45	2.21	0.99
38	2.05	0.91
31	1.87	0.83
16	1.33	0.63
8	0.85	0.42
4	0.46	0.22
2	0.19	0.10

Raw PSD Data Sth016RC

Undersize_%	STH016RC_	STH016RC_	STH016RC_	STH016RC_	STH016RC_4-5_grab_
2000					
1821.88	0.066583	0.866511	0.017372	0.002351	0.119147
1659.63	0.099665	0.881913	0.046075	0.02365	0.167588
1511.83	0.125173	0.853506	0.064256	0.049712	0.169498
1377.19	0.158553	0.826547	0.07815	0.069305	0.172509
1254.54	0.249846	0.852907	0.129369	0.123182	0.252229
1142.81	0.400204	0.939317	0.225471	0.223612	0.423681
1041.03	0.531908	1.03147	0.322768	0.328338	0.6354
948.322	0.56309	1.06029	0.368533	0.390301	0.789488
863.866	0.512175	1.02245	0.360403	0.415753	0.872373
786.932	0.463802	0.96545	0.356417	0.451622	0.959357
716.849	0.472245	0.942965	0.390934	0.524702	1.13569
653.008	0.513944	0.96823	0.426757	0.591094	1.41544
594.852	0.529285	1.04017	0.401266	0.557868	1.74625
541.876	0.525365	1.205	0.189564	0.374214	2.09714
493.617	0.626419	1.57444	0.017713	0.122492	2.51412
449.657	1.04263	2.29749	0	0.056879	3.1098
409.611	2.02198	3.48414	0.051677	0.356524	4.00137
373.132	3.68823	5.10389	0.789057	1.52996	5.22693
339.902	5.89505	6.93758	2.89195	3.56741	6.68109
309.631	8.25098	8.62243	5.75937	6.20388	8.11379
282.056	10.249	9.7735	8.85091	8.93902	9.20595
256.936	11.4357	10.1153	11.4872	11.1751	9.68083
234.054	11.556	9.57171	12.9978	12.4039	9.39866
213.21	10.6228	8.28322	13.0693	12.3653	8.40146
194.222	8.89704	6.55135	11.7604	11.1235	6.89684
176.925	6.78867	4.73541	9.49774	9.03935	5.18833
161.168	4.7147	3.13709	6.89096	6.63075	3.57423
146.815	2.97762	1.92333	4.4907	4.38744	2.26041
133.74	1.71594	1.11854	2.64481	2.62918	1.32794
121.829	0.9238	0.648908	1.44306	1.46068	0.751967
110.979	0.503887	0.406158	0.788092	0.808998	0.446756
101.096	0.323465	0.293069	0.495267	0.50924	0.310436
92.0923	0.260825	0.237759	0.382472	0.390108	0.254004
83.8907	0.231899	0.196754	0.323311	0.326607	0.216841
76.4196	0.197579	0.154412	0.260555	0.261137	0.174218
69.6138	0.156314	0.114159	0.193089	0.191455	0.129732
63.4141	0.120641	0.084227	0.138149	0.133888	0.094668
57.7666	0.095737	0.065514	0.10133	0.094707	0.071559
52.622	0.079232	0.054352	0.077862	0.069727	0.056764
47.9356	0.069436	0.048174	0.064778	0.056035	0.047977
43.6665	0.064637	0.044907	0.059576	0.050851	0.043512
39.7777	0.062911	0.043212	0.059037	0.050492	0.041816
36.2352	0.061507	0.041559	0.058517	0.050093	0.040532
33.0081	0.057421	0.038293	0.053174	0.044868	0.037029
30.0685	0.051138	0.033853	0.043891	0.035742	0.031666
27.3906	0.045098	0.029832	0.034666	0.026766	0.026578
24.9513	0.041417	0.027594	0.028841	0.021235	0.023575
22.7292	0.040733	0.027541	0.027441	0.020053	0.023174
20.705	0.042017	0.028992	0.029113	0.021907	0.024519
18.861	0.044052	0.031069	0.032231	0.025262	0.026559
17.1813	0.045801	0.033009	0.035324	0.028718	0.028428
15.6512	0.046734	0.034377	0.03756	0.031457	0.029673
14.2573	0.046824	0.035108	0.038799	0.033322	0.030267
12.9876	0.046194	0.035265	0.039095	0.034327	0.030308
11.8309	0.04514	0.035032	0.038757	0.034738	0.030025
10.7773	0.043863	0.034543	0.037993	0.034722	0.029565
9.81748	0.042498	0.033883	0.036972	0.034417	0.029015
8.94315	0.041067	0.03307	0.035751	0.033857	0.028375
8.14669	0.0395	0.032051	0.034303	0.032998	0.027573
7.42117	0.037771	0.030821	0.032646	0.031848	0.026585
6.76025	0.035855	0.029372	0.030781	0.030412	0.025388
6.1582	0.03376	0.027723	0.028743	0.028728	0.023997
5.60976	0.031518	0.025908	0.026577	0.026847	0.022439
5.11017	0.02917	0.023966	0.024342	0.024829	0.020756
4.65506	0.026796	0.021971	0.02213	0.022769	0.019023
4.24049	0.024472	0.019994	0.020025	0.020756	0.01731
3.86284	0.022268	0.018102	0.018104	0.01887	0.015686
3.51883	0.020261	0.016371	0.01645	0.017201	0.014231
3.20545	0.018515	0.014866	0.015127	0.015819	0.013008
2.91998	0.017054	0.013614	0.014155	0.014751	0.012045
2.65993	0.01588	0.012624	0.013522	0.013994	0.011348
2.42304	0.014943	0.011866	0.013177	0.013506	0.010884
2.20725	0.014162	0.011283	0.013031	0.013205	0.010594
2.01068	0.013445	0.010803	0.012975	0.012991	0.010398
1.83161	0.012727	0.01036	0.012911	0.012775	0.010224
1.66849	0.01199	0.009924	0.012793	0.012519	0.010032
1.5199	0.011221	0.009462	0.012578	0.012186	0.009787
1.38454	0.010367	0.008916	0.012177	0.011696	0.009419
1.26123	0.009316	0.008187	0.01144	0.010906	0.008813
1.14891	0.007998	0.007199	0.010246	0.009706	0.007878
1.04659	0.00641	0.005924	0.008554	0.008058	0.006574
0.953383	0.004617	0.004391	0.006406	0.006005	0.00493
0.868477	0.002694	0.002631	0.003866	0.00361	0.00298
0.791132	0.000855	0.000851	0.001253	0.001167	0.000968
0.720675	6.25E-05	6.31E-05	9.25E-05	8.6E-05	7.18E-05
0.656493	0	0	0	0	0
0.598027	0	0	0	0	0
0.544768	0	0	0	0	0
0.496252	0	0	0	0	0
0.452057	0	0	0	0	0
0.411798	0	0	0	0	0
0.375124	0	0	0	0	0
%<10 micron	0.5	0.4	0.5	0.5	0.4
%silt	1.1	0.8	0.9	0.8	0.7
%sand	98.4	98.8	98.6	98.7	98.9
TOTAL	100.0001	100	100	100	100

Undersize_%	STH016RC_	STH016RC_	STH016RC_	STH016RC_	STH016RC_4-5_grab_
2000	100	100	100	100	100
1821.88	99.93342	99.13349	99.98263	99.99765	99.88085
1659.63	99.83375	98.25158	99.93655	99.974	99.71327
1511.83	99.70858	97.39807	99.8723	99.92429	99.54377
1377.19	99.55003	96.57152	99.79415	99.85498	99.37126
1254.54	99.30018	95.71862	99.66478	99.7318	99.11903
1142.81	98.89998	94.7793	99.43931	99.50819	98.69535
1041.03	98.36807	93.74783	99.11654	99.17985	98.05995
948.322	97.80498	92.68754	98.74801	98.78955	97.27046
863.866	97.2928	91.66509	98.3876	98.3738	96.39809
786.932	96.829	90.69964	98.03119	97.92217	95.43873
716.849	96.35676	89.75667	97.64025	97.39747	94.30304
653.008	95.84281	88.78844	97.2135	96.80638	92.8876
594.852	95.31353	87.74827	96.81223	96.24851	91.14135
541.876	94.78816	86.54327	96.62267	95.8743	89.04421
493.617	94.16174	84.96883	96.60495	95.7518	86.53009
449.657	93.11911	82.67134	96.60495	95.69492	83.42029
409.611	91.09713	79.1872	96.55328	95.3384	79.41892
373.132	87.4089	74.08331	95.76422	93.80844	74.19199
339.902	81.51385	67.14573	92.87227	90.24103	67.5109
309.631	73.26287	58.5233	87.1129	84.03715	59.39711
282.056	63.01387	48.7498	78.26199	75.09813	50.19116
256.936	51.57817	38.6345	66.77479	63.92303	40.51033
234.054	40.02217	29.06279	53.77699	51.51913	31.11167
213.21	29.39937	20.77957	40.70769	39.15383	22.71021
194.222	20.50233	14.22822	28.94729	28.03033	15.81337
176.925	13.71366	9.492814	19.44955	18.99098	10.62504
161.168	8.998963	6.355724	12.55859	12.36023	7.05081
146.815	6.021343	4.432394	8.067889	7.972791	4.7904
133.74	4.305403	3.313854	5.423079	5.343611	3.46246
121.829	3.381603	2.664946	3.980019	3.882931	2.710493
110.979	2.877716	2.258788	3.191927	3.073933	2.263737
101.096	2.554251	1.965719	2.69666	2.564693	1.953301
92.0923	2.293426	1.72796	2.314188	2.174585	1.699297
83.8907	2.061527	1.531206	1.990877	1.847978	1.482456
76.4196	1.863948	1.376794	1.730322	1.586841	1.308238
69.6138	1.707634	1.262635	1.537233	1.395386	1.178506
63.4141	1.586993	1.178408	1.399084	1.261498	1.083838
57.7666	1.491257	1.112894	1.297754	1.166791	1.01228
52.622	1.412024	1.058541	1.219892	1.097064	0.955515
47.9356	1.342588	1.010367	1.155114	1.04103	0.907539
43.6665	1.277951	0.96546	1.095538	0.990179	0.864027
39.7777	1.21504	0.922249	1.036501	0.939687	0.822211
36.2352	1.153533	0.88069	0.977985	0.889594	0.781679
33.0081	1.096112	0.842397	0.924811	0.844726	0.74465
30.0685	1.044974	0.808544	0.88092	0.808984	0.712984
27.3906	0.999876	0.778712	0.846254	0.782218	0.686406
24.9513	0.958459	0.751118	0.817414	0.760983	0.662831
22.7292	0.917726	0.723578	0.789973	0.740929	0.639657
20.705	0.875709	0.694586	0.76086	0.719022	0.615138
18.861	0.831656	0.663516	0.728629	0.69376	0.588579
17.1813	0.785855	0.630507	0.693305	0.665043	0.560151
15.6512	0.739121	0.59613	0.655745	0.633585	0.530478
14.2573	0.692297	0.561022	0.616947	0.600264	0.500211
12.9876	0.646103	0.525757	0.577851	0.565936	0.469903
11.8309	0.600963	0.490725	0.539094	0.531199	0.439878
10.7773	0.5571	0.456182	0.501101	0.496477	0.410313
9.81748	0.514602	0.422298	0.464129	0.46206	0.381298
8.94315	0.473534	0.389229	0.428378	0.428203	0.352923
8.14669	0.434035	0.357178	0.394075	0.395206	0.32535
7.42117	0.396263	0.326357	0.361429	0.363357	0.298765
6.76025	0.360409	0.296985	0.330649	0.332946	0.273377
6.1582	0.326648	0.269262	0.301906	0.304218	0.24938
5.60976	0.295131	0.243354	0.275329	0.277372	0.226941
5.11017	0.265961	0.219389	0.250987	0.252543	0.206185
4.65506	0.239165	0.197417	0.228858	0.229775	0.187162
4.24049	0.214692	0.177423	0.208833	0.209019	0.169853
3.86284	0.192424	0.159322	0.190728	0.190149	0.154167
3.51883	0.172163	0.14295	0.174278	0.172948	0.139936
3.20545	0.153649	0.128085	0.159151	0.157128	0.126929
2.91998	0.136594	0.114471	0.144996	0.142377	0.114883
2.65993	0.120714	0.101847	0.131475	0.128383	0.103536
2.42304	0.105772	0.089981	0.118298	0.114877	0.092652
2.20725	0.09161	0.078697	0.105267	0.101672	0.082058
2.01068	0.078165	0.067895	0.092292	0.088682	0.07166
1.83161	0.065439	0.057535	0.07938	0.075907	0.061436
1.66849	0.053449	0.047611	0.066587	0.063388	0.051403
1.5199	0.042228	0.038149	0.05401	0.051202	0.041616
1.38454	0.031861	0.029233	0.041833	0.039506	0.032198
1.26123	0.022545	0.021046	0.030393	0.0286	0.023385
1.14891	0.014546	0.013846	0.020147	0.018895	0.015507
1.04659	0.008137	0.007922	0.011593	0.010837	0.008933
0.953383	0.00352	0.003531	0.005187	0.004832	0.004003
0.868477	0.000825	0.0009	0.001321	0.001222	0.001023
0.791132	-2.9E-05	4.94E-05	6.78E-05	5.47E-05	5.48E-05
0.720675	-9.2E-05	-1.4E-05	-2.5E-05	-3.1E-05	-1.7E-05
0.656493	-9.2E-05	-1.4E-05	-2.5E-05	-3.1E-05	-1.7E-05
0.598027	-9.2E-05	-1.4E-05	-2.5E-05	-3.1E-05	-1.7E-05
0.544768	-9.2E-05	-1.4E-05	-2.5E-05	-3.1E-05	-1.7E-05
0.496252	-9.2E-05	-1.4E-05	-2.5E-05	-3.1E-05	-1.7E-05
0.452057	-9.2E-05	-1.4E-05	-2.5E-05	-3.1E-05	-1.7E-05
0.411798	-9.2E-05	-1.4E-05	-2.5E-05	-3.1E-05	-1.7E-05
0.375124	-9.2E-05	-1.4E-05	-2.5E-05	-3.1E-05	-1.7E-05
%<10 micron					
%silt					
%sand					
TOTAL					

Undersize_%	Coarsest Sample	Averaged Sample	Finest Sample
2000	100	100	100
1821.88	99.133489	99.78561	99.99765
1659.63	98.251576	99.54183	99.974
1511.83	97.39807	99.2894	99.92429
1377.19	96.571523	99.02839	99.85498
1254.54	95.718616	98.70688	99.7318
1142.81	94.779299	98.26442	99.50819
1041.03	93.747829	97.69445	99.17985
948.322	92.687539	97.06011	98.78955
863.866	91.665089	96.42348	98.3876
786.932	90.699639	95.78415	98.03119
716.849	89.756674	95.09084	97.64025
653.008	88.788444	94.30775	97.2135
594.852	87.748274	93.45278	96.81223
541.876	86.543274	92.57452	96.62267
493.617	84.968834	91.60348	96.60495
449.657	82.671344	90.30212	96.60495
409.611	79.187204	88.31899	96.55328
373.132	74.083314	85.05137	95.76422
339.902	67.145734	79.85676	92.87227
309.631	58.523304	72.46667	87.1129
282.056	48.749804	63.06299	78.26199
256.936	38.634504	52.28417	66.77479
234.054	29.062794	41.09855	53.77699
213.21	20.779574	30.55014	40.70769
194.222	14.228224	21.50431	28.94729
176.925	9.492814	14.45441	19.44955
161.168	6.355724	9.464863	12.55859
146.815	4.432394	6.256963	8.067889
133.74	3.313854	4.369681	5.423079
121.829	2.664946	3.323998	3.980019
110.979	2.258788	2.73322	3.191927
101.096	1.953301	2.346925	2.69666
92.0923	1.699297	2.041891	2.314188
83.8907	1.482456	1.782809	2.061527
76.4196	1.308238	1.573229	1.863948
69.6138	1.178506	1.416279	1.707634
63.4141	1.083838	1.301964	1.586993
57.7666	1.0122795	1.216195	1.491257
52.622	0.9555153	1.148607	1.412024
47.9356	0.9075386	1.091328	1.342588
43.6665	0.8640266	1.038631	1.277951
39.7777	0.8222108	0.987137	1.21504
36.2352	0.7816789	0.936696	1.153533
33.0081	0.7446496	0.890539	1.096112
30.0685	0.7129837	0.851281	1.044974
27.3906	0.6864057	0.818693	0.999876
24.9513	0.6628311	0.790161	0.958459
22.7292	0.6396572	0.762373	0.917726
20.705	0.615138	0.733063	0.875709
18.861	0.5885788	0.701228	0.831656
17.1813	0.5601505	0.666972	0.785855
15.6512	0.5304777	0.631012	0.739121
14.2573	0.5002107	0.594148	0.692297
12.9876	0.4699026	0.55711	0.646103
11.8309	0.4398781	0.520372	0.600963
10.7773	0.4103134	0.484235	0.5571
9.81748	0.3812981	0.448877	0.514602
8.94315	0.3529227	0.414453	0.473534
8.14669	0.3253497	0.381169	0.434035
7.42117	0.2987651	0.349234	0.396263
6.76025	0.2733769	0.318873	0.360409
6.1582	0.2493804	0.290283	0.326648
5.60976	0.226941	0.263625	0.295131
5.11017	0.2061846	0.239013	0.265961
4.65506	0.187162	0.216475	0.239165
4.24049	0.1698525	0.195964	0.214692
3.86284	0.1541669	0.177358	0.192424
3.51883	0.1399364	0.160455	0.174278
3.20545	0.1269285	0.144988	0.159151
2.91998	0.1144709	0.130664	0.144996
2.65993	0.1018469	0.117191	0.131475
2.42304	0.0899808	0.104316	0.118298
2.20725	0.0786974	0.091861	0.105267
2.01068	0.0678949	0.079739	0.092292
1.83161	0.0575346	0.067939	0.07938
1.66849	0.04761107	0.056488	0.066587
1.5199	0.03814912	0.045441	0.05401
1.38454	0.02923276	0.034926	0.041833
1.26123	0.02104571	0.025194	0.030393
1.14891	0.01384636	0.016588	0.020147
1.04659	0.00792199	0.009484	0.011593
0.953383	0.00351961	0.004214	0.005187
0.868477	0.00082524	0.001058	0.001321
0.791132	-2.9272E-05	3.95E-05	6.78E-05
0.720675	-9.18052E-05	-3.6E-05	-1.4E-05
0.656493	-9.18052E-05	-3.6E-05	-1.4E-05
0.598027	-9.18052E-05	-3.6E-05	-1.4E-05
0.544768	-9.18052E-05	-3.6E-05	-1.4E-05
0.496252	-9.18052E-05	-3.6E-05	-1.4E-05
0.452057	-9.18052E-05	-3.6E-05	-1.4E-05
0.411798	-9.18052E-05	-3.6E-05	-1.4E-05
0.375124	-9.18052E-05	-3.6E-05	-1.4E-05
%<10 micron			
%silt			
%sand			
TOTAL			

	Coarsest Sample	Averaged Sample	Finest Sample
2000	100.00	100.00	100.00
1000	93.29	97.42	99.02
710	89.66	95.01	97.60
500	85.22	91.75	96.60
355	70.61	82.54	94.55
250	35.73	49.00	63.05
212	20.33	29.95	39.94
150	4.79	6.86	8.91
125	2.81	3.55	4.29
106	2.10	2.53	2.93
90	1.64	1.97	2.24
63	1.08	1.30	1.58
45	0.88	1.06	1.30
38	0.80	0.96	1.18
31	0.72	0.86	1.06
16	0.54	0.64	0.75
8	0.32	0.37	0.43
4	0.16	0.18	0.20
2	0.07	0.08	0.09

	Sth016RC 0-5m
Size	**% Passing**
10000	100
2000	98.80
1000	96.26
710	93.87
500	90.65
355	81.55
250	48.41
212	29.59
150	6.78
125	3.51
106	2.50
90	1.95
63	1.28
45	1.04
38	0.95
31	0.85
16	0.63
8	0.37
4	0.18
2	0.08

<2mm 98.8%

RAW PSD Data Sth019RC

Undersize	STH019RC_0	STH019RC_1	STH019RC_2	STH019RC_3	STH019RC_4	STH019RC_5	STH019RC_6	STH019RC_7	STH019RC_8	STH019RC_9	STH019RC_1	STH019RC_1	STH019RC_1	STH019RC_1	STH019RC_14-15_grab_81
2000															
1821.88	1.0356	0.222905	0	0.142453	0.0044792	0	0	0	0	0	0	0	0	0	0
1659.63	1.09559	0.253524	0.0039857	0.19236	0.0581028	0	0.006815	0	0.0034346	0.0005759	0.0074102	0	0	0	0
1511.83	1.13458	0.248695	0.0338574	0.219793	0.174632	0	0.0667412	0	0.0400824	0.0115845	0.0887487	0	0	0	0
1377.19	1.19676	0.237358	0.0745285	0.30335	0.327722	0	0.177382	0	0.139493	0.0762383	0.283409	0.010262	0	0	0
1254.54	1.33929	0.29478	0.157192	0.624654	0.608627	0.0284457	0.388327	0.0179662	0.359574	0.289248	0.623747	0.178929	0	0	0.0163526
1142.81	1.57811	0.446039	0.334655	1.24278	1.07014	0.374101	0.780759	0.223639	0.742868	0.703045	1.17448	0.710253	0	0	0.303297
1041.03	1.84688	0.581761	0.503098	1.92665	1.64582	1.07079	1.20588	0.638112	1.181	1.2253	1.79807	1.36744	1.66904	0.7759	1.16657
948.322	2.02632	0.555143	0.551255	2.39027	2.22766	1.50357	1.50735	1.02422	1.57968	1.74172	2.33569	1.87987	3.78172	2.16816	1.87532
863.866	2.09581	0.406572	0.51416	2.62416	2.76888	1.58279	1.6797	1.40859	1.9281	2.21956	2.75278	2.23725	2.71401	2.00675	1.99721
786.932	2.12747	0.317293	0.529414	2.87438	3.32622	1.58044	1.87318	1.86688	2.30836	2.73264	3.15371	2.58825	1.60718	1.41863	2.11751
716.849	2.21555	0.412016	0.692918	3.3734	3.97966	1.78784	2.24394	2.5136	2.8221	3.39156	3.6721	3.12285	2.6999	2.15825	2.67664
653.008	2.42292	0.654318	0.972342	4.15812	4.75091	2.2748	2.82217	3.39977	3.50749	4.24854	4.3544	3.90946	4.73294	3.79096	3.64143
594.852	2.78045	0.848118	1.20073	5.09037	5.59598	2.87998	3.53559	4.48411	4.33572	5.26893	5.15258	4.8675	5.57565	4.88493	4.71894
541.876	3.3159	0.784333	1.2054	5.99092	6.43388	3.41543	4.30277	5.67964	5.24778	6.35139	5.97517	5.86651	6.05025	5.62644	5.6822
493.617	4.05298	0.371461	0.971365	6.73185	7.17343	3.84671	5.09183	6.86932	6.18033	7.35881	6.72993	6.78939	6.94912	6.6113	6.49739
449.657	4.98481	0.051955	0.702111	7.24686	7.72493	4.27935	5.90682	7.92225	7.06311	8.14996	7.33782	7.5506	7.75055	7.60129	7.17448
409.611	6.03814	0.0324439	0.690084	7.51154	8.00891	4.86133	6.73494	8.70319	7.80705	8.60585	7.73086	8.08127	8.00386	8.26116	7.6675
373.132	7.05386	0.413707	1.19847	7.51497	7.96656	5.65764	7.50162	9.08915	8.30348	8.64886	7.84803	8.31062	8.1095	8.71741	7.89067
339.902	7.81635	1.82833	2.47597	7.24108	7.57074	6.56711	8.0634	8.9966	8.44144	8.25489	7.6383	8.17168	8.04574	8.90012	7.7377
309.631	8.12224	4.19526	4.49824	6.68128	6.83948	7.3549	8.25528	8.40794	8.14452	7.46064	7.08035	7.63028	7.49011	8.51003	7.13873
282.056	7.85944	6.97187	6.91837	5.86333	5.84303	7.77435	7.96656	7.38974	7.40882	6.36285	6.20738	6.71899	6.48245	7.52401	6.13384
256.936	7.0505	9.58147	9.22545	4.86628	4.69468	7.68562	7.19468	6.08425	6.31717	5.10161	5.11343	5.54535	5.21859	6.18683	4.88359
234.054	5.84497	11.4281	10.8939	3.80811	3.5285	7.10243	6.05302	4.6755	5.02279	3.83102	3.93547	4.26743	3.98421	4.7944	3.6087
213.21	4.46701	12.0803	11.5353	2.81006	2.46932	6.15217	4.73169	3.34306	3.70735	2.68562	2.81674	3.04971	2.88995	3.509	2.49453
194.222	3.14422	11.4709	11.0225	1.96539	1.60639	5.00883	3.4368	2.22144	2.53289	1.7555	1.87081	2.02197	1.91995	2.36654	1.63588
176.925	2.04759	9.84251	9.53074	1.32183	0.979605	3.84252	2.33382	1.37989	1.60634	1.07707	1.16028	1.25445	1.22608	1.49448	1.0373
161.168	1.25301	7.67973	7.46356	0.871506	0.575853	2.77555	1.50243	0.817013	0.959358	0.633539	0.685919	0.746002	0.780216	0.951236	0.644284
146.815	0.743832	5.48672	5.29372	0.570678	0.344304	1.87656	0.934392	0.478952	0.55711	0.371714	0.400438	0.44191	0.464873	0.588863	0.407432
133.74	0.450121	3.62598	3.40932	0.372517	0.224068	1.18714	0.573177	0.293426	0.331223	0.22922	0.241352	0.271455	0.282865	0.338808	0.293279
121.829	0.290886	2.26988	2.02647	0.242411	0.164481	0.724618	0.354467	0.196579	0.211819	0.153923	0.15538	0.176686	0.199622	0.216254	0.250967
110.979	0.204897	1.40579	1.17	0.162785	0.133846	0.472722	0.231484	0.147424	0.149095	0.113083	0.10898	0.125169	0.0952585	0.14225	0.227924
101.096	0.156491	0.918334	0.72615	0.122092	0.115377	0.37838	0.172102	0.123357	0.114437	0.0892493	0.0832908	0.0996736	0	0.106817	0.202179
92.0923	0.125647	0.654091	0.523924	0.103546	0.0996588	0.364034	0.146913	0.109515	0.0912783	0.0723187	0.0662205	0.0852479	0	0.112927	0.181134
83.8907	0.102937	0.482043	0.41524	0.0925161	0.0836745	0.356188	0.132433	0.0979403	0.0721404	0.0581781	0.0527923	0.0723463	0	0.065685	0.183447
76.4196	0.0846714	0.346368	0.326182	0.0827476	0.0678977	0.324289	0.11664	0.0860639	0.0550683	0.0458188	0.0420843	0.0586412	0	0.0362491	0.208902
69.6138	0.0699199	0.246123	0.246505	0.0727729	0.0534923	0.282218	0.0987844	0.0740819	0.0409184	0.0352307	0.0336304	0.0457138	0	0.0745213	0.215115
63.4141	0.0598727	0.18496	0.185281	0.0636258	0.0418253	0.250044	0.0835405	0.0638468	0.0314013	0.0271434	0.0274815	0.0365897	0	0.0597855	0.175977
57.7666	0.0540212	0.150916	0.143044	0.0575768	0.0326392	0.231107	0.0722305	0.0553561	0.0253909	0.0210187	0.0229485	0.0319746	0	0	0.144574
52.622	0.0509072	0.126198	0.112127	0.0558008	0.0255393	0.215896	0.063637	0.0480446	0.0213039	0.0165324	0.0198826	0.0309788	0	0	0.167782
47.9356	0.0498518	0.105501	0.0905342	0.0563568	0.020511	0.196501	0.0573938	0.0420096	0.0187794	0.0138742	0.018606	0.0322273	0.0271742	0	0.221702
43.6665	0.0505667	0.0919522	0.0790577	0.0556113	0.0170853	0.174453	0.0530735	0.036954	0.0173424	0.0124837	0.0184103	0.0336632	0.037762	0	0.239436
39.7777	0.0537354	0.0864832	0.0756599	0.0531638	0.0149684	0.157809	0.0505949	0.0329719	0.0166695	0.0117419	0.0186911	0.0345061	0.0129218	0	0.21283
36.2352	0.0596437	0.0841192	0.074474	0.0516452	0.0137489	0.150591	0.0494288	0.0300562	0.01615	0.0110342	0.0192391	0.0352843	0.0059018	0	0.196306
33.0081	0.0671747	0.0769537	0.0683549	0.051964	0.012808	0.147828	0.0479453	0.0276458	0.0149572	0.0098446	0.019648	0.035995	0.0237506	0	0.217333
30.0685	0.0750372	0.0645221	0.0571554	0.0525234	0.0119172	0.142809	0.0454412	0.0254325	0.0131855	0.0083512	0.0197474	0.0362315	0.0550371	0	0.251936
27.3906	0.0824507	0.0520987	0.0454749	0.0526004	0.0112583	0.134672	0.0428454	0.0236282	0.0115945	0.0071432	0.0199774	0.0363959	0.0607986	0	0.26866
24.9513	0.0889535	0.0441424	0.0374055	0.0532061	0.011123	0.126906	0.0414829	0.0226292	0.0108726	0.0067139	0.0209703	0.0374635	0.0524012	0	0.265039
22.7292	0.0938146	0.0418157	0.0342032	0.0550077	0.011564	0.122245	0.0417041	0.0224516	0.0111461	0.0071069	0.022773	0.0396897	0.0492202	0	0.25604
20.705	0.0961131	0.0430962	0.0342884	0.0580055	0.0123692	0.120918	0.0428378	0.0227275	0.0120146	0.0079977	0.0249448	0.0425801	0.0567406	0	0.258767
18.861	0.0953507	0.0456395	0.0358502	0.0614761	0.0132974	0.120857	0.0439717	0.0230623	0.0130114	0.0090472	0.027013	0.0453248	0.0708909	0	0.275432
17.1813	0.0914136	0.0477179	0.0373467	0.0642761	0.0141773	0.119173	0.0443332	0.0231919	0.013783	0.0100361	0.0285998	0.0470774	0.0811487	0	0.294834
15.6512	0.0848037	0.0486587	0.0380834	0.066084	0.0149855	0.114642	0.0437723	0.0231545	0.0142236	0.0109468	0.0297055	0.0476	0.0801801	0	0.307187
14.2573	0.0765565	0.0486392	0.0380849	0.0670849	0.015773	0.107716	0.0426057	0.0231323	0.014432	0.0118624	0.0305463	0.0471217	0.0747743	0	0.309008
12.9876	0.0677126	0.0480368	0.037547	0.0678703	0.0165999	0.0999824	0.0413285	0.0233224	0.0145544	0.0128626	0.0314033	0.0461353	0.0724548	0	0.304193
11.8309	0.0591882	0.0474535	0.0369128	0.0694348	0.0175648	0.0935754	0.0405639	0.0239541	0.0147829	0.0140558	0.0326625	0.0453567	0.0696386	0	0.299344
10.7773	0.0515493	0.0471786	0.0363896	0.0722694	0.0186866	0.0897837	0.0406271	0.025091	0.015213	0.0154539	0.0344831	0.0452132	0.0610423	0	0.299581
9.81748	0.045056	0.0473092	0.0360956	0.0763754	0.0199117	0.0889799	0.0415448	0.0266569	0.0158443	0.0169895	0.0368148	0.0458269	0.0492824	0	0.307531
8.94315	0.0396892	0.0476724	0.0359465	0.0810369	0.0211123	0.0903726	0.0430325	0.0284374	0.0165929	0.018523	0.039373	0.0469523	0.0399898	0	0.32006
8.14669	0.0352527	0.0479245	0.035757	0.0850843	0.0221087	0.0925011	0.0446077	0.030132	0.0173146	0.0198677	0.0417095	0.0481048	0.0362591	0	0.330868
7.42117	0.0315465	0.0478703	0.0354208	0.087813	0.0227986	0.0943297	0.0459463	0.0315456	0.0179136	0.0209129	0.0435472	0.0489716	0.0388078	0	0.335887
6.76025	0.0283332	0.0473492	0.0348385	0.0887218	0.0231116	0.0949844	0.0467803	0.032529	0.0183071	0.0215798	0.0446822	0.0492963	0.0446432	0	0.332136
6.1582	0.0254294	0.0463217	0.0339875	0.0876799	0.0230359	0.0940387	0.0469886	0.0330232	0.0184587	0.0218485	0.045048	0.048981	0.0474881	0	0.31836
5.60976	0.0227127	0.0448144	0.0328774	0.0847914	0.022589	0.0914145	0.0465457	0.0330188	0.0183579	0.021728	0.0446596	0.048031	0.0437001	0	0.295183
5.11017	0.0201263	0.0428798	0.0315422	0.0801957	0.0217912	0.0871324	0.0454496	0.0325152	0.0180026	0.0212305	0.0435409	0.0464692	0.0343475	0	0.263749
4.65506	0.0176773	0.040671	0.0300718	0.0743768	0.0207132	0.0816755	0.0438295	0.0315834	0.017431	0.0204162	0.0418341	0.0444719	0.0232301	0	0.227536
4.24049	0.0153909	0.0383382	0.0285578	0.0678377	0.019431	0.0755843	0.0418314	0.0303075	0.0166891	0.0193533	0.0396924	0.0422232	0.0146624	0	0.190206
3.86284	0.0133068	0.0360231	0.0270829	0.0610633	0.0180307	0.0693631	0.0396084	0.0287853	0.0158346	0.0181235	0.0372775	0.0399025	0.008889	0	0.154707
3.51883	0.0115021	0.0338998	0.0257525	0.0547087	0.0166294	0.0637924	0.0373872	0.0271612	0.014954	0.0168409	0.0348118	0.0377736	0.0032322	0	0.124558
3.20545	0.0100387	0.0321246	0.0246592	0.0493461	0.0153359	0.0595741	0.0353799	0.0255761	0.014131	0.015615	0.0325019	0.0360696	0	0	0.10258
2.91998	0.008942	0.0307695	0.023841	0.0453148	0.0142154	0.0571046	0.0337106	0.0241186	0.0134137	0.014514	0.0304759	0.0349126	0	0	0.0909688
2.65993	0.0082173	0.0298386	0.0232923	0.0427235	0.0133162	0.0564485	0.0324339	0.0228517	0.0128407	0.013594	0.0288029	0.0343286	0	0	0.0891713
2.42304	0.0078185	0.0292108	0.0229348	0.0412285	0.012641	0.0570294	0.0314477	0.0217665	0.0124202	0.0128738	0.027416	0.0341342	0	0	0.0930459
2.20725	0.0076707	0.0286698	0.022627	0.040213	0.0121547	0.0578597	0.0305497	0.0208006	0.0121317	0.0123367	0.026162	0.0340162	0	0	0.0965124
2.01068	0.0076746	0.0279896	0.0222178	0.039017	0.0117901	0.0578866	0.0295083	0.0198593	0.0119217	0.0119302	0.0248625	0.0336386	0	0	0.0938934
1.83161	0.0077441	0.0270287	0.0216018	0.037317	0.0114788	0.0566387	0.028198	0.0188734	0.0117311	0.0115925	0.0234189	0.0328132	0	0	0.0848155
1.66849	0.0078236	0.025819	0.020785	0.0352716	0.0111813	0.0544516	0.0266609	0.0178364	0.0115203	0.0112827	0.0218639	0.0315796	0	0	0.0732499
1.5199	0.0078659	0.0243948	0.0197738	0.0330883	0.0108569	0.0517544	0.0249515	0.0167419	0.0112489	0.0109565	0.0202367	0.0300036	0	0	0.0635699
1.38454	0.0077895	0.022662	0.0184928	0.0305505	0.0104283	0.0482572	0.0229752	0.0155176	0.0108454	0.0105367	0.0184588	0.0279623	0	0	0.055144
1.26123	0.007468	0.0203546	0.0167527	0.026971	0.0097635	0.0428812	0.0204586	0.014003	0.0101898	0.0098936	0.0163086	0.0251121	0	0	0.0435304
1.14891	0.0068039	0.0173244	0.0144367	0.0220125	0.0087543	0.0351017	0.0172547	0.0120874	0.0091782	0.0089147	0.0136666	0.021281	0	0	0.0269935
1.04659	0.0057556	0.0136426	0.0115697	0.0160183	0.0073416	0.0255233	0.0134455	0.0097509	0.007744	0.0075266	0.0105926	0.0166037	0	0	0.0087195
0.953383	0.0043539	0.009572	0.0083046	0.0098833	0.0055386	0.0156606	0.009324	0.0070787	0.005886	0.0057237	0.0073122	0.0114914	0	0	0.0006305
0.868477	0.0026422	0.00542	0.0048221	0.0046759	0.0033681	0.0073215	0.0052113	0.0041616	0.0036066	0.0035082	0.0040723	0.0063944	0	0	0
0.791132	0.0008597	0.0016738	0.0015199	0.0012113	0.0010993	0.0018678	0.0015963	0.0013277	0.001184	0.0011516	0.0012446	0.0019494	0	0	0
0.720675	6.396E-05	0.00012	0.0001103	7.688E-05	8.188E-05	0.0001169	0.0001145	9.767E-05	8.853E-05	8.606E-05	8.918E-05	0.0001393	0	0	0
0.656493	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.598027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.544768	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.496252	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.452057	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.411798	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.375124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Undersize	STH019RC_	STH019RC_	STH019RC_	STH019RC_	STH019RC_	STH019RC_	STH019RC_	STH019RC_	STH019RC_	STH019RC_	STH019RC_10-11_grab_77	STH019RC_	STH019RC_	STH019RC_	STH019RC_14-15_grab_81
2000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1821.88	98.9644	99.7771	100	99.85755	99.99552	100	100	100	100	100	100	100	100	100	100
1659.63	97.86881	99.52357	99.99601	99.66519	99.93742	100	99.99319	100	99.99657	99.99942	99.99258985	100	100	100	100
1511.83	96.73423	99.27488	99.96216	99.44539	99.76279	100	99.92644	100	99.95648	99.98784	99.90384115	100	100	100	100
1377.19	95.53747	99.03752	99.88763	99.14204	99.43506	100	99.74906	100	99.81699	99.9116	99.62043215	99.98974	100	100	100
1254.54	94.19818	98.74274	99.73044	98.51739	98.82644	99.97155	99.36073	99.98203	99.45742	99.62235	98.99668515	99.81081	100	100	99.98365
1142.81	92.62007	98.2967	99.39578	97.27461	97.7563	99.59745	98.57998	99.75839	98.71455	98.91931	97.82220515	99.10056	100	100	99.68035
1041.03	90.77319	97.71494	98.89268	95.34796	96.11048	98.52666	97.3741	99.12028	97.53355	97.69401	96.02413515	97.73312	98.33096	99.2241	98.51378
948.322	88.74687	97.1598	98.34143	92.95769	93.88282	97.02309	95.86675	98.09606	95.95387	95.95229	93.68844515	95.85325	94.54924	97.05594	96.63846
863.866	86.65106	96.75322	97.82727	90.33353	91.11394	95.4403	94.18705	96.68747	94.02577	93.73273	90.93566515	93.616	91.83523	95.04919	94.64125
786.932	84.52359	96.43593	97.29785	87.45915	87.78772	93.85986	92.31387	94.82059	91.71741	91.00009	87.78195515	91.02775	90.22805	93.63056	92.52374
716.849	82.30804	96.02391	96.60494	84.08575	83.80806	92.07202	90.06993	92.30699	88.89531	87.60853	84.10985515	87.9049	87.52815	91.47231	89.8471
653.008	79.88512	95.3696	95.63259	79.92763	79.05715	89.79722	87.24776	88.90722	85.38782	83.35999	79.75545515	83.99544	82.79521	87.68135	86.20567
594.852	77.10467	94.52148	94.43186	74.83726	73.46117	86.91724	83.71217	84.42311	81.0521	78.09106	74.60287515	79.12794	77.21956	82.79642	81.48673
541.876	73.78877	93.73715	93.22646	68.84634	67.02729	83.50181	79.4094	78.74347	75.80432	71.73967	68.62770515	73.26143	71.16931	77.16998	75.80453
493.617	69.73579	93.36568	92.2551	62.11449	59.85386	79.6551	74.31757	71.87415	69.62399	64.38086	61.89777515	66.47204	64.22019	70.55868	69.30714
449.657	64.75098	93.31373	91.55299	54.86763	52.12893	75.37575	68.41075	63.9519	62.56088	56.2309	54.55995515	58.92144	56.46964	62.95739	62.13266
409.611	58.71284	93.28129	90.8629	47.35609	44.12002	70.51442	61.67581	55.24871	54.75383	47.62505	46.82909515	50.84017	48.46578	54.69623	54.46516
373.132	51.65898	92.86758	89.66443	39.84112	36.15346	64.85678	54.17419	46.15956	46.45035	38.97619	38.98106515	42.52955	40.35628	45.97882	46.57449
339.902	43.84263	91.03925	87.18846	32.60004	28.58272	58.28967	46.11079	37.16296	38.00891	30.7213	31.34276515	34.35787	32.31054	37.0787	38.83679
309.631	35.72039	86.84399	82.69022	25.91876	21.74324	50.93477	37.85551	28.75502	29.86439	23.26066	24.26241515	26.72759	24.82043	28.56867	31.69806
282.056	27.86095	79.87212	75.77185	20.05543	15.90021	43.16042	29.88895	21.36528	22.45557	16.89781	18.05503515	20.0086	18.33798	21.04466	25.56422
256.936	20.81045	70.29065	66.5464	15.18915	11.20553	35.4748	22.69427	15.28103	16.1384	11.7962	12.94160515	14.46325	13.11939	14.85783	20.68063
234.054	14.96548	58.86255	55.6525	11.38104	7.677027	28.37237	16.64125	10.60553	11.11561	7.965178	9.00613515	10.19582	9.13518	10.06343	17.07193
213.21	10.49847	46.78225	44.1172	8.57098	5.207707	22.2202	11.90956	7.262473	7.408258	5.279558	6.18939515	7.146106	6.24523	6.55443	14.5774
194.222	7.35425	35.31135	33.0947	6.60559	3.601317	17.21137	8.472756	5.041033	4.875368	3.524058	4.31858515	5.124136	4.32528	4.18789	12.94152
176.925	5.30666	25.46884	23.56396	5.28376	2.621712	13.36885	6.138936	3.661143	3.269028	2.446988	3.15830515	3.869686	3.0992	2.69341	11.90422
161.168	4.05365	17.78911	16.1004	4.412254	2.045859	10.5933	4.636506	2.84413	2.30967	1.813449	2.47238615	3.123684	2.318984	1.742174	11.25994
146.815	3.309818	12.30239	10.80668	3.841576	1.701555	8.716743	3.702114	2.365178	1.75256	1.441735	2.07194815	2.681774	1.854111	1.153311	10.8525
133.74	2.859697	8.676408	7.397364	3.469059	1.477487	7.529603	3.128937	2.071752	1.421337	1.212515	1.83059615	2.410319	1.571246	0.814503	10.55923
121.829	2.568811	6.406528	5.370894	3.226648	1.313006	6.804985	2.77447	1.875173	1.209518	1.058592	1.67521615	2.233633	1.371624	0.598249	10.30826
110.979	2.363914	5.000738	4.200894	3.063863	1.17916	6.332263	2.542986	1.727749	1.060423	0.945509	1.56623615	2.108464	1.276366	0.455999	10.08033
101.096	2.207423	4.082404	3.474744	2.941771	1.063783	5.953883	2.370884	1.604392	0.945986	0.85626	1.48294535	2.00879	1.276366	0.349182	9.878155
92.0923	2.081776	3.428313	2.95082	2.838225	0.964124	5.589849	2.223971	1.494877	0.854708	0.783941	1.41672485	1.923543	1.276366	0.236255	9.697021
83.8907	1.978839	2.94627	2.53558	2.745709	0.88045	5.233661	2.091538	1.396936	0.782567	0.725763	1.36393255	1.851196	1.276366	0.17057	9.513574
76.4196	1.894168	2.599902	2.209398	2.662961	0.812552	4.909372	1.974898	1.310873	0.727499	0.679944	1.32184825	1.792555	1.276366	0.134321	9.304672
69.6138	1.824248	2.353779	1.962893	2.590188	0.75906	4.627154	1.876113	1.236791	0.686581	0.644714	1.28821785	1.746841	1.276366	0.0598	9.089557
63.4141	1.764375	2.168819	1.777612	2.526563	0.717234	4.37711	1.792573	1.172944	0.655179	0.61757	1.26073635	1.710252	1.276366	1.41E-05	8.91358
57.7666	1.710354	2.017903	1.634568	2.468986	0.684595	4.146003	1.720342	1.117588	0.629788	0.596552	1.23778785	1.678277	1.276366	1.41E-05	8.769006
52.622	1.659447	1.891705	1.522441	2.413185	0.659056	3.930107	1.656705	1.069543	0.608485	0.580019	1.21790525	1.647298	1.276366	1.41E-05	8.601224
47.9356	1.609595	1.786204	1.431907	2.356828	0.638545	3.733606	1.599312	1.027534	0.589705	0.566145	1.19929925	1.615071	1.249191	1.41E-05	8.379522
43.6665	1.559028	1.694252	1.35285	2.301217	0.62146	3.559153	1.546238	0.99058	0.572363	0.553661	1.18088895	1.581408	1.211429	1.41E-05	8.140086
39.7777	1.505293	1.607769	1.27719	2.248053	0.606491	3.401344	1.495643	0.957608	0.555693	0.541919	1.16219785	1.546902	1.198508	1.41E-05	7.927256
36.2352	1.445649	1.52365	1.202716	2.196408	0.592742	3.250753	1.446214	0.927551	0.539543	0.530885	1.14295875	1.511617	1.192606	1.41E-05	7.73095
33.0081	1.378474	1.446696	1.134361	2.144444	0.579934	3.102925	1.398269	0.899906	0.524586	0.521041	1.12331075	1.475622	1.168855	1.41E-05	7.513617
30.0685	1.303437	1.382174	1.077205	2.091921	0.568017	2.960116	1.352828	0.874473	0.511401	0.512689	1.10356335	1.439391	1.113818	1.41E-05	7.261681
27.3906	1.220986	1.330075	1.03173	2.03932	0.556759	2.825444	1.309983	0.850845	0.499806	0.505546	1.08358595	1.402995	1.053019	1.41E-05	6.993021
24.9513	1.132033	1.285933	0.994325	1.986114	0.545636	2.698538	1.2685	0.828216	0.488933	0.498832	1.06261565	1.365531	1.000618	1.41E-05	6.727982
22.7292	1.038218	1.244117	0.960122	1.931106	0.534072	2.576293	1.226796	0.805764	0.477787	0.491725	1.03984265	1.325842	0.951398	1.41E-05	6.471942
20.705	0.942105	1.201021	0.925833	1.873101	0.521703	2.455375	1.183958	0.783037	0.465773	0.483728	1.01489785	1.283262	0.894657	1.41E-05	6.213175
18.861	0.846755	1.155381	0.889983	1.811625	0.508405	2.334518	1.139986	0.759974	0.452761	0.474681	0.98788485	1.237937	0.823766	1.41E-05	5.937743
17.1813	0.755341	1.107663	0.852636	1.747349	0.494228	2.215345	1.095653	0.736782	0.438978	0.464644	0.95928505	1.190859	0.742618	1.41E-05	5.642909
15.6512	0.670537	1.059005	0.814553	1.681265	0.479242	2.100703	1.051881	0.713628	0.424755	0.453698	0.92957955	1.143259	0.662438	1.41E-05	5.335722
14.2573	0.593981	1.010365	0.776468	1.61418	0.463469	1.992987	1.009275	0.690496	0.410323	0.441835	0.89903325	1.096138	0.587663	1.41E-05	5.026714
12.9876	0.526268	0.962329	0.738921	1.546309	0.446869	1.893005	0.967946	0.667173	0.395768	0.428973	0.86762995	1.050002	0.515209	1.41E-05	4.722521
11.8309	0.46708	0.914875	0.702008	1.476875	0.429305	1.79943	0.927382	0.643219	0.380985	0.414917	0.83496745	1.004646	0.44557	1.41E-05	4.423177
10.7773	0.415531	0.867696	0.665619	1.404605	0.410618	1.709646	0.886755	0.618128	0.365772	0.399463	0.80048435	0.959432	0.384528	1.41E-05	4.123596
9.81748	0.370475	0.820387	0.629523	1.32823	0.390706	1.620666	0.845211	0.591471	0.349928	0.382473	0.76366955	0.913605	0.335245	1.41E-05	3.816065
8.94315	0.330785	0.772715	0.593577	1.247193	0.369594	1.530293	0.802178	0.563034	0.333335	0.36395	0.72429655	0.866653	0.295255	1.41E-05	3.496005
8.14669	0.295533	0.72479	0.55782	1.162109	0.347485	1.437792	0.75757	0.532902	0.316021	0.344083	0.68258705	0.818548	0.258996	1.41E-05	3.165137
7.42117	0.263986	0.67692	0.522399	1.074296	0.324687	1.343463	0.711624	0.501356	0.298107	0.32317	0.63903985	0.769577	0.220189	1.41E-05	2.82925
6.76025	0.235653	0.629571	0.48756	0.985574	0.301575	1.248478	0.664844	0.468827	0.2798	0.30159	0.59435765	0.72028	0.175545	1.41E-05	2.497114
6.1582	0.210224	0.583249	0.453573	0.897894	0.278539	1.154439	0.617855	0.435804	0.261341	0.279742	0.54930965	0.671299	0.128057	1.41E-05	2.178754
5.60976	0.187511	0.538435	0.420695	0.813103	0.25595	1.063025	0.571309	0.402785	0.242983	0.258014	0.50465005	0.623268	0.084357	1.41E-05	1.883571
5.11017	0.167385	0.495555	0.389153	0.732907	0.234159	0.975893	0.52586	0.37027	0.224981	0.236783	0.46110915	0.576799	0.05001	1.41E-05	1.619822
4.65506	0.149707	0.454884	0.359081	0.65853	0.213446	0.894217	0.48203	0.338687	0.20755	0.216367	0.41927505	0.532327	0.02678	1.41E-05	1.392286
4.24049	0.134316	0.416546	0.330524	0.590692	0.194015	0.818633	0.440199	0.308379	0.190861	0.197014	0.37958265	0.490104	0.012117	1.41E-05	1.20208
3.86284	0.12101	0.380523	0.303441	0.529629	0.175984	0.74927	0.400591	0.279594	0.175026	0.17889	0.34230515	0.450202	0.003228	1.41E-05	1.047373
3.51883	0.109508	0.346623	0.277688	0.47492	0.159355	0.685477	0.363203	0.252433	0.160072	0.162049	0.30749335	0.412428	-4.1E-06	1.41E-05	0.922815
3.20545	0.099469	0.314498	0.253029	0.425574	0.144019	0.625903	0.327823	0.226857	0.145941	0.146434	0.27499145	0.376358	-4.1E-06	1.41E-05	0.820235
2.91998	0.090527	0.283729	0.229188	0.380259	0.129803	0.568799	0.294113	0.202738	0.132527	0.13192	0.24451555	0.341446	-4.1E-06	1.41E-05	0.729267
2.65993	0.08231	0.25389	0.205896	0.337536	0.116487	0.51235	0.261679	0.179886	0.119687	0.118326	0.21571265	0.307117	-4.1E-06	1.41E-05	0.640095
2.42304	0.074491	0.224679	0.182961	0.296307	0.103846	0.455321	0.230231	0.15812	0.107266	0.105452	0.18829665	0.272983	-4.1E-06	1.41E-05	0.547049
2.20725	0.06682	0.19601	0.160334	0.256094	0.091692	0.397461	0.199682	0.137319	0.095135	0.093116	0.16213465	0.238967	-4.1E-06	1.41E-05	0.450537
2.01068	0.059146	0.16802	0.138116	0.217077	0.079901	0.339574	0.170173	0.11746	0.083213	0.081185	0.13727215	0.205328	-4.1E-06	1.41E-05	0.356644
1.83161	0.051402	0.140991	0.116514	0.17976	0.068423	0.282936	0.141975	0.098586	0.071482	0.069593	0.11385325	0.172515	-4.1E-06	1.41E-05	0.271828
1.66849	0.043578	0.115172	0.095729	0.144489	0.057241	0.228484	0.115314	0.08075	0.059962	0.05831	0.09198935	0.140935	-4.1E-06	1.41E-05	0.198578
1.5199	0.035712	0.090777	0.075956	0.111401	0.046384	0.17673	0.090363	0.064008	0.048713	0.047354	0.07175265	0.110932	-4.1E-06	1.41E-05	0.135008
1.38454	0.027923	0.068115	0.057463	0.08085	0.035956	0.128472	0.067388	0.048491	0.037867	0.036817	0.05329385	0.08297	-4.1E-06	1.41E-05	0.079864
1.26123	0.020455	0.047761	0.04071	0.053879	0.026193	0.085591	0.046929	0.034488	0.027678	0.026923	0.03698525	0.057857	-4.1E-06	1.41E-05	0.036334
1.14891	0.013651	0.030436	0.026273	0.031867	0.017438	0.05049	0.029674	0.0224	0.018499	0.018009	0.02331865	0.036576	-4.1E-06	1.41E-05	0.00934
1.04659	0.007895	0.016794	0.014704	0.015848	0.010097	0.024966	0.016229	0.012649	0.010755	0.010482	0.01272605	0.019973	-4.1E-06	1.41E-05	0.000621
0.953383	0.003541	0.007222	0.006399	0.005965	0.004558	0.009306	0.006905	0.005571	0.004869	0.004758	0.00541387	0.008481	-4.1E-06	1.41E-05	-9.5E-06
0.868477	0.000899	0.001802	0.001577	0.001289	0.00119	0.001984	0.001694	0.001409	0.001263	0.00125	0.00134162	0.002087	-4.1E-06	1.41E-05	-9.5E-06
0.791132	3.95E-05	0.000128	5.7E-05	7.76E-05	9.09E-05	0.000116	9.73E-05	8.14E-05	7.87E-05	9.87E-05	9.698E-05	0.000138	-4.1E-06	1.41E-05	-9.5E-06
0.720675	-2.4E-05	8.11E-06	-5.3E-05	7.2E-07	8.97E-06	-6E-07	-1.7E-05	-1.6E-05	-9.8E-06	1.26E-05	7.7981E-06	-1.6E-06	-4.1E-06	1.41E-05	-9.5E-06
0.656493	-2.4E-05	8.11E-06	-5.3E-05	7.2E-07	8.97E-06	-6E-07	-1.7E-05	-1.6E-05	-9.8E-06	1.26E-05	7.7981E-06	-1.6E-06	-4.1E-06	1.41E-05	-9.5E-06
0.598027	-2.4E-05	8.11E-06	-5.3E-05	7.2E-07	8.97E-06	-6E-07	-1.7E-05	-1.6E-05	-9.8E-06	1.26E-05	7.7981E-06	-1.6E-06	-4.1E-06	1.41E-05	-9.5E-06
0.544768	-2.4E-05	8.11E-06	-5.3E-05	7.2E-07	8.97E-06	-6E-07	-1.7E-05	-1.6E-05	-9.8E-06	1.26E-05	7.7981E-06	-1.6E-06	-4.1E-06	1.41E-05	-9.5E-06
0.496252	-2.4E-05	8.11E-06	-5.3E-05	7.2E-07	8.97E-06	-6E-07	-1.7E-05	-1.6E-05	-9.8E-06	1.26E-05	7.7981E-06	-1.6E-06	-4.1E-06	1.41E-05	-9.5E-06
0.452057	-2.4E-05	8.11E-06	-5.3E-05	7.2E-07	8.97E-06	-6E-07	-1.7E-05	-1.6E-05	-9.8E-06	1.26E-05	7.7981E-06	-1.6E-06	-4.1E-06	1.41E-05	-9.5E-06
0.411798	-2.4E-05	8.11E-06	-5.3E-05	7.2E-07	8.97E-06	-6E-07	-1.7E-05	-1.6E-05	-9.8E-06	1.26E-05	7.7981E-06	-1.6E-06	-4.1E-06	1.41E-05	-9.5E-06
0.375124	-2.4E-05	8.11E-06	-5.3E-05	7.2E-07	8.97E-06	-6E-07	-1.7E-05	-1.6E-05	-9.8E-06	1.26E-05	7.7981E-06	-1.6E-06	-4.1E-06	1.41E-05	-9.5E-06

Undersize	Coarse	Ave	Finest
2000	100	100	100
1821.88	98.9644	99.87223	100
1659.63	97.86881	99.7248	100
1511.83	96.73423	99.54128	100
1377.19	95.53747	99.28526	100
1254.54	94.19818	98.85509	100
1142.81	92.62007	98.06685	100
1041.03	90.77319	96.82836	99.2241
948.322	88.74687	95.24265	98.34143
863.866	86.65106	93.42618	97.82727
786.932	84.52359	91.36346	97.29785
716.849	82.30804	88.89939	96.60494
653.008	79.05715	85.84796	95.63259
594.852	73.46117	82.105	94.52148
541.876	67.02729	77.67749	93.73715
493.617	59.85386	72.64312	93.36568
449.657	52.12893	67.06404	93.31373
409.611	44.12002	60.99819	93.28129
373.132	36.15346	54.52579	92.86758
339.902	28.58272	47.71723	91.03925
309.631	21.74324	40.71358	86.84399
282.056	15.90021	33.75306	79.87212
256.936	11.20553	27.12441	70.29065
234.054	7.677027	21.11315	58.86255
213.21	5.207707	15.94964	46.78225
194.222	3.524058	11.76458	35.31135
176.925	2.446988	8.571653	25.46884
161.168	1.742174	6.279156	17.78911
146.815	1.153311	4.728391	12.30239
133.74	0.814503	3.734069	10.55923
121.829	0.598249	3.116713	10.30826
110.979	0.455999	2.725794	10.08033
101.096	0.349182	2.453134	9.878155
92.0923	0.236255	2.238848	9.697021
83.8907	0.17057	2.061932	9.513574
76.4196	0.134321	1.918492	9.304672
69.6138	0.0598	1.804522	9.089557
63.4141	1.41E-05	1.711883	8.91358
57.7666	1.41E-05	1.633133	8.769006
52.622	1.41E-05	1.564418	8.601224
47.9356	1.41E-05	1.503516	8.379522
43.6665	1.41E-05	1.448335	8.140086
39.7777	1.41E-05	1.396291	7.927256
36.2352	1.41E-05	1.34537	7.73095
33.0081	1.41E-05	1.295813	7.513617
30.0685	1.41E-05	1.248893	7.261681
27.3906	1.41E-05	1.204916	6.993021
24.9513	1.41E-05	1.162698	6.727982
22.7292	1.41E-05	1.120531	6.471942
20.705	1.41E-05	1.077321	6.213175
18.861	1.41E-05	1.032905	5.937743
17.1813	1.41E-05	0.987991	5.642909
15.6512	1.41E-05	0.943531	5.335722
14.2573	1.41E-05	0.900219	5.026714
12.9876	1.41E-05	0.85829	4.722521
11.8309	1.41E-05	0.817368	4.423177
10.7773	1.41E-05	0.776756	4.123596
9.81748	1.41E-05	0.735704	3.816065
8.94315	1.41E-05	0.693723	3.496005
8.14669	1.41E-05	0.65079	3.165137
7.42117	1.41E-05	0.607186	2.82925
6.76025	1.41E-05	0.563439	2.497114
6.1582	1.41E-05	0.520179	2.178754
5.60976	1.41E-05	0.478042	1.883571
5.11017	1.41E-05	0.437641	1.619822
4.65506	1.41E-05	0.399434	1.392286
4.24049	1.41E-05	0.363706	1.20208
3.86284	1.41E-05	0.330569	1.047373
3.51883	-4.1E-06	0.299893	0.922815
3.20545	-4.1E-06	0.271322	0.820235
2.91998	-4.1E-06	0.244374	0.729267
2.65993	-4.1E-06	0.218524	0.640095
2.42304	-4.1E-06	0.193361	0.547049
2.20725	-4.1E-06	0.168709	0.450537
2.01068	-4.1E-06	0.144649	0.356644
1.83161	-4.1E-06	0.121411	0.282936
1.66849	-4.1E-06	0.099184	0.228484
1.5199	-4.1E-06	0.078105	0.17673
1.38454	-4.1E-06	0.058421	0.128472
1.26123	-4.1E-06	0.04069	0.085591
1.14891	-4.1E-06	0.025641	0.05049
1.04659	-4.1E-06	0.013922	0.024966
0.953383	-9.5E-06	0.005864	0.009306
0.868477	-9.5E-06	0.001427	0.002087
0.791132	-9.5E-06	8.75E-05	0.000138
0.720675	-5.3E-05	-7.6E-06	1.41E-05
0.656493	-5.3E-05	-7.6E-06	1.41E-05
0.598027	-5.3E-05	-7.6E-06	1.41E-05
0.544768	-5.3E-05	-7.6E-06	1.41E-05
0.496252	-5.3E-05	-7.6E-06	1.41E-05
0.452057	-5.3E-05	-7.6E-06	1.41E-05
0.411798	-5.3E-05	-7.6E-06	1.41E-05
0.375124	-5.3E-05	-7.6E-06	1.41E-05

	Coarsest Sample	Averaged Sample	Finest Sample
2000	100.00	100.00	100.00
1000	89.91	96.18	98.81
710	82.05	88.62	96.52
500	60.88	73.37	93.39
355	32.04	50.92	92.14
250	10.05	25.28	67.08
212	5.08	15.67	46.05
150	1.27	5.03	13.24
125	0.65	3.26	10.35
106	0.40	2.58	9.97
90	0.21	2.19	9.65
63	0.00	1.71	8.90
45	0.00	1.47	8.22
38	0.00	1.37	7.83
31	0.00	1.26	7.35
16	0.00	0.95	5.41
8	0.00	0.64	3.10
4	0.00	0.34	1.10
2	0.00	0.14	0.35

Size	STH019 0-15m	STH019 0-11m
10000	100.00	100.00
2000	99.65	99.65
1000	96.19	95.84
710	88.36	88.30
500	71.85	73.11
355	47.69	50.75
250	22.31	25.20
212	13.70	15.61
150	4.80	5.01
125	3.36	3.25
106	2.80	2.57
90	2.47	2.18
63	2.04	1.70
45	1.80	1.46
38	1.70	1.37
31	1.58	1.26
16	1.18	0.95
8	0.75	0.64
4	0.35	0.34
2	0.14	0.14

<2mm **99.65%**

Raw PSD Data Sth010RC

Undersize%	STH010_0-1_03	STH010_1-2_02	STH010_2-3_04	STH010_3-4_06	STH010_4-5 rep_AVE	STH010_5-6_12	STH010_6-7_13	STH010_7-8_14	STH010_8-9_15	STH010_9-10	STH010-10-11	Ave Sth10
2000												
1821.88	0.131	0.868	0.340	0.136	**0.202**	0.000	0.000	0.000	0.000	0.000	0.000	**0.152**
1659.63	0.171	0.874	0.323	0.174	**0.213**	0.011	0.000	0.000	0.000	0.000	0.000	**0.161**
1511.83	0.144	0.697	0.261	0.191	**0.175**	0.072	0.002	0.000	0.000	0.000	0.002	**0.140**
1377.19	0.108	0.478	0.184	0.220	**0.126**	0.174	0.035	0.002	0.004	0.000	0.017	**0.123**
1254.54	0.191	0.411	0.184	0.343	**0.167**	0.377	0.302	0.088	0.089	0.006	0.076	**0.203**
1142.81	0.446	0.525	0.311	0.566	**0.342**	0.750	0.972	0.571	0.441	0.107	0.166	**0.473**
1041.03	0.710	0.706	0.472	0.762	**0.541**	1.140	1.666	1.277	0.859	0.448	0.281	**0.806**
948.322	0.755	0.745	0.504	0.791	**0.581**	1.379	1.995	1.578	0.981	0.857	0.377	**0.959**
863.866	0.597	0.624	0.434	0.676	**0.499**	1.444	1.961	1.485	0.877	1.085	0.487	**0.924**
786.932	0.437	0.534	0.408	0.585	**0.481**	1.480	1.899	1.398	0.832	1.135	0.650	**0.894**
716.849	0.435	0.632	0.509	0.637	**0.644**	1.649	2.105	1.655	1.065	1.195	0.936	**1.042**
653.008	0.575	0.876	0.684	0.781	**0.942**	1.985	2.607	2.290	1.614	1.455	1.346	**1.378**
594.852	0.682	1.035	0.765	0.827	**1.152**	2.394	3.231	3.072	2.332	1.956	1.815	**1.751**
541.876	0.592	0.940	0.639	0.619	**1.067**	2.751	3.798	3.748	3.035	2.598	2.252	**2.004**
493.617	0.374	0.683	0.412	0.224	**0.690**	3.011	4.255	4.220	3.643	3.263	2.583	**2.123**
449.657	0.310	0.554	0.348	0.070	**0.322**	3.246	4.649	4.547	4.199	3.895	2.785	**2.266**
409.611	0.679	0.837	0.709	0.324	**0.293**	3.601	5.066	4.870	4.796	4.509	2.881	**2.597**
373.132	1.872	1.840	1.838	1.505	**0.869**	4.212	5.539	5.294	5.477	5.141	2.913	**3.318**
339.902	3.962	3.671	3.815	3.647	**2.423**	5.113	6.007	5.791	6.178	5.792	2.920	**4.484**
309.631	6.548	6.004	6.297	6.370	**4.767**	6.199	6.333	6.213	6.751	6.391	2.928	**5.891**
282.056	9.004	8.276	8.734	9.070	**7.432**	7.249	6.403	6.397	7.056	6.826	2.943	**7.217**
256.936	10.710	9.919	10.549	11.094	**9.817**	8.007	6.198	6.281	7.047	7.005	2.951	**8.143**
234.054	11.280	10.557	11.338	11.967	**11.362**	8.272	5.804	5.935	6.791	6.910	2.931	**8.468**
213.21	10.685	10.127	10.993	11.543	**11.715**	7.955	5.336	5.485	6.404	6.603	2.853	**8.154**
194.222	9.235	8.869	9.712	10.031	**10.848**	7.106	4.852	5.026	5.971	6.175	2.689	**7.320**
176.925	7.423	7.207	7.906	7.906	**9.058**	5.891	4.335	4.565	5.492	5.686	2.428	**6.173**
161.168	5.686	5.540	6.010	5.702	**6.844**	4.527	3.716	4.033	4.889	5.131	2.084	**4.924**
146.815	4.239	4.093	4.325	3.815	**4.698**	3.211	2.943	3.343	4.069	4.454	1.701	**3.717**
133.74	3.086	2.913	2.973	2.420	**2.961**	2.083	2.063	2.500	3.041	3.602	1.337	**2.634**
121.829	2.152	1.969	1.957	1.503	**1.767**	1.230	1.234	1.641	1.963	2.614	1.044	**1.734**
110.979	1.397	1.249	1.239	0.954	**1.071**	0.674	0.630	0.950	1.057	1.639	0.848	**1.064**
101.096	0.839	0.758	0.773	0.648	**0.729**	0.375	0.312	0.532	0.473	0.860	0.746	**0.640**
92.0923	0.480	0.467	0.494	0.474	**0.575**	0.242	0.190	0.335	0.195	0.380	0.720	**0.414**
83.8907	0.281	0.308	0.329	0.354	**0.476**	0.184	0.145	0.247	0.098	0.164	0.750	**0.303**
76.4196	0.188	0.226	0.230	0.261	**0.377**	0.147	0.117	0.202	0.077	0.092	0.815	**0.248**
69.6138	0.157	0.191	0.179	0.195	**0.291**	0.118	0.100	0.181	0.083	0.078	0.905	**0.225**
63.4141	0.153	0.180	0.157	0.159	**0.234**	0.097	0.093	0.174	0.086	0.082	1.012	**0.221**
57.7666	0.150	0.173	0.145	0.142	**0.202**	0.080	0.086	0.165	0.074	0.082	1.130	**0.221**
52.622	0.134	0.156	0.127	0.129	**0.179**	0.063	0.072	0.146	0.048	0.069	1.252	**0.216**
47.9356	0.113	0.133	0.106	0.115	**0.158**	0.049	0.057	0.124	0.026	0.046	1.364	**0.208**
43.6665	0.096	0.116	0.090	0.102	**0.141**	0.042	0.050	0.109	0.019	0.027	1.460	**0.205**
39.7777	0.090	0.108	0.083	0.094	**0.132**	0.043	0.053	0.107	0.025	0.021	1.531	**0.208**
36.2352	0.089	0.106	0.081	0.089	**0.127**	0.046	0.063	0.113	0.035	0.026	1.581	**0.214**
33.0081	0.086	0.101	0.077	0.082	**0.120**	0.045	0.067	0.116	0.038	0.035	1.618	**0.217**
30.0685	0.079	0.091	0.069	0.072	**0.107**	0.040	0.065	0.112	0.033	0.038	1.643	**0.214**
27.3906	0.071	0.082	0.061	0.063	**0.095**	0.034	0.060	0.104	0.028	0.035	1.665	**0.209**
24.9513	0.066	0.077	0.055	0.057	**0.086**	0.031	0.060	0.100	0.027	0.030	1.678	**0.206**
22.7292	0.067	0.077	0.054	0.054	**0.082**	0.032	0.066	0.103	0.033	0.030	1.685	**0.207**
20.705	0.071	0.080	0.055	0.054	**0.081**	0.036	0.076	0.109	0.043	0.035	1.676	**0.211**
18.861	0.076	0.084	0.058	0.056	**0.081**	0.040	0.086	0.117	0.053	0.042	1.648	**0.213**
17.1813	0.081	0.087	0.060	0.056	**0.080**	0.043	0.094	0.123	0.061	0.050	1.598	**0.212**
15.6512	0.085	0.088	0.062	0.056	**0.078**	0.045	0.098	0.124	0.066	0.056	1.520	**0.207**
14.2573	0.088	0.089	0.063	0.056	**0.075**	0.046	0.099	0.121	0.070	0.060	1.430	**0.200**
12.9876	0.091	0.089	0.064	0.055	**0.072**	0.046	0.098	0.116	0.071	0.061	1.335	**0.191**
11.8309	0.093	0.091	0.065	0.055	**0.070**	0.047	0.097	0.112	0.073	0.062	1.253	**0.183**
10.7773	0.097	0.094	0.067	0.055	**0.069**	0.047	0.097	0.109	0.074	0.062	1.193	**0.178**
9.81748	0.100	0.098	0.069	0.055	**0.068**	0.048	0.099	0.110	0.076	0.062	1.149	**0.176**
8.94315	0.103	0.102	0.071	0.056	**0.069**	0.048	0.102	0.112	0.078	0.063	1.124	**0.175**
8.14669	0.105	0.105	0.072	0.057	**0.069**	0.049	0.104	0.114	0.080	0.064	1.095	**0.174**
7.42117	0.105	0.107	0.073	0.057	**0.069**	0.049	0.106	0.115	0.080	0.064	1.065	**0.172**
6.76025	0.103	0.107	0.073	0.057	**0.068**	0.048	0.106	0.114	0.079	0.064	1.024	**0.168**
6.1582	0.100	0.105	0.072	0.056	**0.067**	0.047	0.104	0.112	0.076	0.063	0.974	**0.161**
5.60976	0.095	0.101	0.069	0.055	**0.065**	0.045	0.100	0.107	0.073	0.061	0.919	**0.154**
5.11017	0.089	0.096	0.066	0.053	**0.062**	0.043	0.094	0.100	0.068	0.058	0.851	**0.144**
4.65506	0.082	0.090	0.063	0.050	**0.059**	0.040	0.087	0.093	0.062	0.054	0.788	**0.133**
4.24049	0.075	0.083	0.059	0.048	**0.055**	0.038	0.079	0.084	0.056	0.050	0.716	**0.122**
3.86284	0.068	0.075	0.055	0.045	**0.052**	0.035	0.072	0.076	0.051	0.046	0.661	**0.112**
3.51883	0.061	0.069	0.051	0.042	**0.048**	0.032	0.065	0.068	0.045	0.042	0.605	**0.103**
3.20545	0.055	0.063	0.047	0.039	**0.046**	0.030	0.059	0.063	0.040	0.038	0.570	**0.095**
2.91998	0.051	0.058	0.045	0.037	**0.043**	0.028	0.055	0.059	0.037	0.034	0.542	**0.090**
2.65993	0.047	0.055	0.042	0.035	**0.042**	0.026	0.053	0.058	0.034	0.031	0.536	**0.087**
2.42304	0.045	0.052	0.040	0.034	**0.041**	0.025	0.052	0.058	0.031	0.029	0.544	**0.086**
2.20725	0.042	0.050	0.038	0.033	**0.040**	0.024	0.051	0.058	0.029	0.027	0.555	**0.086**
2.01068	0.040	0.047	0.036	0.031	**0.038**	0.022	0.049	0.057	0.027	0.026	0.558	**0.085**
1.83161	0.037	0.044	0.034	0.030	**0.036**	0.021	0.046	0.055	0.025	0.024	0.541	**0.081**
1.66849	0.034	0.040	0.031	0.028	**0.034**	0.019	0.042	0.051	0.022	0.022	0.518	**0.076**
1.5199	0.031	0.036	0.028	0.026	**0.032**	0.017	0.038	0.047	0.019	0.019	0.490	**0.071**
1.38454	0.028	0.032	0.025	0.023	**0.029**	0.015	0.034	0.042	0.017	0.017	0.466	**0.066**
1.26123	0.023	0.027	0.022	0.021	**0.025**	0.013	0.028	0.036	0.013	0.015	0.424	**0.059**
1.14891	0.019	0.021	0.017	0.017	**0.021**	0.011	0.021	0.027	0.010	0.012	0.357	**0.048**
1.04659	0.013	0.015	0.013	0.013	**0.016**	0.008	0.013	0.017	0.006	0.009	0.260	**0.035**
0.953383	0.008	0.009	0.008	0.009	**0.011**	0.005	0.006	0.008	0.003	0.005	0.152	**0.020**
0.868477	0.004	0.004	0.004	0.005	**0.006**	0.003	0.001	0.002	0.001	0.003	0.065	**0.009**
0.791132	0.001	0.001	0.001	0.002	**0.002**	0.001	0.000	0.000	0.000	0.001	0.017	**0.002**
0.720675	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.002	**0.000**
0.656493	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
0.598027	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
0.544768	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
0.496252	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
0.452057	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
0.411798	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
0.375124	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
0.341716	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.311283	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.283561	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.258308	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.235303	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.214348	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.195258	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.177869	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.162028	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.147598	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.134454	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.122479	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.111572	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.101635	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.0925838	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.0843385	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.0768275	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.0699854	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.0637526	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.0580749	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.0529029	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.0481915	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.0438996	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	
0.03999	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000	

Undersize%	STH010_0-1_03	STH010_1-2_02	STH010_2-3_04	STH010_3-4_06	STH010_4-5 rep_AVE	STH010_5-6_12	STH010_6-7_13	STH010_7-8_14	STH010_8-9_15	STH010_9-10_16	STH010_10-11_17
2000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1821.88	0.13	0.87	0.34	0.14	0.20	0.00	0.00	0.00	0.00	0.00	0.00
1659.63	0.17	0.87	0.32	0.17	0.21	0.01	0.00	0.00	0.00	0.00	0.00
1511.83	0.14	0.70	0.26	0.19	0.17	0.07	0.00	0.00	0.00	0.00	0.02
1377.19	0.11	0.48	0.18	0.22	0.13	0.17	0.03	0.00	0.00	0.01	0.08
1254.54	0.19	0.41	0.18	0.34	0.17	0.38	0.30	0.09	0.09	0.11	0.17
1142.81	0.45	0.53	0.31	0.57	0.34	0.75	0.97	0.57	0.44	0.45	0.28
1041.03	0.71	0.71	0.47	0.76	0.54	1.14	1.67	1.28	0.86	0.86	0.38
948.322	0.76	0.75	0.50	0.79	0.58	1.38	2.00	1.58	0.98	1.08	0.49
863.866	0.60	0.62	0.43	0.68	0.50	1.44	1.96	1.48	0.88	1.14	0.65
786.932	0.44	0.53	0.41	0.58	0.48	1.48	1.90	1.40	0.83	1.20	0.94
716.849	0.44	0.63	0.51	0.64	0.64	1.65	2.11	1.65	1.07	1.46	1.35
653.008	0.57	0.88	0.68	0.78	0.94	1.99	2.61	2.29	1.61	1.96	1.82
594.852	0.68	1.03	0.76	0.83	1.15	2.39	3.23	3.07	2.33	2.60	2.25
541.876	0.59	0.94	0.64	0.62	1.07	2.75	3.80	3.75	3.03	3.26	2.58
493.617	0.37	0.68	0.41	0.22	0.69	3.01	4.25	4.22	3.64	3.89	2.79
449.657	0.31	0.55	0.35	0.07	0.32	3.25	4.65	4.55	4.20	4.51	2.88
409.611	0.68	0.84	0.71	0.32	0.29	3.60	5.07	4.87	4.80	5.14	2.91
373.132	1.87	1.84	1.84	1.50	0.87	4.21	5.54	5.29	5.48	5.79	2.92
339.902	3.96	3.67	3.81	3.65	2.42	5.11	6.01	5.79	6.18	6.39	2.93
309.631	6.55	6.00	6.30	6.37	4.77	6.20	6.33	6.21	6.75	6.83	2.94
282.056	9.00	8.28	8.73	9.07	7.43	7.25	6.40	6.40	7.06	7.00	2.95
256.936	10.71	9.92	10.55	11.09	9.82	8.01	6.20	6.28	7.05	6.91	2.93
234.054	11.28	10.56	11.34	11.97	11.36	8.27	5.80	5.93	6.79	6.60	2.85
213.21	10.69	10.13	10.99	11.54	11.72	7.96	5.34	5.49	6.40	6.18	2.69
194.222	9.24	8.87	9.71	10.03	10.85	7.11	4.85	5.03	5.97	5.69	2.43
176.925	7.42	7.21	7.91	7.91	9.06	5.89	4.33	4.57	5.49	5.13	2.08
161.168	5.69	5.54	6.01	5.70	6.84	4.53	3.72	4.03	4.89	4.45	1.70
146.815	4.24	4.09	4.33	3.81	4.70	3.21	2.94	3.34	4.07	3.60	1.34
133.74	3.09	2.91	2.97	2.42	2.96	2.08	2.06	2.50	3.04	2.61	1.04
121.829	2.15	1.97	1.96	1.50	1.77	1.23	1.23	1.64	1.96	1.64	0.85
110.979	1.40	1.25	1.24	0.95	1.07	0.67	0.63	0.95	1.06	0.86	0.75
101.096	0.84	0.76	0.77	0.65	0.73	0.37	0.31	0.53	0.47	0.38	0.72
92.0923	0.48	0.47	0.49	0.47	0.58	0.24	0.19	0.34	0.20	0.16	0.75
83.8907	0.28	0.31	0.33	0.35	0.48	0.18	0.14	0.25	0.10	0.09	0.82
76.4196	0.19	0.23	0.23	0.26	0.38	0.15	0.12	0.20	0.08	0.08	0.91
69.6138	0.16	0.19	0.18	0.20	0.29	0.12	0.10	0.18	0.08	0.08	1.01
63.4141	0.15	0.18	0.16	0.16	0.23	0.10	0.09	0.17	0.09	0.08	1.13
57.7666	0.15	0.17	0.14	0.14	0.20	0.08	0.09	0.16	0.07	0.07	1.25
52.622	0.13	0.16	0.13	0.13	0.18	0.06	0.07	0.15	0.05	0.05	1.36
47.9356	0.11	0.13	0.11	0.11	0.16	0.05	0.06	0.12	0.03	0.03	1.46
43.6665	0.10	0.12	0.09	0.10	0.14	0.04	0.05	0.11	0.02	0.02	1.53
39.7777	0.09	0.11	0.08	0.09	0.13	0.04	0.05	0.11	0.02	0.03	1.58
36.2352	0.09	0.11	0.08	0.09	0.13	0.05	0.06	0.11	0.03	0.03	1.62
33.0081	0.09	0.10	0.08	0.08	0.12	0.05	0.07	0.12	0.04	0.04	1.64
30.0685	0.08	0.09	0.07	0.07	0.11	0.04	0.06	0.11	0.03	0.03	1.67
27.3906	0.07	0.08	0.06	0.06	0.09	0.03	0.06	0.10	0.03	0.03	1.68
24.9513	0.07	0.08	0.05	0.06	0.09	0.03	0.06	0.10	0.03	0.03	1.68
22.7292	0.07	0.08	0.05	0.05	0.08	0.03	0.07	0.10	0.03	0.03	1.68
20.705	0.07	0.08	0.06	0.05	0.08	0.04	0.08	0.11	0.04	0.04	1.65
18.861	0.08	0.08	0.06	0.06	0.08	0.04	0.09	0.12	0.05	0.05	1.60
17.1813	0.08	0.09	0.06	0.06	0.08	0.04	0.09	0.12	0.06	0.06	1.52
15.6512	0.08	0.09	0.06	0.06	0.08	0.04	0.10	0.12	0.07	0.06	1.43
14.2573	0.09	0.09	0.06	0.06	0.08	0.05	0.10	0.12	0.07	0.06	1.34
12.9876	0.09	0.09	0.06	0.06	0.07	0.05	0.10	0.12	0.07	0.06	1.25
11.8309	0.09	0.09	0.06	0.05	0.07	0.05	0.10	0.11	0.07	0.06	1.19
10.7773	0.10	0.09	0.07	0.05	0.07	0.05	0.10	0.11	0.07	0.06	1.15
9.81748	0.10	0.10	0.07	0.06	0.07	0.05	0.10	0.11	0.08	0.06	1.12
8.94315	0.10	0.10	0.07	0.06	0.07	0.05	0.10	0.11	0.08	0.06	1.09
8.14669	0.10	0.11	0.07	0.06	0.07	0.05	0.10	0.11	0.08	0.06	1.07
7.42117	0.10	0.11	0.07	0.06	0.07	0.05	0.11	0.11	0.08	0.06	1.02
6.76025	0.10	0.11	0.07	0.06	0.07	0.05	0.11	0.11	0.08	0.06	0.97
6.1582	0.10	0.10	0.07	0.06	0.07	0.05	0.10	0.11	0.08	0.06	0.92
5.60976	0.09	0.10	0.07	0.05	0.06	0.05	0.10	0.11	0.07	0.06	0.85
5.11017	0.09	0.10	0.07	0.05	0.06	0.04	0.09	0.10	0.07	0.05	0.79
4.65506	0.08	0.09	0.06	0.05	0.06	0.04	0.09	0.09	0.06	0.05	0.72
4.24049	0.07	0.08	0.06	0.05	0.06	0.04	0.08	0.08	0.06	0.05	0.66
3.86284	0.07	0.08	0.05	0.04	0.05	0.03	0.07	0.08	0.05	0.04	0.61
3.51883	0.06	0.07	0.05	0.04	0.05	0.03	0.06	0.07	0.05	0.04	0.57
3.20545	0.06	0.06	0.05	0.04	0.05	0.03	0.06	0.06	0.04	0.03	0.54
2.91998	0.05	0.06	0.04	0.04	0.04	0.03	0.06	0.06	0.04	0.03	0.54
2.65993	0.05	0.05	0.04	0.04	0.04	0.03	0.05	0.06	0.03	0.03	0.54
2.42304	0.04	0.05	0.04	0.03	0.04	0.02	0.05	0.06	0.03	0.03	0.55
2.20725	0.04	0.05	0.04	0.03	0.04	0.02	0.05	0.06	0.03	0.03	0.56
2.01068	0.04	0.05	0.04	0.03	0.04	0.02	0.05	0.06	0.03	0.02	0.54
1.83161	0.04	0.04	0.03	0.03	0.04	0.02	0.05	0.05	0.02	0.02	0.52
1.66849	0.03	0.04	0.03	0.03	0.03	0.02	0.04	0.05	0.02	0.02	0.49
1.5199	0.03	0.04	0.03	0.03	0.03	0.02	0.04	0.05	0.02	0.02	0.47
1.38454	0.03	0.03	0.03	0.02	0.03	0.02	0.03	0.04	0.02	0.01	0.42
1.26123	0.02	0.03	0.02	0.02	0.03	0.01	0.03	0.04	0.01	0.01	0.36
1.14891	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.03	0.01	0.01	0.26
1.04659	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.15
0.953383	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.07
0.868477	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.02
0.791132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.720675	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.656493	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.598027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.544768	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.496252	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.452057	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.411798	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.375124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.341716	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.311283	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.283561	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.258308	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.235303	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.214348	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.195258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.177869	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.162028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.147598	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.134454	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.122479	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.111572	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.101635	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.092584	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.084339	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.076828	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.069985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.063753	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.058075	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.052903	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.048192	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0439	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.03999	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Undersize%	STH010_0-1_03	STH010_1-2_02	STH010_2-3_04	STH010_3-4_06	STH010_4-5 rep_AVE	STH010_5-6_12	STH010_6-7_13	STH010_7-8_14	STH010_8-9_15	STH010_9-10_17	STH010_10-11_16
2000	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
1821.88	99.87	99.13	99.66	99.86	99.80	100.00	100.00	100.00	100.00	100.00	100.00
1659.63	99.70	98.26	99.34	99.69	99.59	99.99	100.00	100.00	100.00	100.00	100.00
1511.83	99.55	97.56	99.08	99.50	99.41	99.92	100.00	100.00	100.00	100.00	99.98
1377.19	99.45	97.08	98.89	99.28	99.28	99.74	99.96	100.00	100.00	99.99	99.91
1254.54	99.25	96.67	98.71	98.94	99.12	99.37	99.66	99.91	99.91	99.89	99.74
1142.81	98.81	96.15	98.40	98.37	98.78	98.62	98.69	99.34	99.47	99.44	99.46
1041.03	98.10	95.44	97.93	97.61	98.23	97.48	97.02	98.06	98.61	98.58	99.08
948.322	97.34	94.69	97.42	96.82	97.65	96.10	95.03	96.48	97.63	97.50	98.59
863.866	96.75	94.07	96.99	96.14	97.15	94.65	93.07	95.00	96.75	96.36	97.94
786.932	96.31	93.54	96.58	95.56	96.67	93.17	91.17	93.60	95.92	95.17	97.01
716.849	95.87	92.90	96.07	94.92	96.03	91.53	89.06	91.95	94.85	93.71	95.66
653.008	95.30	92.03	95.39	94.14	95.09	89.54	86.46	89.66	93.24	91.76	93.85
594.852	94.62	90.99	94.62	93.31	93.94	87.15	83.22	86.58	90.91	89.16	91.59
541.876	94.03	90.05	93.98	92.69	92.87	84.39	79.43	82.84	87.87	85.90	89.01
493.617	93.65	89.37	93.57	92.47	92.18	81.38	75.17	78.62	84.23	82.00	86.23
449.657	93.34	88.82	93.22	92.40	91.86	78.14	70.52	74.07	80.03	77.49	83.35
409.611	92.66	87.98	92.51	92.08	91.56	74.54	65.46	69.20	75.23	72.35	80.43
373.132	90.79	86.14	90.67	90.57	90.70	70.33	59.92	63.91	69.76	66.56	77.51
339.902	86.83	82.47	86.86	86.92	88.27	65.21	53.91	58.11	63.58	60.17	74.58
309.631	80.28	76.46	80.56	80.55	83.51	59.01	47.58	51.90	56.83	53.34	71.64
282.056	71.28	68.19	71.83	71.48	76.07	51.76	41.17	45.50	49.77	46.34	68.69
256.936	60.57	58.27	61.28	60.39	66.26	43.76	34.98	39.22	42.72	39.43	65.76
234.054	49.29	47.71	49.94	48.42	54.89	35.49	29.17	33.29	35.93	32.82	62.91
213.21	38.60	37.58	38.95	36.88	43.18	27.53	23.84	27.80	29.53	26.65	60.22
194.222	29.37	28.71	29.24	26.85	32.33	20.42	18.98	22.78	23.56	20.96	57.79
176.925	21.94	21.51	21.33	18.94	23.27	14.53	14.65	18.21	18.07	15.83	55.71
161.168	16.26	15.97	15.32	13.24	16.43	10.01	10.93	14.18	13.18	11.38	54.00
146.815	12.02	11.87	11.00	9.43	11.73	6.79	7.99	10.84	9.11	7.78	52.67
133.74	8.93	8.96	8.02	7.01	8.77	4.71	5.93	8.34	6.07	5.16	51.62
121.829	6.78	6.99	6.07	5.50	7.00	3.48	4.69	6.69	4.11	3.52	50.78
110.979	5.38	5.74	4.83	4.55	5.93	2.81	4.06	5.74	3.05	2.66	50.03
101.096	4.54	4.99	4.05	3.90	5.20	2.43	3.75	5.21	2.57	2.28	49.31
92.0923	**4.06**	**4.52**	**3.56**	**3.43**	**4.63**	**2.19**	**3.56**	**4.88**	**2.38**	**2.12**	**48.56**
83.8907	3.78	4.21	3.23	3.07	4.15	2.01	3.42	4.63	2.28	2.03	47.75
76.4196	3.60	3.98	3.00	2.81	3.78	1.86	3.30	4.43	2.20	1.95	46.84
69.6138	3.44	3.79	2.82	2.62	3.48	1.74	3.20	4.25	2.12	1.87	45.83
63.4141	**3.29**	**3.61**	**2.67**	**2.46**	**3.25**	**1.65**	**3.11**	**4.07**	**2.03**	**1.79**	**44.70**
57.7666	3.14	3.44	2.52	2.32	3.05	1.57	3.02	3.91	1.96	1.72	43.45
52.622	3.00	3.29	2.39	2.19	2.87	1.50	2.95	3.76	1.91	1.67	42.08
47.9356	2.89	3.15	2.29	2.07	2.71	1.45	2.89	3.64	1.89	1.64	40.62
43.6665	2.79	3.04	2.20	1.97	2.57	1.41	2.84	3.53	1.87	1.62	39.09
39.7777	**2.70**	**2.93**	**2.12**	**1.88**	**2.44**	**1.37**	**2.79**	**3.42**	**1.84**	**1.60**	**37.51**
36.2352	2.61	2.82	2.03	1.79	2.31	1.32	2.73	3.31	1.81	1.56	35.89
33.0081	2.53	2.72	1.96	1.71	2.19	1.28	2.66	3.19	1.77	1.52	34.25
30.0685	2.45	2.63	1.89	1.63	2.08	1.24	2.59	3.08	1.74	1.49	32.58
27.3906	2.38	2.55	1.83	1.57	1.99	1.20	2.53	2.98	1.71	1.46	30.91
24.9513	2.31	2.47	1.77	1.51	1.90	1.17	2.47	2.88	1.68	1.43	29.22
22.7292	2.24	2.40	1.72	1.46	1.82	1.14	2.41	2.77	1.65	1.39	27.54
20.705	2.17	2.32	1.66	1.40	1.74	1.10	2.33	2.66	1.61	1.35	25.90
18.861	2.10	2.23	1.61	1.35	1.66	1.06	2.25	2.55	1.55	1.30	24.30
17.1813	2.02	2.14	1.55	1.29	1.58	1.02	2.15	2.42	1.49	1.24	22.78
15.6512	1.93	2.06	1.48	1.24	1.50	0.98	2.05	2.30	1.43	1.19	21.35
14.2573	1.84	1.97	1.42	1.18	1.42	0.93	1.95	2.18	1.36	1.12	20.01
12.9876	1.75	1.88	1.36	1.13	1.35	0.88	1.86	2.06	1.29	1.06	18.76
11.8309	1.66	1.79	1.29	1.07	1.28	0.84	1.76	1.95	1.21	1.00	17.57
10.7773	1.56	1.69	1.23	1.02	1.21	0.79	1.66	1.84	1.14	0.94	16.42
9.81748	1.46	1.60	1.16	0.96	1.14	0.74	1.57	1.73	1.06	0.88	15.29
8.94315	1.36	1.49	1.09	0.90	1.08	0.69	1.46	1.62	0.98	0.81	14.20
8.14669	1.26	1.39	1.01	0.85	1.01	0.65	1.36	1.51	0.90	0.75	13.13
7.42117	1.15	1.28	0.94	0.79	0.94	0.60	1.25	1.39	0.82	0.68	12.11
6.76025	1.05	1.18	0.87	0.73	0.87	0.55	1.15	1.28	0.74	0.62	11.14
6.1582	0.95	1.07	0.80	0.68	0.80	0.50	1.04	1.17	0.67	0.56	10.22
5.60976	0.85	0.97	0.73	0.62	0.74	0.46	0.94	1.06	0.60	0.50	9.37
5.11017	0.76	0.87	0.66	0.57	0.68	0.41	0.85	0.96	0.53	0.45	8.58
4.65506	0.68	0.78	0.60	0.52	0.62	0.37	0.76	0.87	0.47	0.40	7.86
4.24049	0.61	0.70	0.54	0.47	0.56	0.33	0.68	0.78	0.41	0.35	7.20
3.86284	0.54	0.63	0.48	0.43	0.51	0.30	0.61	0.71	0.36	0.31	6.60
3.51883	0.48	0.56	0.43	0.38	0.46	0.27	0.55	0.64	0.31	0.27	6.03
3.20545	0.42	0.49	0.39	0.34	0.42	0.24	0.49	0.58	0.27	0.24	5.48
2.91998	0.37	0.44	0.34	0.31	0.37	0.21	0.43	0.52	0.24	0.21	4.95
2.65993	0.32	0.38	0.30	0.27	0.33	0.18	0.38	0.46	0.20	0.18	4.40
2.42304	0.28	0.33	0.26	0.24	0.29	0.16	0.33	0.40	0.17	0.15	3.85
2.20725	0.24	0.28	0.22	0.21	0.25	0.14	0.28	0.34	0.14	0.13	3.29
2.01068	0.20	0.23	0.18	0.17	0.21	0.11	0.23	0.28	0.11	0.10	2.75
1.83161	0.16	0.19	0.15	0.14	0.17	0.09	0.18	0.23	0.09	0.08	2.23
1.66849	0.13	0.15	0.12	0.12	0.14	0.07	0.14	0.18	0.07	0.06	1.74
1.5199	0.10	0.11	0.09	0.09	0.11	0.06	0.10	0.13	0.05	0.04	1.28
1.38454	0.07	0.08	0.07	0.07	0.08	0.04	0.07	0.09	0.03	0.03	0.85
1.26123	0.04	0.05	0.04	0.05	0.05	0.03	0.04	0.05	0.02	0.02	0.50
1.14891	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.01	0.01	0.24
1.04659	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.08
0.953383	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.02
0.868477	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.791132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.720675	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.656493	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.598027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.544768	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.496252	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.452057	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.411798	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.375124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.341716	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.311283	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.283561	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.258308	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.235303	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.214348	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.195258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.177869	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.162028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.147598	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.134454	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.122479	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.111572	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.101635	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.092584	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.084339	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.076828	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.069985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.063753	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.058075	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.052903	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.048192	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0439	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.03999	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Size	Coarsest Sample	Averaged Sample	Finest Sample
2000	100.00	100.00	100.00
1821.88	99.13	99.85	100.00
1659.63	98.26	99.69	100.00
1511.83	97.56	99.55	100.00
1377.19	97.08	99.42	100.00
1254.54	96.67	99.20	99.91
1142.81	96.15	98.68	99.47
1041.03	95.44	97.83	99.08
948.322	94.69	96.84	98.59
863.866	93.07	95.90	97.94
786.932	91.17	94.97	97.01
716.849	89.06	93.87	96.07
653.008	86.46	92.40	95.39
594.852	83.22	90.55	94.62
541.876	79.43	88.46	94.03
493.617	75.17	86.26	93.65
449.657	70.52	83.93	93.34
409.611	65.46	81.27	92.66
373.132	59.92	77.90	90.79
339.902	53.91	73.36	88.27
309.631	47.58	67.42	83.51
282.056	41.17	60.19	76.07
256.936	34.98	52.06	66.26
234.054	29.17	43.62	62.91
213.21	23.84	35.52	60.22
194.222	18.98	28.27	57.79
176.925	14.53	22.18	55.71
161.168	10.01	17.35	54.00
146.815	6.79	13.75	52.67
133.74	4.71	11.23	51.62
121.829	3.48	9.60	50.78
110.979	2.66	8.62	50.03
101.096	2.28	8.02	49.31
92.0923	2.12	7.63	48.56
83.8907	2.01	7.32	47.75
76.4196	1.86	7.07	46.84
69.6138	1.74	6.83	45.83
63.4141	1.65	6.60	44.70
57.7666	1.57	6.37	43.45
52.622	1.50	6.15	42.08
47.9356	1.45	5.93	40.62
43.6665	1.41	5.72	39.09
39.7777	1.37	5.51	37.51
36.2352	1.32	5.29	35.89
33.0081	1.28	5.07	34.25
30.0685	1.24	4.86	32.58
27.3906	1.20	4.65	30.91
24.9513	1.17	4.44	29.22
22.7292	1.14	4.23	27.54
20.705	1.10	4.02	25.90
18.861	1.06	3.81	24.30
17.1813	1.02	3.61	22.78
15.6512	0.98	3.41	21.35
14.2573	0.93	3.22	20.01
12.9876	0.88	3.03	18.76
11.8309	0.84	2.86	17.57
10.7773	0.79	2.68	16.42
9.81748	0.74	2.51	15.29
8.94315	0.69	2.34	14.20
8.14669	0.65	2.16	13.13
7.42117	0.60	2.00	12.11
6.76025	0.55	1.83	11.14
6.1582	0.50	1.68	10.22
5.60976	0.46	1.53	9.37
5.11017	0.41	1.39	8.58
4.65506	0.37	1.27	7.86
4.24049	0.33	1.15	7.20
3.86284	0.30	1.04	6.60
3.51883	0.27	0.94	6.03
3.20545	0.24	0.85	5.48
2.91998	0.21	0.76	4.95
2.65993	0.18	0.67	4.40
2.42304	0.15	0.59	3.85
2.20725	0.13	0.50	3.29
2.01068	0.10	0.42	2.75
1.83161	0.08	0.34	2.23
1.66849	0.06	0.26	1.74
1.5199	0.04	0.20	1.28
1.38454	0.03	0.13	0.85
1.26123	0.02	0.08	0.50
1.14891	0.01	0.04	0.24
1.04659	0.00	0.02	0.08
0.953383	0.00	0.01	0.02
0.868477	0.00	0.00	0.00
0.791132	0.00	0.00	0.00
0.720675	0.00	0.00	0.00
0.656493	0.00	0.00	0.00
0.598027	0.00	0.00	0.00
0.544768	0.00	0.00	0.00
0.496252	0.00	0.00	0.00
0.452057	0.00	0.00	0.00
0.411798	0.00	0.00	0.00
0.375124	0.00	0.00	0.00
0.341716	0.00	0.00	0.00
0.311283	0.00	0.00	0.00
0.283561	0.00	0.00	0.00
0.258308	0.00	0.00	0.00
0.235303	0.00	0.00	0.00
0.214348	0.00	0.00	0.00
0.195258	0.00	0.00	0.00
0.177869	0.00	0.00	0.00
0.162028	0.00	0.00	0.00
0.147598	0.00	0.00	0.00
0.134454	0.00	0.00	0.00
0.122479	0.00	0.00	0.00
0.111572	0.00	0.00	0.00
0.101635	0.00	0.00	0.00
0.0925838	0.00	0.00	0.00
0.0843385	0.00	0.00	0.00
0.0768275	0.00	0.00	0.00
0.0699854	0.00	0.00	0.00
0.0637526	0.00	0.00	0.00
0.0580749	0.00	0.00	0.00
0.0529029	0.00	0.00	0.00
0.0481915	0.00	0.00	0.00
0.0438996	0.00	0.00	0.00
0.03999	0.00	0.00	0.00

Size	Coarsest Sample	Averaged Sample	Finest Sample
2000	100.00	100.00	100.00
1821.88	99.13	99.83	99.13
1659.63	98.26	99.66	98.26
1511.83	97.56	99.50	97.56
1377.19	97.08	99.37	97.08
1254.54	96.67	99.14	96.67
1142.81	96.15	98.60	96.15
1041.03	95.44	97.71	95.44
948.322	94.69	96.67	94.69
863.866	93.07	95.69	93.07
786.932	91.17	94.77	91.17
716.849	89.06	93.69	89.06
653.008	86.46	92.26	86.46
594.852	83.22	90.45	83.22
541.876	79.43	88.40	79.43
493.617	75.17	86.26	75.17
449.657	70.52	83.99	70.52
409.611	65.46	81.36	65.46
373.132	59.92	77.93	59.92
339.902	53.91	73.23	53.91
309.631	47.58	67.00	47.58
282.056	41.17	59.34	41.17
256.936	34.98	50.69	34.98
234.054	29.17	41.70	29.17
213.21	23.84	33.05	23.84
194.222	18.98	25.32	18.98
176.925	14.53	18.83	14.53
161.168	10.01	13.69	10.01
146.815	6.79	9.85	6.79
133.74	4.71	7.19	4.71
121.829	3.48	5.48	3.48
110.979	2.66	4.48	2.66
101.096	2.28	3.89	2.28
92.0923	2.12	3.53	2.12
83.8907	2.01	3.28	2.01
76.4196	1.86	3.09	1.86
69.6138	1.74	2.93	1.74
63.4141	1.65	2.79	1.65
57.7666	1.57	2.66	1.57
52.622	1.50	2.55	1.50
47.9356	1.45	2.46	1.45
43.6665	1.41	2.38	1.41
39.7777	1.37	2.31	1.37
36.2352	1.32	2.23	1.32
33.0081	1.28	2.15	1.28
30.0685	1.24	2.08	1.24
27.3906	1.20	2.02	1.20
24.9513	1.17	1.96	1.17
22.7292	1.14	1.90	1.14
20.705	1.10	1.84	1.10
18.861	1.06	1.77	1.06
17.1813	1.02	1.69	1.02
15.6512	0.98	1.62	0.98
14.2573	0.93	1.54	0.93
12.9876	0.88	1.46	0.88
11.8309	0.84	1.39	0.84
10.7773	0.79	1.31	0.79
9.81748	0.74	1.23	0.74
8.94315	0.69	1.15	0.69
8.14669	0.65	1.07	0.65
7.42117	0.60	0.99	0.60
6.76025	0.55	0.90	0.55
6.1582	0.50	0.82	0.50
5.60976	0.46	0.75	0.46
5.11017	0.41	0.67	0.41
4.65506	0.37	0.61	0.37
4.24049	0.33	0.54	0.33
3.86284	0.30	0.49	0.30
3.51883	0.27	0.44	0.27
3.20545	0.24	0.39	0.24
2.91998	0.21	0.34	0.21
2.65993	0.18	0.30	0.18
2.42304	0.15	0.26	0.15
2.20725	0.13	0.22	0.13
2.01068	0.10	0.18	0.10
1.83161	0.08	0.15	0.08
1.66849	0.06	0.12	0.06
1.5199	0.04	0.09	0.04
1.38454	0.03	0.06	0.03
1.26123	0.02	0.04	0.02
1.14891	0.01	0.02	0.01
1.04659	0.00	0.01	0.00
0.953383	0.00	0.00	0.00
0.868477	0.00	0.00	0.00
0.791132	0.00	0.00	0.00
0.720675	0.00	0.00	0.00
0.656493	0.00	0.00	0.00
0.598027	0.00	0.00	0.00
0.544768	0.00	0.00	0.00
0.496252	0.00	0.00	0.00
0.452057	0.00	0.00	0.00
0.411798	0.00	0.00	0.00
0.375124	0.00	0.00	0.00
0.341716	0.00	0.00	0.00
0.311283	0.00	0.00	0.00
0.283561	0.00	0.00	0.00
0.258308	0.00	0.00	0.00
0.235303	0.00	0.00	0.00
0.214348	0.00	0.00	0.00
0.195258	0.00	0.00	0.00
0.177869	0.00	0.00	0.00
0.162028	0.00	0.00	0.00
0.147598	0.00	0.00	0.00
0.134454	0.00	0.00	0.00
0.122479	0.00	0.00	0.00
0.111572	0.00	0.00	0.00
0.101635	0.00	0.00	0.00
0.0925838	0.00	0.00	0.00
0.0843385	0.00	0.00	0.00
0.0768275	0.00	0.00	0.00
0.0699854	0.00	0.00	0.00
0.0637526	0.00	0.00	0.00
0.0580749	0.00	0.00	0.00
0.0529029	0.00	0.00	0.00
0.0481915	0.00	0.00	0.00
0.0438996	0.00	0.00	0.00
0.03999	0.00	0.00	0.00

Samples from 0 to 11m

	CoarsestSample	AveragedSample	FinestSample
2000	100.00	100.00	100.00
1000	95.19	97.41	98.89
710	88.82	93.74	95.99
500	75.78	86.57	93.70
355	56.76	75.64	89.64
250	33.23	49.58	64.74
212	23.52	35.05	60.05
150	7.42	14.47	52.95
125	3.77	9.97	51.00
106	2.43	8.29	49.68
90	2.09	7.55	48.37
63	1.64	6.59	44.61
45	1.42	5.79	39.59
38	1.35	5.40	36.72
31	1.25	4.93	33.13
16	0.99	3.46	21.68
8	0.64	2.13	12.93
4	0.31	1.08	6.82
2	0.10	0.41	2.72

Size	STH010RC 0-10m	STH010RC 0-11m
10000	100.00	100.00
2000	98.94	98.94
1000	96.23	96.37
710	92.57	92.74
500	85.65	85.65
355	74.80	74.84
250	47.54	49.06
212	32.21	34.68
150	10.51	14.32
125	5.81	9.87
106	4.11	8.20
90	3.43	7.47
63	2.75	6.52
45	2.38	5.73
38	2.25	5.34
31	2.08	4.87
16	1.62	3.42
8	1.04	2.11
4	0.50	1.07
2	0.18	0.41

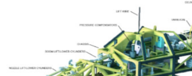
STH010RC
>2mm
98.94%

Sample from 0-10m

	CoarsestSample	AveragedSample	FinestSample
2000	100.00	**100.00**	100.00
1000	95.19	**97.26**	95.19
710	88.82	**93.56**	88.82
500	75.78	**86.56**	75.78
355	56.76	**75.61**	56.76
250	33.23	**48.05**	33.23
212	23.52	**32.55**	23.52
150	7.42	**10.63**	7.42
125	3.77	**5.87**	3.77
106	2.43	**4.15**	2.43
90	2.09	**3.46**	2.09
63	1.64	**2.78**	1.64
45	1.42	**2.41**	1.42
38	1.35	**2.27**	1.35
31	1.25	**2.10**	1.25
16	0.99	**1.63**	0.99
8	0.64	**1.05**	0.64
4	0.31	**0.51**	0.31
2	0.10	**0.18**	0.10

Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	**Average**		
Sand	96.6%	96.2%	97.2%	97.4%	96.5%	98.3%	96.8%	95.8%	97.9%	98.1%	53.2%	**93.1%**		
Mud (<63µm)	3.4%	3.8%	2.8%	2.6%	3.5%	1.7%	3.2%	4.2%	2.1%	1.9%	46.8%	**6.9%**		
<36µm	2.6%	2.8%	2.0%	1.8%	2.3%	1.3%	2.7%	3.3%	1.8%	1.6%	37.5%	**5.4%**		
<90µm	4.1%	4.5%	3.6%	3.4%	4.6%	2.2%	3.6%	4.9%	2.4%	2.3%	49.3%	**7.7%**		

Sth010RC	Sand	Mud (<63µm)	<36µm	<90µm	
0-1m	96.6%	3.4%	2.6%	4.1%	**Mining Face**
1-2m	96.2%	3.8%	2.8%	4.5%	
2-3m	97.2%	2.8%	2.0%	3.6%	
3-4m	97.4%	2.6%	1.8%	3.4%	
4-5m	96.5%	3.5%	2.3%	4.6%	
5-6m	98.3%	1.7%	1.3%	2.2%	
6-7m	96.8%	3.2%	2.7%	3.6%	
7-8m	95.8%	4.2%	3.3%	4.9%	
8-9m	97.9%	2.1%	1.8%	2.4%	
9-10m	98.1%	1.9%	1.6%	2.3%	
10-11m	53.2%	46.8%	37.5%	49.3%	**Muddy Material**
ROM	**93.1%**	**6.9%**	**5.4%**	**7.7%**	



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Raw PSD Data Sth012RC

Size	STH012000001	STH012001002	STH012002003 AVE	STH012003004	STH012004005	STH012005006	STH012006007_AV
2000							
1821.88	0.0432904	0	0	0	0	0	0
1659.63	0.0590462	0	0	0	0	0	0
1511.83	0.117143	0	0	0	0	0	0
1377.19	0.234494	0.00550998	0.000085263	0	0.00089181	0	0
1254.54	0.464938	0.0893216	0.016520517	0.0128365	0.0374485	0.0157699	0
1142.81	0.854016	0.329947	0.167041667	0.148259	0.229736	0.200742	0
1041.03	1.33704	0.582445	0.410428667	0.357334	0.457417	0.521207	0
948.322	1.83086	0.684148	0.501646333	0.420532	0.461449	0.584195	0.000553069
863.866	2.3084	0.622667	0.450487333	0.380963	0.299165	0.409595	0.007799046
786.932	2.81635	0.527136	0.377408	0.352477	0.175661	0.250385	0.04726044
716.849	3.39762	0.541753	0.399998	0.431826	0.206322	0.248731	0.1491576
653.008	4.02544	0.758305	0.570618667	0.645928	0.415657	0.410029	0.3078556
594.852	4.63022	1.25522	0.920137667	0.987777	0.766922	0.654118	0.4711842
541.876	5.16272	2.11107	1.505676667	1.49716	1.21407	0.892608	0.6000428
493.617	5.63241	3.38018	2.42014	2.28256	1.81703	1.18313	0.702609
449.657	6.08842	5.04016	3.73909	3.46274	2.71296	1.70316	0.8217
409.611	6.56498	6.93384	5.431286667	5.06044	4.0137	2.65303	1.01394532
373.132	7.0311	8.76391	7.300186667	6.91924	5.68687	4.11508	1.33747936
339.902	7.37703	10.1628	9.00869	8.71035	7.5	5.93478	1.8409834
309.631	7.45369	10.8144	10.18553333	10.0378	9.08022	7.74946	2.506566
282.056	7.14401	10.5707	10.56423333	10.5908	10.0617	9.14446	3.201204
256.936	6.42245	9.50207	10.07796667	10.2559	10.2272	9.8193	3.707728
234.054	5.37401	7.86411	8.871266667	9.14393	9.57596	9.6831	3.869134
213.21	4.16433	6.00147	7.23341	7.53316	8.30046	8.85173	3.641924
194.222	2.98143	4.23721	5.49255	5.76341	6.6995	7.57556	3.117568
176.925	1.97876	2.7934	3.921253333	4.13241	5.07858	6.14261	2.472154
161.168	1.23405	1.75346	2.67264	2.81899	3.66026	4.77786	1.8717
146.815	0.744186	1.08086	1.772913333	1.86623	2.54387	3.5933	1.4119
133.74	0.454328	0.679081	1.168426667	1.22653	1.73071	2.61913	1.106988
121.829	0.294097	0.446677	0.779887667	0.818733	1.17254	1.85762	0.9324414
110.979	0.207076	0.311309	0.539848333	0.569852	0.812226	1.3085	0.8509548
101.096	0.158495	0.231431	0.399732333	0.425261	0.597178	0.955776	0.8329546
92.0923	0.127246	0.180994	0.318907333	0.339585	0.472965	0.745757	0.8628574
83.8907	0.10239	0.144947	0.26617	0.27967	0.392121	0.609581	0.9306924
76.4196	0.0806442	0.116382	0.224712667	0.23021	0.329249	0.505763	1.0294438
69.6138	0.0630548	0.0937172	0.190195667	0.189835	0.278874	0.424468	1.152434
63.4141	0.051554	0.0779122	0.163714333	0.161043	0.241672	0.363657	1.291562
57.7666	0.0448551	0.0667912	0.142923333	0.140522	0.213217	0.31463	1.436136
52.622	0.0407073	0.0578557	0.124207	0.122775	0.1871	0.267217	1.572992
47.9356	0.0381228	0.0509196	0.107254333	0.106312	0.162148	0.220604	1.686134
43.6665	0.0363571	0.0458775	0.0930935	0.0920937	0.140608	0.181292	1.771392
39.7777	0.0351466	0.0426833	0.082851867	0.0817083	0.124889	0.154871	1.830536
36.2352	0.0340622	0.0404449	0.0757293	0.0746656	0.11415	0.139606	1.876038
33.0081	0.0323745	0.0376214	0.0692409	0.0684176	0.10466	0.128263	1.921158
30.0685	0.0302305	0.0340152	0.062451867	0.0618898	0.0947208	0.116609	1.965592
27.3906	0.0283949	0.0305979	0.056096567	0.0557909	0.0852011	0.105088	2.012084
24.9513	0.02754	0.0284774	0.0512937	0.0512262	0.0776114	0.0957104	2.04389
22.7292	0.0277817	0.0280042	0.048448633	0.0485967	0.0725752	0.0895217	2.060474
20.705	0.0286467	0.0286763	0.046978033	0.0473145	0.0694013	0.0858034	2.053038
18.861	0.0295828	0.0298247	0.046106133	0.0465723	0.067089	0.0832343	2.021172
17.1813	0.0301801	0.0308464	0.045150433	0.0456694	0.0647474	0.080531	1.971306
15.6512	0.0302901	0.0314495	0.043834367	0.0443352	0.0620327	0.0771851	1.900544
14.2573	0.0299968	0.0316638	0.042250267	0.0426876	0.0590714	0.0733384	1.824058
12.9876	0.0294442	0.0316419	0.0406226	0.0409805	0.0561709	0.069462	1.744708
11.8309	0.0288122	0.0316344	0.039273867	0.0395622	0.0537679	0.0662286	1.672512
10.7773	0.028197	0.031772	0.038355067	0.0385973	0.0520592	0.0639493	1.617446
9.81748	0.027625	0.0320767	0.0378798	0.0380984	0.0510567	0.0626756	1.56834
8.94315	0.0270447	0.0324523	0.037694233	0.0379049	0.0505252	0.062069	1.533484
8.14669	0.0263424	0.0327165	0.0375342	0.037745	0.0500748	0.0615737	1.489198
7.42117	0.0254627	0.0327666	0.037236633	0.0374531	0.0494641	0.0608479	1.441736
6.76025	0.0243644	0.0325146	0.036670067	0.0368932	0.0485012	0.0596231	1.381
6.1582	0.0230468	0.0319337	0.035786133	0.036014	0.0471145	0.0578036	1.309326
5.60976	0.0215345	0.0310327	0.034589867	0.0348184	0.0453142	0.055414	1.234536
5.11017	0.0198607	0.0298306	0.033104967	0.0333284	0.0431379	0.0525171	1.145474
4.65506	0.0181011	0.0284079	0.031430933	0.0316462	0.0407366	0.0493436	1.0659134
4.24049	0.0163299	0.026849	0.0296697	0.0298765	0.0382623	0.0461254	0.9768674
3.86284	0.0146211	0.0252421	0.027918967	0.0281224	0.0358542	0.0430596	0.9083854
3.51883	0.0130662	0.0237084	0.026312067	0.0265266	0.0337017	0.0404191	0.8377156
3.20545	0.0117395	0.0223547	0.024962233	0.0252119	0.0319636	0.0384285	0.789713
2.91998	0.0106781	0.0212368	0.023923133	0.0242356	0.0307133	0.0371912	0.7471854
2.65993	0.00989811	0.0203816	0.0232061	0.0236117	0.0299533	0.0366871	0.7275842
2.42304	0.00937104	0.0197476	0.0227282	0.023256	0.0295328	0.0366368	0.719133
2.20725	0.00903924	0.0192476	0.022347433	0.0230195	0.0292067	0.0366088	0.713174
2.01068	0.00882443	0.018767	0.021902133	0.0227294	0.0287155	0.0361733	0.6962156
1.83161	0.00865704	0.0182167	0.021284333	0.0222637	0.0279043	0.035115	0.6573714
1.66849	0.00849617	0.0175644	0.0204793	0.021597	0.0267843	0.0335205	0.6133132
1.5199	0.00830522	0.0167843	0.019483433	0.0207154	0.0253852	0.0315125	0.5636428
1.38454	0.00801709	0.0157952	0.018214867	0.0195232	0.0236066	0.0289841	0.519738
1.26123	0.00752278	0.0144424	0.016493133	0.0178192	0.0211908	0.0255675	0.4566584
1.14891	0.00673877	0.0126188	0.014212	0.015479	0.0180083	0.0211236	0.3700034
1.04659	0.00562927	0.010301	0.0113933	0.0125123	0.0141502	0.0159082	0.2581182
0.953383	0.00422111	0.00756759	0.008190237	0.00907047	0.00990887	0.0104989	0.1400862
0.868477	0.00254895	0.00449714	0.004761417	0.00531369	0.00559788	0.00552554	0.05310662
0.791132	0.00082758	0.001446	0.00150561	0.00168903	0.00172935	0.00160492	0.01017873
0.720675	6.15014E-05	0.000106917	0.00011016	0.000123904	0.000124597	0.00011098	0.000820932
0.656493	0	0	0	0	0	0	0
0.598027	0	0	0	0	0	0	0
0.544768	0	0	0	0	0	0	0
0.496252	0	0	0	0	0	0	0
0.452057	0	0	0	0	0	0	0
0.411798	0	0	0	0	0	0	0
0.375124	0	0	0	0	0	0	0
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Sand	98.96	98.61	97.90	97.89	97.01	96.14	40.80
Mud (<63µm	1.04	1.39	2.10	2.11	2.99	3.86	59.20
<36µm							
<90µm							

Sixe	STH012000001	STH01200	STH01200	STH01200	STH01200	STH01200	STH012006007_AV
2000	100	100	100	100	100	100	100
1821.88	99.9567096	100	100	100	100	100	100
1659.63	99.8976634	100	100	100	100	100	100
1511.83	99.7805204	100	100	100	100	100	100
1377.19	99.5460264	99.99449	99.99991	100	99.99911	100	100
1254.54	99.0810884	99.90517	99.98339	99.98716	99.96166	99.98423	100
1142.81	98.2270724	99.57522	99.81635	99.8389	99.73192	99.78349	100
1041.03	96.8900324	98.99278	99.40592	99.48157	99.27451	99.26228	100
948.322	95.0591724	98.30863	98.90428	99.06104	98.81306	98.67809	99.99945
863.866	92.7507724	97.68596	98.45379	98.68008	98.51389	98.26849	99.99165
786.932	89.9344224	97.15883	98.07638	98.3276	98.33823	98.01811	99.94439
716.849	86.5368024	96.61707	97.67638	97.89577	98.13191	97.76938	99.79523
653.008	82.5113624	95.85877	97.10577	97.24984	97.71625	97.35935	99.48737
594.852	77.8811424	94.60355	96.18563	96.26207	96.94933	96.70523	99.01619
541.876	72.7184224	92.49248	94.67995	94.76491	95.73526	95.81262	98.41615
493.617	67.0860124	89.1123	92.25981	92.48235	93.91823	94.62949	97.71354
449.657	60.9975924	84.07214	88.52072	89.01961	91.20527	92.92633	96.89184
409.611	54.4326124	77.1383	83.08943	83.95917	87.19157	90.2733	95.87789
373.132	47.4015124	68.37439	75.78925	77.03993	81.5047	86.15822	94.54041
339.902	40.0244824	58.21159	66.78056	68.32958	74.0047	80.22344	92.69943
309.631	32.5707924	47.39719	56.59502	58.29178	64.92448	72.47398	90.19286
282.056	25.4267824	36.82649	46.03079	47.70098	54.86278	63.32952	86.99166
256.936	19.0043324	27.32442	35.95282	37.44508	44.63558	53.51022	83.28393
234.054	13.6303224	19.46031	27.08156	28.30115	35.05962	43.82712	79.4148
213.21	9.4659924	13.45884	19.84815	20.76799	26.75916	34.97539	75.77287
194.222	6.4845624	9.221627	14.3556	15.00458	20.05966	27.39983	72.65531
176.925	4.5058024	6.428227	10.43434	10.87217	14.98108	21.25722	70.18315
161.168	3.2717524	4.674767	7.761705	8.053178	11.32082	16.47936	68.31145
146.815	2.5275664	3.593907	5.988791	6.186948	8.776951	12.88606	66.89955
133.74	2.0732384	2.914826	4.820365	4.960418	7.046241	10.26693	65.79256
121.829	1.7791414	2.468149	4.040477	4.141685	5.873701	8.40931	64.86012
110.979	1.5720654	2.15684	3.500629	3.571833	5.061475	7.10081	64.00917
101.096	1.4135704	1.925409	3.100896	3.146572	4.464297	6.145034	63.17621
92.0923	1.2863244	1.744415	2.781989	2.806987	3.991332	5.399277	62.31336
83.8907	1.1839344	1.599468	2.515819	2.527317	3.599211	4.789696	61.38266
76.4196	1.1032902	1.483086	2.291106	2.297107	3.269962	4.283933	60.35322
69.6138	1.0402354	1.389369	2.100911	2.107272	2.991088	3.859465	59.20079
63.4141	0.9886814	1.311457	1.937196	1.946229	2.749416	3.495808	57.90922
57.7666	0.9438263	1.244666	1.794273	1.805707	2.536199	3.181178	56.47309
52.622	0.903119	1.18681	1.670066	1.682932	2.349099	2.913961	54.9001
47.9356	0.8649962	1.135891	1.562812	1.57662	2.186951	2.693357	53.21396
43.6665	0.8286391	1.090013	1.469718	1.484526	2.046343	2.512065	51.44257
39.7777	0.7934925	1.04733	1.386866	1.402818	1.921454	2.357194	49.61203
36.2352	0.7594303	1.006885	1.311137	1.328152	1.807304	2.217588	47.736
33.0081	0.7270558	0.969263	1.241896	1.259734	1.702644	2.089325	45.81484
30.0685	0.6968253	0.935248	1.179444	1.197845	1.607923	1.972716	43.84925
27.3906	0.6684304	0.90465	1.123348	1.142054	1.522722	1.867628	41.83716
24.9513	0.6408904	0.876173	1.072054	1.090827	1.44511	1.771918	39.79327
22.7292	0.6131087	0.848169	1.023605	1.042231	1.372535	1.682396	37.7328
20.705	0.584462	0.819492	0.976627	0.994916	1.303134	1.596593	35.67976
18.861	0.5548792	0.789668	0.930521	0.948344	1.236045	1.513358	33.65859
17.1813	0.5246991	0.758821	0.885371	0.902675	1.171297	1.432827	31.68728
15.6512	0.494409	0.727372	0.841536	0.858339	1.109265	1.355642	29.78674
14.2573	0.4644122	0.695708	0.799286	0.815652	1.050193	1.282304	27.96268
12.9876	0.434968	0.664066	0.758663	0.774671	0.994022	1.212842	26.21797
11.8309	0.4061558	0.632432	0.71939	0.735109	0.940255	1.146613	24.54546
10.7773	0.3779588	0.60066	0.681034	0.696512	0.888195	1.082664	22.92801
9.81748	0.3503338	0.568583	0.643155	0.658413	0.837139	1.019988	21.35967
8.94315	0.3232891	0.536131	0.60546	0.620508	0.786613	0.957919	19.82619
8.14669	0.2969467	0.503414	0.567926	0.582763	0.736539	0.896346	18.33699
7.42117	0.271484	0.470648	0.53069	0.54531	0.687075	0.835498	16.89526
6.76025	0.2471196	0.438133	0.49402	0.508417	0.638573	0.775875	15.51426
6.1582	0.2240728	0.406199	0.458233	0.472403	0.591459	0.718071	14.20493
5.60976	0.2025383	0.375167	0.423644	0.437585	0.546145	0.662657	12.97039
5.11017	0.1826776	0.345336	0.390539	0.404256	0.503007	0.61014	11.82492
4.65506	0.1645765	0.316928	0.359108	0.37261	0.46227	0.560796	10.75901
4.24049	0.1482466	0.290079	0.329438	0.342734	0.424008	0.514671	9.782139
3.86284	0.1336255	0.264837	0.301519	0.314611	0.388154	0.471611	8.873754
3.51883	0.1205593	0.241129	0.275207	0.288085	0.354452	0.431192	8.036038
3.20545	0.1088198	0.218774	0.250245	0.262873	0.322488	0.392764	7.246325
2.91998	0.0981417	0.197537	0.226322	0.238637	0.291775	0.355572	6.49914
2.65993	0.08824359	0.177156	0.203115	0.215025	0.261822	0.318885	5.771555
2.42304	0.07887255	0.157408	0.180387	0.191769	0.232289	0.282249	5.052422
2.20725	0.06983331	0.13816	0.15804	0.16875	0.203082	0.24564	4.339248
2.01068	0.06100888	0.119393	0.136138	0.146021	0.174367	0.209466	3.643033
1.83161	0.05235184	0.101177	0.114853	0.123757	0.146462	0.174351	2.985661
1.66849	0.04385567	0.083612	0.094374	0.10216	0.119678	0.140831	2.372348
1.5199	0.03555045	0.066828	0.074891	0.081444	0.094293	0.109318	1.808705
1.38454	0.02753336	0.051033	0.056676	0.061921	0.070686	0.080334	1.288967
1.26123	0.02001058	0.03659	0.040183	0.044102	0.049496	0.054767	0.832309
1.14891	0.01327181	0.023972	0.025971	0.028623	0.031487	0.033643	0.462306
1.04659	0.00764254	0.013671	0.014577	0.016111	0.017337	0.017735	0.204187
0.953383	0.00342143	0.006103	0.006387	0.00704	0.007428	0.007236	0.064101
0.868477	0.00087248	0.001606	0.001626	0.001727	0.00183	0.001711	0.010995
0.791132	4.49E-05	0.00016	0.00012	3.75E-05	0.000101	0.000106	0.000816
0.720675	-1.66014E-05	5.29E-05	9.86E-06	-8.6E-05	-2.4E-05	-5.2E-06	-5.1E-06
0.656493	-1.66014E-05	5.29E-05	9.86E-06	-8.6E-05	-2.4E-05	-5.2E-06	-5.1E-06
0.598027	-1.66014E-05	5.29E-05	9.86E-06	-8.6E-05	-2.4E-05	-5.2E-06	-5.1E-06
0.544768	-1.66014E-05	5.29E-05	9.86E-06	-8.6E-05	-2.4E-05	-5.2E-06	-5.1E-06
0.496252	-1.66014E-05	5.29E-05	9.86E-06	-8.6E-05	-2.4E-05	-5.2E-06	-5.1E-06
0.452057	-1.66014E-05	5.29E-05	9.86E-06	-8.6E-05	-2.4E-05	-5.2E-06	-5.1E-06
0.411798	-1.66014E-05	5.29E-05	9.86E-06	-8.6E-05	-2.4E-05	-5.2E-06	-5.1E-06
0.375124	-1.66014E-05	5.29E-05	9.86E-06	-8.6E-05	-2.4E-05	-5.2E-06	-5.1E-06
Total							
Sand							
Mud (<63µm)							
<36µm							
<90µm							

Size	Coarsest Sample	Averaged Sample	Finest Sample
2000	100.00	100.00	100.00
1821.88	99.96	99.99	100.00
1659.63	99.90	99.99	100.00
1511.83	99.78	99.97	100.00
1377.19	99.55	99.93	100.00
1254.54	99.08	99.84	100.00
1142.81	98.23	99.57	100.00
1041.03	96.89	99.04	100.00
948.322	95.06	98.40	100.00
863.866	92.75	97.76	99.99
786.932	89.93	97.11	99.94
716.849	86.54	96.35	99.80
653.008	82.51	95.33	99.49
594.852	77.88	93.94	99.02
541.876	72.72	92.09	98.42
493.617	67.09	89.60	97.71
449.657	61.00	86.23	96.89
409.611	54.43	81.71	95.88
373.132	47.40	75.83	94.54
339.902	40.02	68.61	92.70
309.631	32.57	60.35	90.19
282.056	25.43	51.60	86.99
256.936	19.00	43.02	83.28
234.054	13.63	35.25	79.41
213.21	9.47	28.72	75.77
194.222	6.48	23.60	72.66
176.925	4.51	19.81	70.18
161.168	3.27	17.12	68.31
146.815	2.53	15.27	66.90
133.74	2.07	13.98	65.79
121.829	1.78	13.08	64.86
110.979	1.57	12.42	64.01
101.096	1.41	11.91	63.18
92.0923	1.29	11.47	62.31
83.8907	1.18	11.09	61.38
76.4196	1.10	10.73	60.35
69.6138	1.04	10.38	59.20
63.4141	0.99	10.05	57.91
57.7666	0.94	9.71	56.47
52.622	0.90	9.37	54.90
47.9356	0.86	9.03	53.21
43.6665	0.83	8.70	51.44
39.7777	0.79	8.36	49.61
36.2352	0.76	8.02	47.74
33.0081	0.73	7.69	45.81
30.0685	0.70	7.35	43.85
27.3906	0.67	7.01	41.84
24.9513	0.64	6.67	39.79
22.7292	0.61	6.33	37.73
20.705	0.58	5.99	35.68
18.861	0.55	5.66	33.66
17.1813	0.52	5.34	31.69
15.6512	0.49	5.02	29.79
14.2573	0.46	4.72	27.96
12.9876	0.43	4.44	26.22
11.8309	0.41	4.16	24.55
10.7773	0.38	3.89	22.93
9.81748	0.35	3.63	21.36
8.94315	0.32	3.38	19.83
8.14669	0.30	3.13	18.34
7.42117	0.27	2.89	16.90
6.76025	0.25	2.66	15.51
6.1582	0.22	2.44	14.20
5.60976	0.20	2.23	12.97
5.11017	0.18	2.04	11.82
4.65506	0.16	1.86	10.76
4.24049	0.15	1.69	9.78
3.86284	0.13	1.54	8.87
3.51883	0.12	1.39	8.04
3.20545	0.11	1.26	7.25
2.91998	0.10	1.13	6.50
2.65993	0.09	1.01	5.77
2.42304	0.08	0.88	5.05
2.20725	0.07	0.76	4.34
2.01068	0.06	0.64	3.64
1.83161	0.05	0.53	2.99
1.66849	0.04	0.42	2.37
1.5199	0.04	0.32	1.81
1.38454	0.03	0.23	1.29
1.26123	0.02	0.15	0.83
1.14891	0.01	0.09	0.46
1.04659	0.01	0.04	0.20
0.953383	0.00	0.01	0.06
0.868477	0.00	0.00	0.01
0.791132	0.00	0.00	0.00
0.720675	0.00	0.00	0.00
0.656493	0.00	0.00	0.00
0.598027	0.00	0.00	0.00
0.544768	0.00	0.00	0.00
0.496252	0.00	0.00	0.00
0.452057	0.00	0.00	0.00
0.411798	0.00	0.00	0.00
0.375124	0.00	0.00	0.00
0.341716	0.00	#DIV/0!	0.00
0.311283	0.00	#DIV/0!	0.00
0.283561	0.00	#DIV/0!	0.00
0.258308	0.00	#DIV/0!	0.00
0.235303	0.00	#DIV/0!	0.00
0.214348	0.00	#DIV/0!	0.00
0.195258	0.00	#DIV/0!	0.00
0.177869	0.00	#DIV/0!	0.00
0.162028	0.00	#DIV/0!	0.00
0.147598	0.00	#DIV/0!	0.00
0.134454	0.00	#DIV/0!	0.00
0.122479	0.00	#DIV/0!	0.00
0.111572	0.00	#DIV/0!	0.00
0.101635	0.00	#DIV/0!	0.00
0.0925838	0.00	#DIV/0!	0.00
0.0843385	0.00	#DIV/0!	0.00
0.0768275	0.00	#DIV/0!	0.00
0.0699854	0.00	#DIV/0!	0.00
0.0637526	0.00	#DIV/0!	0.00
0.0580749	0.00	#DIV/0!	0.00
0.0529029	0.00	#DIV/0!	0.00
0.0481915	0.00	#DIV/0!	0.00
0.0438996	0.00	#DIV/0!	0.00
0.03999	0.00	#DIV/0!	0.00

Size	Coarsest Sample	Averaged Sample	Finest Sample
2000	100.00	100.00	100.00
1821.88	99.96	99.99	100.00
1659.63	99.90	99.98	100.00
1511.83	99.78	99.96	100.00
1377.19	99.55	99.92	100.00
1254.54	99.08	99.82	99.99
1142.81	98.23	99.50	99.84
1041.03	96.89	98.88	99.48
948.322	95.06	98.14	99.06
863.866	92.75	97.39	98.68
786.932	89.93	96.64	98.34
716.849	86.54	95.77	98.13
653.008	82.51	94.63	97.72
594.852	77.88	93.10	96.95
541.876	72.72	91.03	95.81
493.617	67.09	88.25	94.63
449.657	61.00	84.46	92.93
409.611	54.43	79.35	90.27
373.132	47.40	72.71	86.16
339.902	40.02	64.60	80.22
309.631	32.57	55.38	72.47
282.056	25.43	45.70	63.33
256.936	19.00	36.31	53.51
234.054	13.63	27.89	43.83
213.21	9.47	20.88	34.98
194.222	6.48	15.42	27.40
176.925	4.51	11.41	21.26
161.168	3.27	8.59	16.48
146.815	2.53	6.66	12.89
133.74	2.07	5.35	10.27
121.829	1.78	4.45	8.41
110.979	1.57	3.83	7.10
101.096	1.41	3.37	6.15
92.0923	1.29	3.00	5.40
83.8907	1.18	2.70	4.79
76.4196	1.10	2.45	4.28
69.6138	1.04	2.25	3.86
63.4141	0.99	2.07	3.50
57.7666	0.94	1.92	3.18
52.622	0.90	1.78	2.91
47.9356	0.86	1.67	2.69
43.6665	0.83	1.57	2.51
39.7777	0.79	1.48	2.36
36.2352	0.76	1.41	2.22
33.0081	0.73	1.33	2.09
30.0685	0.70	1.27	1.97
27.3906	0.67	1.20	1.87
24.9513	0.64	1.15	1.77
22.7292	0.61	1.10	1.68
20.705	0.58	1.05	1.60
18.861	0.55	1.00	1.51
17.1813	0.52	0.95	1.43
15.6512	0.49	0.90	1.36
14.2573	0.46	0.85	1.28
12.9876	0.43	0.81	1.21
11.8309	0.41	0.76	1.15
10.7773	0.38	0.72	1.08
9.81748	0.35	0.68	1.02
8.94315	0.32	0.64	0.96
8.14669	0.30	0.60	0.90
7.42117	0.27	0.56	0.84
6.76025	0.25	0.52	0.78
6.1582	0.22	0.48	0.72
5.60976	0.20	0.44	0.66
5.11017	0.18	0.41	0.61
4.65506	0.16	0.37	0.56
4.24049	0.15	0.34	0.51
3.86284	0.13	0.31	0.47
3.51883	0.12	0.29	0.43
3.20545	0.11	0.26	0.39
2.91998	0.10	0.23	0.36
2.65993	0.09	0.21	0.32
2.42304	0.08	0.19	0.28
2.20725	0.07	0.16	0.25
2.01068	0.06	0.14	0.21
1.83161	0.05	0.12	0.17
1.66849	0.04	0.10	0.14
1.5199	0.04	0.08	0.11
1.38454	0.03	0.06	0.08
1.26123	0.02	0.04	0.05
1.14891	0.01	0.03	0.03
1.04659	0.01	0.01	0.02
0.953383	0.00	0.01	0.01
0.868477	0.00	0.00	0.00
0.791132	0.00	0.00	0.00
0.720675	0.00	0.00	0.00
0.656493	0.00	0.00	0.00
0.598027	0.00	0.00	0.00
0.544768	0.00	0.00	0.00
0.496252	0.00	0.00	0.00
0.452057	0.00	0.00	0.00
0.411798	0.00	0.00	0.00
0.375124	0.00	0.00	0.00
0.341716	0.00	#DIV/0!	0.00
0.311283	0.00	#DIV/0!	0.00
0.283561	0.00	#DIV/0!	0.00
0.258308	0.00	#DIV/0!	0.00
0.235303	0.00	#DIV/0!	0.00
0.214348	0.00	#DIV/0!	0.00
0.195258	0.00	#DIV/0!	0.00
0.177869	0.00	#DIV/0!	0.00
0.162028	0.00	#DIV/0!	0.00
0.147598	0.00	#DIV/0!	0.00
0.134454	0.00	#DIV/0!	0.00
0.122479	0.00	#DIV/0!	0.00
0.111572	0.00	#DIV/0!	0.00
0.101635	0.00	#DIV/0!	0.00
0.0925838	0.00	#DIV/0!	0.00
0.0843385	0.00	#DIV/0!	0.00
0.0768275	0.00	#DIV/0!	0.00
0.0699854	0.00	#DIV/0!	0.00
0.0637526	0.00	#DIV/0!	0.00
0.0580749	0.00	#DIV/0!	0.00
0.0529029	0.00	#DIV/0!	0.00
0.0481915	0.00	#DIV/0!	0.00
0.0438996	0.00	#DIV/0!	0.00
0.03999	0.00	#DIV/0!	0.00

	Samples from 0 to 7m		
	CoarsestSample	AveragedSample	FinestSample
2000	100.00	**100.00**	100.00
1000	96.16	**98.77**	100.00
710	86.15	**96.25**	99.77
500	67.89	**89.99**	97.82
355	43.49	**72.13**	93.63
250	17.31	**40.64**	82.15
212	9.25	**28.37**	75.57
150	2.67	**15.63**	67.19
125	1.85	**13.30**	65.11
106	1.49	**12.16**	63.60
90	1.26	**11.38**	62.09
63	0.99	**10.02**	57.81
45	0.84	**8.80**	52.02
38	0.78	**8.20**	48.70
31	0.71	**7.46**	44.50
16	0.50	**5.10**	30.23
8	0.29	**3.08**	18.05
4	0.14	**1.59**	9.21
2	0.06	**0.58**	3.60

	Samples from 0 to 6m		
	CoarsestSample	AveragedSample	FinestSample
2000	100.00	**100.00**	100.00
1000	96.16	**98.57**	99.30
710	86.15	**95.67**	98.10
500	67.89	**88.68**	94.81
355	43.49	**68.54**	83.22
250	17.31	**33.72**	50.62
212	9.25	**20.50**	34.47
150	2.67	**7.04**	13.62
125	1.85	**4.67**	8.86
106	1.49	**3.58**	6.60
90	1.26	**2.92**	5.24
63	0.99	**2.06**	3.47
45	0.84	**1.60**	2.57
38	0.78	**1.44**	2.29
31	0.71	**1.29**	2.01
16	0.50	**0.91**	1.37
8	0.29	**0.59**	0.88
4	0.14	**0.32**	0.49
2	0.06	**0.08**	0.21

Size	STH012RC 0-6m	STH012RC 0-7m
10000	100.00	100.00
2000	99.43	99.43
1000	98.01	98.21
710	95.12	95.71
500	88.18	89.48
355	68.15	71.72
250	33.52	40.40
212	20.38	28.21
150	7.00	15.55
125	4.64	13.22
106	3.56	12.09
90	2.91	11.31
63	2.05	9.97
45	1.59	8.75
38	1.44	8.15
31	1.28	7.42
16	0.90	5.07
8	0.59	3.07
4	0.32	1.58
2	0.08	0.57

STH010RC
>2mm
99.43%

Raw Data

Samples with particles > 2mm (sieving)

	%>2mm	%<2mm	
C1-0-B	5.1	94.9	
C1-1-B	1.2	98.8	
C1-2-B	3.4	96.6	
C1-3-B	0.0	100.0	
C1-4-B	0.0	100.0	98.1
C2-0-B	14.4	85.6	
C2-1-B	0.9	99.1	
C2-2-B	0.0	100.0	
C2-3-B	0.0	100.0	
C2-4-B	2.8	97.2	
C2-5-B	0.6	99.4	96.9
C3-0-B	0.7	99.3	
C3-1-B	0.0	100.0	
C3-2-B	1.1	98.9	99.4
D3-0-B	3.9	96.1	
D3-1-B	4.2	95.8	
D3-2-B	0.0	100.0	
D3-3-B	0.0	100.0	
D3-4-B	0.0	100.0	
D3-5-B	0.0	100.0	98.7

Results from Malvern Lasersizer

Sizes (microns)

Sample Name	0.05	0.06	0.12	0.24	0.49	0.7	0.98	2	3.9	7.8	15.6	31	37	44	53	63	74	88	105	125	149	177	210	250	300	350	420	500	590	710	840	1000	2000	Sample Name	d (0.5)	Mean	Mode	Standard	Kurtosis	Skewness
Ref-1-B	0	0	0	1.415185	2.438284	2.951827	8.648577	14.44084	20.43639	18.35964	13.44745	2.792628	2.460809	2.329123	1.86554	1.483412	1.340746	1.116275	0.881737	0.696212	0.528569	0.41318	0.352374	0.339933	0.287628	0.344255	0.30481	0.22503	0.099542	0	0	0		Ref-1-B	7.713	24.908	6.248	58.516	41.243	5.805
Ref-2-B	0	0	0	1.413955	2.487098	3.04909	8.941599	14.36982	19.25184	16.96567	12.84979	2.782699	2.50607	2.431997	2.003699	1.642342	1.539457	1.345686	1.132298	0.966487	0.7974	0.663367	0.567637	0.505576	0.381145	0.41801	0.372053	0.306601	0.235619	0.072987	0	0		Ref-2-B	7.94	30.491	5.856	72.268	33.864	5.271
Ref-3-B	0	0	0	0.901751	1.642377	1.953521	5.795371	11.27149	18.92846	19.68196	15.82775	3.418184	3.059712	2.945477	2.402233	1.945393	1.795645	1.537705	1.261696	1.046693	0.840156	0.687364	0.593602	0.555457	0.449661	0.522982	0.458636	0.337807	0.13893	0	0	0		Ref-3-B	10.772	33.402	8.037	70.134	26.45	4.705
Ref-4-B	0	0	0	1.466633	2.536858	3.09437	9.064691	14.44298	19.21046	16.95264	13.19649	2.922066	2.641345	2.562541	2.101798	1.709697	1.586897	1.371511	1.140999	0.962224	0.780558	0.629618	0.50696	0.401991	0.253746	0.219351	0.144859	0.09566	0.003063	0	0	0		Ref-4-B	7.853	24.979	5.816	50.095	31.109	4.824
Ref-5-B	0	0	0	1.236052	2.194606	2.662413	7.89682	13.72284	19.99194	18.11914	13.36169	2.856182	2.572847	2.503908	2.073517	1.709546	1.610127	1.408359	1.175857	0.983971	0.784306	0.619717	0.492888	0.398108	0.273095	0.285713	0.26554	0.255389	0.271352	0.190678	0.083403	0		Ref-5-B	8.443	30.802	6.382	77.135	47.317	6.19
C1-0-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.010654	0.639667	2.601438	5.626761	9.57408	13.88522	13.71733	16.47341	13.90033	10.17928	7.509072	3.717298	1.715918	0.449553		C1-0-B	365.377	400.369	359.794	170.677	1.305	1.092
C1-1-B	0	0	0	0	0	0	0	0.224902	0.547534	0.370792	0	0	0	0	0	0	0	0	0.070146	1.23104	4.270016	8.99761	14.54682	19.19302	16.54236	16.32522	10.30855	5.080431	2.0288	0.262754	0	0		C1-1-B	301.501	318.074	302.109	115.997	0.785	0.617
C1-2-B	0	0	0	0	0	0	0	0	0	0	0.716596	0.526725	0.537383	0.402037	0.055283	0	0	0	0.261481	2.034212	5.661097	10.69093	15.95371	19.58424	15.78523	14.49677	8.363429	3.660223	1.173756	0.096895	0	0		C1-2-B	282.802	297.027	285.451	110.939	0.716	0.552
C1-3-B	0	0	0	0	0	0	0.228065	0.658319	0.862961	0.494868	1.137074	0.559521	0.459999	0.189244	0	0	0	0.210976	1.703001	5.066636	9.804722	14.63903	18.05837	18.53149	12.5773	9.52522	4.151129	1.109015	0.033069	0	0	0		C1-3-B	240.614	248.67	247.111	100.145	0.54	0.191
C1-4-B	0	0	0	0	0	0	0.108185	0.54533	0.662124	0.13107	1.431204	0.477288	0.211508	0.011181	0	0	0.069199	1.146034	3.982111	8.697762	13.74022	17.402	18.429	16.13618	9.264811	5.688321	1.745846	0.119978	0.000637	0	0	0		C1-4-B	212.727	220.95	217.327	85.807	0.568	0.285
C2-0-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000399	0.477139	2.538085	5.703381	9.597364	13.54633	16.62199	14.14134	14.61466	10.4443	6.429745	3.877595	1.49368	0.448116	0.065876		C2-0-B	304.898	334.284	299.347	141.841	1.649	1.164
C2-1-B	0	0	0	0	0	0	0	0	0	0	1.014423	0.536558	0.398037	0.090982	0	0	0	0.175473	1.689276	5.155833	10.02953	14.97153	18.43975	18.91486	12.87887	9.862858	4.434564	1.306127	0.101335	0	0	0		C2-1-B	244.309	256.525	246.927	94.905	0.582	0.536
C2-2-B	0	0	0	0	0	0	0	0.127242	0.502062	0.123564	0	0	0	0	0	0	0.036571	1.045499	3.825174	8.052237	12.43578	15.80764	17.35951	16.46631	10.76746	8.20561	3.828487	1.247892	0.12385	0	0	0.045127		C2-2-B	227.635	244.226	226.935	100.722	29.382	2.475
C2-3-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.055155	1.291939	4.237663	8.608787	12.98797	16.2156	17.5225	16.34219	10.48633	7.786865	3.455263	0.999432	0.010304	0	0	0		C2-3-B	224.177	240.241	223.295	90.017	0.54	0.866
C2-4-B	0	0	0	0	0	0	0	0	0	0	0.497762	0.213457	0.03802	0	0	0	0.149217	1.328626	3.005414	5.237186	7.397938	9.233529	10.64158	11.49525	9.340169	10.02869	8.258556	6.528466	5.807617	3.96708	2.9359	3.895539		C2-4-B	303.698	384.261	267.911	267.105	4.57	1.886
C2-5-B	0	0	0	0	0	0	0	0	0	0	0.025554	0.096168	0.018565	0	0	0	0.030478	0.396355	1.014936	2.07021	3.45304	5.165947	7.25921	9.7193	9.645452	12.43533	12.00641	10.56178	9.93287	6.788057	4.743629	4.636715		C2-5-B	412.035	470.931	427.366	262.629	2.155	1.292
C3-0-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08751	1.302642	4.791294	10.40129	16.44175	20.55916	20.52788	13.06121	8.895196	3.261097	0.661401	0.009568	0	0	0		C3-0-B	242.682	254.971	242.967	81.493	0.476	0.772
C3-1-B	0	0	0	0	0	0	0	0.468945	0.874392	0.501425	0.961471	0.429405	0.289883	0.024713	0	0	0	0.388672	2.22725	5.980474	10.86693	15.46707	18.31455	18.08943	11.8594	8.680952	3.63672	0.923055	0.02222	0	0	0		C3-1-B	234.547	244.135	238.992	96.093	0.608	0.31
C3-2-B	0	0	0	0	0	0	0	0	0	0	1.226251	0.607606	0.482844	0.203916	0	0	0.008274	0.637897	2.75854	6.410775	10.71099	14.59142	17.09505	17.26956	11.94975	9.587829	4.697362	1.592249	0.169687	0	0	0		C3-2-B	238.389	251.995	242.357	100.674	0.507	0.574
D2-0-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.069053	0.847962	3.720608	8.168537	13.35269	17.82885	19.86991	14.71761	12.38888	6.351002	2.28185	0.403047	0	0	0		D2-0-B	264.037	279.587	264.299	96.495	0.468	0.799
D2-1-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.028803	0.911472	3.31919	7.124202	11.30664	14.89126	17.09121	17.1092	11.85837	9.630048	4.837871	1.706986	0.184759	0	0	0		D2-1-B	238.476	255.416	239.341	97.024	0.489	0.84
D2-2-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.099322	1.541855	4.210238	8.070402	11.87139	14.7944	16.30464	15.89526	10.92173	8.989032	4.795272	1.97377	0.532689	0	0	0		D2-2-B	232.247	251.983	230.668	102.464	0.847	0.968
D3-0-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.164279	1.756158	5.211535	10.02364	14.87504	18.33558	18.97032	13.14303	10.38839	5.013607	1.749574	0.368854	0	0	0		D3-0-B	249.156	265.384	248.578	94.847	0.767	0.893
D3-1-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.013011	0.725867	2.961517	6.648744	10.87605	14.64156	17.07934	17.30951	12.11915	9.9661	5.180108	2.005311	0.47373	0	0	0		D3-1-B	242.701	260.676	242.768	100.139	0.715	0.905
D3-2-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.006223	0.324679	2.531888	6.041757	10.64914	14.53642	16.73529	16.81082	14.59571	8.742822	6.027656	2.418607	0.574219	0.004776	0	0	0		D3-2-B	208.271	224.119	206.868	85.969	0.752	0.926
D3-3-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.086043	1.601223	6.019954	14.64228	27.34288	42.97786	59.78468	75.56503	85.93005	94.02848	98.0802	99.62782	100	100	100		D3-3-B	225.768	244.772	222.85	97.71	1.033	1.011
D3-4-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.058531	1.336033	4.633476	9.901432	15.16475	18.54539	18.90727	15.89076	8.765868	5.176864	1.520795	0.09847	0.000355	0	0	0		D3-4-B	210.675	223.061	210.382	76.085	0.501	0.811
D3-5-B	0	0	0	0	0	0	0	0	0.276963	0	0	0	0	0	0	0	0.119912	1.417385	3.734495	6.798264	9.766618	12.18843	13.8202	14.35069	10.89418	10.45338	7.166525	4.390771	2.739261	1.158892	0.491176	0.232866		D3-5-B	255.904	291.269	247.807	150.812	5.656	1.702

Cumulative %

Sample Name	0.05	0.06	0.12	0.24	0.49	0.7	0.98	2	3.9	7.8	15.6	31	37	44	53	63	74	88	105	125	149	177	210	250	300	350	420	500	590	710	840	1000	2000
Ref-1-B	0	0	0	0	1.415185	3.853469	6.805297	15.45387	29.89471	50.3311	68.69074	82.1382	84.93082	87.39163	89.72076	91.5863	93.06971	94.41045	95.52673	96.40847	97.10468	97.63325	98.04643	98.3988	98.73874	99.02636	99.37062	99.67543	99.90046	100	100	100	100
Ref-2-B	0	0	0	0	1.413955	3.901053	6.950143	15.89174	30.26157	49.51341	66.47908	79.32887	82.11157	84.61764	87.04964	89.05334	90.69568	92.23514	93.58082	94.71312	95.67961	96.47701	97.14037	97.70801	98.21359	98.59473	99.01274	99.38479	99.69139	99.92701	100	100	100
Ref-3-B	0	0	0	0	0.901751	2.544128	4.497649	10.29302	21.56451	40.49296	60.17492	76.00267	79.42085	82.48056	85.42604	87.82827	89.77367	91.56931	93.10702	94.36871	95.41541	96.25556	96.94293	97.53653	98.09198	98.54165	99.06463	99.52326	99.86107	100	100	100	100
Ref-4-B	0	0	0	0	1.466633	4.003491	7.09786	16.16255	30.60553	49.81598	66.76862	79.96512	82.88718	85.52853	88.09107	90.19287	91.90256	93.48946	94.86097	96.00197	96.96419	97.74475	98.37437	98.88133	99.28332	99.53707	99.75642	99.90128	99.99694	100	100	100	100
Ref-5-B	0	0	0	0	1.236052	3.430658	6.093072	13.98989	27.71273	47.70467	65.82381	79.1855	82.04168	84.61453	87.11844	89.19195	90.9015	92.51163	93.91998	95.09584	96.07981	96.86412	97.48383	97.97672	98.37483	98.64793	98.93364	99.19918	99.45457	99.72592	99.9166	100	100
C1-0-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.010654	0.650321	3.251758	8.878519	18.4526	32.33782	46.05515	62.52855	76.42888	86.60816	94.11723	97.83453	99.55045	100
C1-1-B	0	0	0	0	0	0	0	0	0.224902	0.772436	1.143228	1.143228	1.143228	1.143228	1.143228	1.143228	1.143228	1.143228	1.143228	1.213374	2.444414	6.71443	15.71204	30.25886	49.45188	65.99424	82.31946	92.62802	97.70845	99.73725	100	100	100
C1-2-B	0	0	0	0	0	0	0	0	0	0	0	0.716596	1.243321	1.780704	2.182741	2.238024	2.238024	2.238024	2.238024	2.499504	4.533716	10.19481	20.88574	36.83945	56.4237	72.20892	86.7057	95.06913	98.72935	99.90311	100	100	100
C1-3-B	0	0	0	0	0	0	0	0.228065	0.886384	1.749345	2.244213	3.381287	3.940808	4.400806	4.59005	4.59005	4.59005	4.59005	4.801026	6.504027	11.57066	21.37539	36.01441	54.07278	72.60427	85.18157	94.70679	98.85792	99.96693	100	100	100	100
C1-4-B	0	0	0	0	0	0	0	0.108185	0.653515	1.315639	1.446709	2.877913	3.355201	3.566709	3.57789	3.57789	3.57789	3.647089	4.793123	8.775234	17.473	31.21322	48.61522	67.04423	83.18041	92.44522	98.13354	99.87939	99.99936	100	100	100	100
C2-0-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000399	0.477538	3.015623	8.719005	18.31637	31.8627	48.48469	62.62603	77.24069	87.68499	94.11473	97.99233	99.48601	99.93412	100
C2-1-B	0	0	0	0	0	0	0	0	0	0	1.014423	1.550981	1.949018	2.04	2.04	2.04	2.04	2.215473	3.904749	9.060582	19.09011	34.06164	52.50138	71.41624	84.29512	94.15797	98.59254	99.89867	100	100	100	100
C2-2-B	0	0	0	0	0	0	0	0	0.127242	0.629304	0.752868	0.752868	0.752868	0.752868	0.752868	0.752868	0.752868	0.789439	1.834937	5.660111	13.71235	26.14812	41.95576	59.31527	75.78158	86.54904	94.75465	98.58313	99.83102	99.95487	99.95487	99.95487	100
C2-3-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.055155	1.347095	5.584758	14.19355	27.18152	43.39711	60.91961	77.2618	87.74814	95.535	98.99026	99.9897	100	100	100	100
C2-4-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.749239	0.898456	2.227082	5.232496	10.46968	17.86762	27.10115	37.74273	49.23798	58.57815	68.60684	76.8654	83.39386	89.20148	93.16856	96.10446	100
C2-5-B	0	0	0	0	0	0	0	0	0	0	0	0.025554	0.121722	0.140288	0.140288	0.140288	0.140288	0.170766	0.567121	1.582057	3.652267	7.105306	12.27125	19.53046	29.24976	38.89522	51.33055	63.33695	73.89873	83.8316	90.61966	95.36329	100
C3-0-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08751	1.390152	6.181446	16.58274	33.02449	53.58365	74.11153	87.17274	96.06793	99.32903	99.99043	100	100	100	100
C3-1-B	0	0	0	0	0	0	0	0	0.468945	1.343337	1.844762	2.806233	3.235639	3.525522	3.550235	3.550235	3.550235	3.543284	3.931955	6.159205	12.13968	23.00661	38.47367	56.78822	74.87765	86.73705	95.41801	99.05473	99.97778	100	100	100	100
C3-2-B	0	0	0	0	0	0	0	0	0	0	0	1.226251	1.833857	2.316701	2.520618	2.520618	2.520618	2.528892	3.166789	5.925329	12.3361	23.04709	37.63851	54.73356	72.00312	83.95287	93.5407	98.23806	99.83031	100	100	100	100
D2-0-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.069053	0.917014	4.637623	12.80616	26.15885	43.98769	63.85761	78.57522	90.9641	97.3151	99.59695	100	100	100	100
D2-1-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.028803	0.940275	4.259465	11.38367	22.6903	37.58156	54.67277	71.78197	83.64034	93.27038	98.10826	99.81524	100	100	100	100
D2-2-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.099322	1.641177	5.851415	13.92182	25.79321	40.58761	56.89225	72.78751	83.70924	92.69827	97.49354	99.46731	100	100	100	100
D3-0-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.164279	1.920437	7.131973	17.15561	32.03065	50.36623	69.33655	82.47957	92.86796	97.88157	99.63115	100	100	100	100
D3-1-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.013011	0.738878	3.700395	10.34914	21.22519	35.86675	52.94608	70.2556	82.37475	92.34085	97.52096	99.52627	100	100	100	100	100
D3-2-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.006223	0.330902	2.862789	8.904546	19.55368	34.0901	50.82539	67.63621	82.23192	90.97474	97.0024	99.421	99.99522	100	100	100	100	100
D3-3-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.086043	1.601223	6.019954	14.64228	27.34288	42.97786	59.78468	75.56503	85.93005	94.02848	98.0802	99.62782	100	100	100	100	100
D3-4-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.058531	1.394564	6.028039	15.92947	31.09423	49.63961	68.54688	84.43765	93.20352	98.38038	99.90118	99.99965	100	100	100	100	100
D3-5-B	0	0	0	0	0	0	0	0	0	0	0.276963	0.276963	0.276963	0.276963	0.276963	0.276963	0.276963	0.396875	1.81426	5.548755	12.34702	22.11364	34.30207	48.12226	62.47295	73.36713	83.82051	90.98704	95.37781	98.11707	99.27596	99.76713	100

PSD Analysis

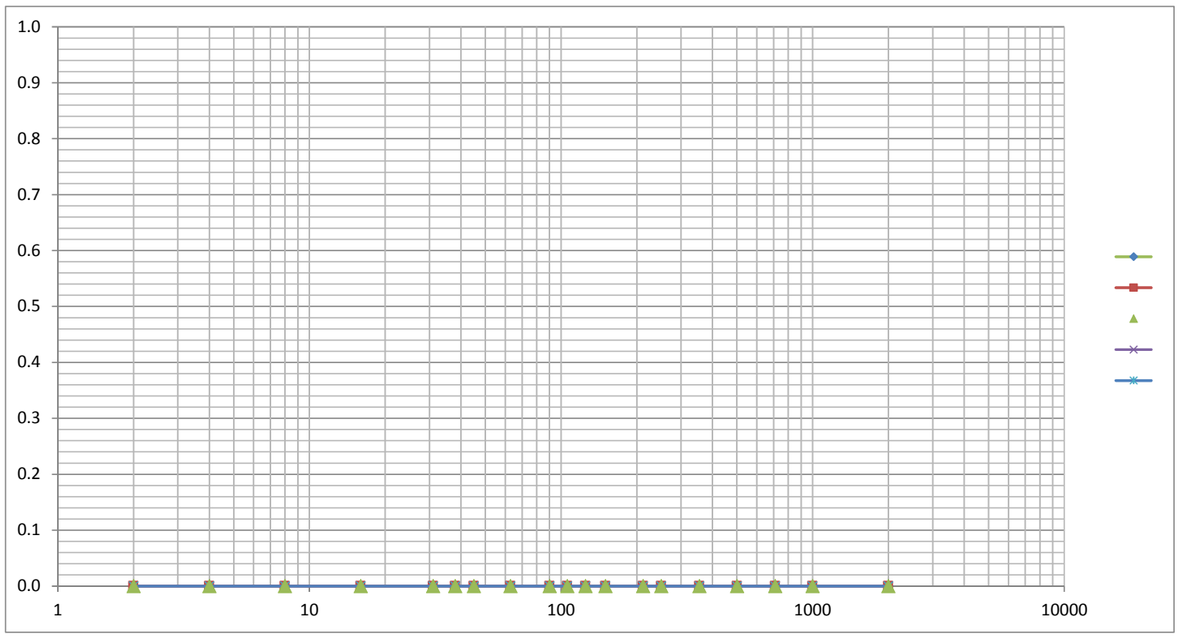
	Ref-1-B	Ref-2-B	Ref-3-B	Ref-4-B	Ref-5-B	C1-0-B	C1-1-B	C1-2-B	C1-3-B	C1-4-B	C1_Ave	C2-0-B	C2-1-B	C2-2-B	C2-3-B	C2-4-B	C2-5-B	C2_Av2	C3-0-B	C3-1-B	C3-2-B	C3_Ave	D2-0-B	D2-1-B	D2-2-B	D2_Ave
2000																										
1000	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	**0.09**	0.07	0.00	0.05	0.00	3.90	4.64	**1.44**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
840	0.00	0.00	0.00	0.00	0.08	1.72	0.00	0.00	0.00	0.00	**0.34**	0.45	0.00	0.00	0.00	2.94	4.74	**1.35**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
710	0.00	0.07	0.00	0.00	0.19	3.72	0.26	0.10	0.00	0.00	**0.82**	1.49	0.00	0.00	0.00	3.97	6.79	**2.04**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
590	0.10	0.24	0.14	0.00	0.27	7.51	2.03	1.17	0.03	0.00	**2.15**	3.88	0.10	0.12	0.01	5.81	9.93	**3.31**	0.01	0.02	0.17	**0.07**	0.40	0.18	0.53	**0.37**
500	0.23	0.31	0.34	0.10	0.26	10.18	5.08	3.66	1.11	0.12	**4.03**	6.43	1.31	1.25	1.00	6.53	10.56	**4.51**	0.66	0.92	1.59	**1.06**	2.28	1.71	1.97	**1.99**
420	0.30	0.37	0.46	0.14	0.27	13.90	10.31	8.36	4.15	1.75	**7.69**	10.44	4.43	3.83	3.46	8.26	12.01	**7.07**	3.26	3.64	4.70	**3.87**	6.35	4.84	4.80	**5.33**
350	0.34	0.42	0.52	0.22	0.29	16.47	16.33	14.50	9.53	5.69	**12.50**	14.61	9.86	8.21	7.79	10.03	12.44	**10.49**	8.90	8.68	9.59	**9.05**	12.39	9.63	8.99	**10.34**
300	0.29	0.38	0.45	0.25	0.27	13.72	16.54	15.79	12.58	9.26	**13.58**	14.14	12.88	10.77	10.49	9.34	9.65	**11.21**	13.06	11.86	11.95	**12.29**	14.72	11.86	10.92	**12.50**
250	0.34	0.51	0.56	0.40	0.40	13.89	19.19	19.58	18.53	16.14	**17.47**	16.62	18.91	16.47	16.34	11.50	9.72	**14.93**	20.53	18.09	17.27	**18.63**	19.87	17.11	15.90	**17.62**
210	0.35	0.57	0.59	0.51	0.49	9.57	14.55	15.95	18.06	18.43	**15.31**	13.55	18.44	17.36	17.52	10.64	7.26	**14.13**	20.56	18.31	17.10	**18.66**	17.83	17.09	16.30	**17.07**
177	0.41	0.66	0.69	0.63	0.62	5.63	9.00	10.69	14.64	17.40	**11.47**	9.60	14.97	15.81	16.22	9.23	5.17	**11.83**	16.44	15.47	14.59	**15.50**	13.35	14.89	14.79	**14.35**
149	0.53	0.80	0.84	0.78	0.78	2.60	4.27	5.66	9.80	13.74	**7.22**	5.70	10.03	12.44	12.99	7.40	3.45	**8.67**	10.40	10.87	10.71	**10.66**	8.17	11.31	11.87	**10.45**
125	0.70	0.97	1.05	0.96	0.98	0.64	1.23	2.03	5.07	8.70	**3.53**	2.54	5.16	8.05	8.61	5.24	2.07	**5.28**	4.79	5.98	6.41	**5.73**	3.72	7.12	8.07	**6.31**
105	0.88	1.13	1.26	1.14	1.18	0.01	0.07	0.26	1.70	3.98	**1.21**	0.48	1.69	3.83	4.24	3.01	1.01	**2.37**	1.30	2.23	2.76	**2.10**	0.85	3.32	4.21	**2.79**
88	1.12	1.35	1.54	1.37	1.41	0.00	0.00	0.00	0.21	1.15	**0.27**	0.00	0.18	1.05	1.29	1.33	0.40	**0.71**	0.09	0.39	0.64	**0.37**	0.07	0.91	1.54	**0.84**
74	1.34	1.54	1.80	1.59	1.61	0.00	0.00	0.00	0.00	0.07	**0.01**	0.00	0.00	0.04	0.06	0.15	0.03	**0.05**	0.00	0.00	0.01	**0.00**	0.00	0.03	0.10	**0.04**
63	1.48	1.64	1.95	1.71	1.71	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
53	1.87	2.00	2.40	2.10	2.07	0.00	0.00	0.06	0.00	0.00	**0.01**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
44	2.33	2.43	2.95	2.56	2.50	0.00	0.00	0.40	0.19	0.01	**0.12**	0.00	0.09	0.00	0.00	0.00	0.00	**0.02**	0.00	0.02	0.20	**0.08**	0.00	0.00	0.00	**0.00**
37	2.46	2.51	3.06	2.64	2.57	0.00	0.00	0.54	0.46	0.21	**0.24**	0.00	0.40	0.00	0.00	0.04	0.02	**0.08**	0.00	0.29	0.48	**0.26**	0.00	0.00	0.00	**0.00**
31	2.79	2.78	3.42	2.92	2.86	0.00	0.00	0.53	0.56	0.48	**0.31**	0.00	0.54	0.00	0.00	0.21	0.10	**0.14**	0.00	0.43	0.61	**0.35**	0.00	0.00	0.00	**0.00**
15.6	13.45	12.85	15.83	13.20	13.36	0.00	0.00	0.72	1.14	1.43	**0.66**	0.00	1.01	0.00	0.00	0.50	0.03	**0.26**	0.00	0.96	1.23	**0.73**	0.00	0.00	0.00	**0.00**
7.8	18.36	16.97	19.68	16.95	18.12	0.00	0.37	0.00	0.49	0.13	**0.20**	0.00	0.00	0.12	0.00	0.00	0.00	**0.02**	0.00	0.50	0.00	**0.17**	0.00	0.00	0.00	**0.00**
3.9	20.44	19.25	18.93	19.21	19.99	0.00	0.55	0.00	0.86	0.66	**0.41**	0.00	0.00	0.50	0.00	0.00	0.00	**0.08**	0.00	0.87	0.00	**0.29**	0.00	0.00	0.00	**0.00**
2	14.44	14.37	11.27	14.44	13.72	0.00	0.22	0.00	0.66	0.55	**0.29**	0.00	0.00	0.13	0.00	0.00	0.00	**0.02**	0.00	0.47	0.00	**0.16**	0.00	0.00	0.00	**0.00**
0.98	8.65	8.94	5.80	9.06	7.90	0.00	0.00	0.00	0.23	0.11	**0.07**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.7	2.95	3.05	1.95	3.09	2.66	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.49	2.44	2.49	1.64	2.54	2.19	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.24	1.42	1.41	0.90	1.47	1.24	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
Sand %						**100.00**	**98.86**	**97.76**	**95.41**	**96.42**	**97.69**	**100.00**	**97.96**	**99.25**	**100.00**	**99.25**	**99.86**	**99.39**	**100.00**	**96.46**	**97.48**	**97.98**	**100.00**	**100.00**	**100.00**	**100.00**
Mud %						**0.00**	**1.14**	**2.24**	**4.59**	**3.58**	**2.31**	**0.00**	**2.04**	**0.75**	**0.00**	**0.75**	**0.14**	**0.61**	**0.00**	**3.55**	**2.52**	**2.02**	**0.00**	**0.00**	**0.00**	**0.00**

D3-0-B	D3-1-B	D3-2-B	D3-3-B	D3-4-B	D3-5-B	D3_Ave
0.00	0.00	0.00	0.00	0.00	0.23	**0.04**
0.00	0.00	0.00	0.00	0.00	0.49	**0.08**
0.00	0.00	0.00	0.00	0.00	1.16	**0.19**
0.37	0.47	0.00	0.37	0.00	2.74	**0.66**
1.75	2.01	0.57	1.55	0.10	4.39	**1.73**
5.01	5.18	2.42	4.05	1.52	7.17	**4.23**
10.39	9.97	6.03	8.10	5.18	10.45	**8.35**
13.14	12.12	8.74	10.37	8.77	10.89	**10.67**
18.97	17.31	14.60	15.78	15.89	14.35	**16.15**
18.34	17.08	16.81	16.81	18.91	13.82	**16.96**
14.88	14.64	16.74	15.63	18.55	12.19	**15.44**
10.02	10.88	14.54	12.70	15.16	9.77	**12.18**
5.21	6.65	10.65	8.62	9.90	6.80	**7.97**
1.76	2.96	6.04	4.42	4.63	3.73	**3.92**
0.16	0.73	2.53	1.52	1.34	1.42	**1.28**
0.00	0.01	0.32	0.09	0.06	0.12	**0.10**
0.00	0.00	0.01	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.28	**0.05**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
100.00	**100.00**	**99.99**	**100.00**	**100.00**	**99.72**	**99.95**
0.00	**0.00**	**0.01**	**0.00**	**0.00**	**0.28**	**0.05**

PSD Analysis

	Ref-1-B	Ref-2-B	Ref-3-B	Ref-4-B	Ref-5-B	C1-0-B	C1-1-B	C1-2-B	C1-3-B	C1-4-B	C1_Ave	C2-0-B	C2-1-B	C2-2-B	C2-3-B	C2-4-B	C2-5-B	C2_Ave	C3-0-B	C3-1-B	C3-2-B	C3_Ave	D2-0-B	D2-1-B	D2-2-B	D2_Ave
2000.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	**100.00**	100.00	100.00	100.00	100.00	100.00	100.00	**100.00**	100.00	100.00	100.00	**100.00**	100.00	100.00	100.00	**100.00**
1000.00	100.00	100.00	100.00	100.00	100.00	99.55	100.00	100.00	100.00	100.00	**99.91**	99.93	100.00	99.95	100.00	96.10	95.36	**98.56**	100.00	100.00	100.00	**100.00**	100.00	100.00	100.00	**100.00**
840.00	100.00	100.00	100.00	100.00	99.92	97.83	100.00	100.00	100.00	100.00	**99.57**	99.49	100.00	99.95	100.00	93.17	90.62	**97.20**	100.00	100.00	100.00	**100.00**	100.00	100.00	100.00	**100.00**
710.00	100.00	99.93	100.00	100.00	99.73	94.12	99.74	99.90	100.00	100.00	**98.75**	97.99	100.00	99.95	100.00	89.20	83.83	**95.16**	100.00	100.00	100.00	**100.00**	100.00	100.00	100.00	**100.00**
590.00	99.90	99.69	99.86	100.00	99.45	86.61	97.71	98.73	99.97	100.00	**96.60**	94.11	99.90	99.83	99.99	83.39	73.90	**91.85**	99.99	99.98	99.83	**99.93**	99.60	99.82	99.47	**99.63**
500.00	99.68	99.38	99.52	99.90	99.20	76.43	92.63	95.07	98.86	99.88	**92.57**	87.68	98.59	98.58	98.99	76.87	63.34	**87.34**	99.33	99.05	98.24	**98.87**	97.32	98.11	97.49	**97.64**
420.00	99.37	99.01	99.06	99.76	98.93	62.53	82.32	86.71	94.71	98.13	**84.88**	77.24	94.16	94.75	95.54	68.61	51.33	**80.27**	96.07	95.42	93.54	**95.01**	90.96	93.27	92.70	**92.31**
350.00	99.03	98.59	98.54	99.54	98.65	46.06	65.99	72.21	85.18	92.45	**72.38**	62.63	84.30	86.55	87.75	58.58	38.90	**69.78**	87.17	86.74	83.95	**85.95**	78.58	83.64	83.71	**81.97**
300.00	98.74	98.21	98.09	99.28	98.37	32.34	49.45	56.42	72.60	83.18	**58.80**	48.48	71.42	75.78	77.26	49.24	29.25	**58.57**	74.11	74.88	72.00	**73.66**	63.86	71.78	72.79	**69.48**
250.00	98.40	97.71	97.54	98.88	97.98	18.45	30.26	36.84	54.07	67.04	**41.33**	31.86	52.50	59.32	60.92	37.74	19.53	**43.65**	53.58	56.79	54.73	**55.04**	43.99	54.67	56.89	**51.85**
210.00	98.05	97.14	96.94	98.37	97.48	8.88	15.71	20.89	36.01	48.62	**26.02**	18.32	34.06	41.96	43.40	27.10	12.27	**29.52**	33.02	38.47	37.64	**36.38**	26.16	37.58	40.59	**34.78**
177.00	97.63	96.48	96.26	97.74	96.86	3.25	6.71	10.19	21.38	31.21	**14.55**	8.72	19.09	26.15	27.18	17.87	7.11	**17.69**	16.58	23.01	23.05	**20.88**	12.81	22.69	25.79	**20.43**
149.00	97.10	95.68	95.42	96.96	96.08	0.65	2.44	4.53	11.57	17.47	**7.33**	3.02	9.06	13.71	14.19	10.47	3.65	**9.02**	6.18	12.14	12.34	**10.22**	4.64	11.38	13.92	**9.98**
125.00	96.41	94.71	94.37	96.00	95.10	0.01	1.21	2.50	6.50	8.78	**3.80**	0.48	3.90	5.66	5.58	5.23	1.58	**3.74**	1.39	6.16	5.93	**4.49**	0.92	4.26	5.85	**3.68**
105.00	95.53	93.58	93.11	94.86	93.92	0.00	1.14	2.24	4.80	4.79	**2.60**	0.00	2.22	1.83	1.35	2.23	0.57	**1.37**	0.09	3.93	3.17	**2.40**	0.07	0.94	1.64	**0.88**
88.00	94.41	92.24	91.57	93.49	92.51	0.00	1.14	2.24	4.59	3.65	**2.32**	0.00	2.04	0.79	0.06	0.90	0.17	**0.66**	0.00	3.54	2.53	**2.02**	0.00	0.03	0.10	**0.04**
74.00	93.07	90.70	89.77	91.90	90.90	0.00	1.14	2.24	4.59	3.58	**2.31**	0.00	2.04	0.75	0.00	0.75	0.14	**0.61**	0.00	3.55	2.52	**2.02**	0.00	0.00	0.00	**0.00**
63.00	91.59	89.05	87.83	90.19	89.19	0.00	1.14	2.24	4.59	3.58	**2.31**	0.00	2.04	0.75	0.00	0.75	0.14	**0.61**	0.00	3.55	2.52	**2.02**	0.00	0.00	0.00	**0.00**
53.00	89.72	87.05	85.43	88.09	87.12	0.00	1.14	2.18	4.59	3.58	**2.30**	0.00	2.04	0.75	0.00	0.75	0.14	**0.61**	0.00	3.55	2.52	**2.02**	0.00	0.00	0.00	**0.00**
44.00	87.39	84.62	82.48	85.53	84.61	0.00	1.14	1.78	4.40	3.57	**2.18**	0.00	1.95	0.75	0.00	0.75	0.14	**0.60**	0.00	3.53	2.32	**1.95**	0.00	0.00	0.00	**0.00**
37.00	84.93	82.11	79.42	82.89	82.04	0.00	1.14	1.24	3.94	3.36	**1.94**	0.00	1.55	0.75	0.00	0.71	0.12	**0.52**	0.00	3.24	1.83	**1.69**	0.00	0.00	0.00	**0.00**
31.00	82.14	79.33	76.00	79.97	79.19	0.00	1.14	0.72	3.38	2.88	**1.62**	0.00	1.01	0.75	0.00	0.50	0.03	**0.38**	0.00	2.81	1.23	**1.34**	0.00	0.00	0.00	**0.00**
15.60	68.69	66.48	60.17	66.77	65.82	0.00	1.14	0.00	2.24	1.45	**0.97**	0.00	0.00	0.75	0.00	0.00	0.00	**0.13**	0.00	1.84	0.00	**0.61**	0.00	0.00	0.00	**0.00**
7.80	50.33	49.51	40.49	49.82	47.70	0.00	0.77	0.00	1.75	1.32	**0.77**	0.00	0.00	0.63	0.00	0.00	0.00	**0.10**	0.00	1.34	0.00	**0.45**	0.00	0.00	0.00	**0.00**
3.90	29.89	30.26	21.56	30.61	27.71	0.00	0.22	0.00	0.89	0.65	**0.35**	0.00	0.00	0.13	0.00	0.00	0.00	**0.02**	0.00	0.47	0.00	**0.16**	0.00	0.00	0.00	**0.00**
2.00	15.45	15.89	10.29	16.16	13.99	0.00	0.00	0.00	0.23	0.11	**0.07**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.98	6.81	6.95	4.50	7.10	6.09	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.70	3.85	3.90	2.54	4.00	3.43	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.49	1.42	1.41	0.90	1.47	1.24	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**

	VibroCore				
2000	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
1000	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
710	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
500	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
355	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
250	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
212	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
150	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
125	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
106	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
90	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
63	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
45	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
38	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
31	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
16	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
8	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
4	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
2	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
P80	**#VALUE!**	**#VALUE!**	**#VALUE!**	**#VALUE!**	**#VALUE!**
P50	**#VALUE!**	**#VALUE!**	**#VALUE!**	**#VALUE!**	**#VALUE!**



PSD Analysis

D3-0-B	D3-1-B	D3-2-B	D3-3-B	D3-4-B	D3-5-B	D3_Ave	Size (µm)	Coarse	Nom	Fines
100.00	100.00	100.00	100.00	100.00	100.00	**100.00**	**2000.00**	100.00	100.00	100.00
100.00	100.00	100.00	100.00	100.00	99.77	**99.96**	**1000.00**	98.56	99.69	100.00
100.00	100.00	100.00	100.00	100.00	99.28	**99.88**	**840.00**	97.20	99.33	100.00
100.00	100.00	100.00	100.00	100.00	98.12	**99.69**	**710.00**	95.16	98.72	100.00
99.63	99.53	100.00	99.63	100.00	95.38	**99.03**	**590.00**	91.85	97.41	99.93
97.88	97.52	99.42	98.08	99.90	90.99	**97.30**	**500.00**	87.34	94.75	98.87
92.87	92.34	97.00	94.03	98.38	83.82	**93.07**	**420.00**	80.27	89.11	95.01
82.48	82.37	90.97	85.93	93.20	73.37	**84.72**	**350.00**	69.78	78.96	85.95
69.34	70.26	82.23	75.57	84.44	62.47	**74.05**	**300.00**	58.57	66.91	74.05
50.37	52.95	67.64	59.78	68.55	48.12	**57.90**	**250.00**	41.33	49.95	57.90
32.03	35.87	50.83	42.98	49.64	34.30	**40.94**	**210.00**	26.02	33.53	40.94
17.16	21.23	34.09	27.34	31.09	22.11	**25.50**	**177.00**	14.55	19.81	25.50
7.13	10.35	19.55	14.64	15.93	12.35	**13.33**	**149.00**	7.33	9.98	13.33
1.92	3.70	8.90	6.02	6.03	5.55	**5.35**	**125.00**	3.68	4.21	5.35
0.16	0.74	2.86	1.60	1.39	1.81	**1.43**	**105.00**	0.88	1.73	2.60
0.00	0.01	0.33	0.09	0.06	0.40	**0.15**	**88.00**	0.04	1.04	2.32
0.00	0.00	0.01	0.00	0.00	0.28	**0.05**	**74.00**	0.00	1.00	2.31
0.00	0.00	0.00	0.00	0.00	0.28	**0.05**	**63.00**	0.00	1.00	2.31
0.00	0.00	0.00	0.00	0.00	0.28	**0.05**	**53.00**	0.00	1.00	2.30
0.00	0.00	0.00	0.00	0.00	0.28	**0.05**	**44.00**	0.00	0.95	2.18
0.00	0.00	0.00	0.00	0.00	0.28	**0.05**	**37.00**	0.00	0.84	1.94
0.00	0.00	0.00	0.00	0.00	0.28	**0.05**	**31.00**	0.00	0.68	1.62
0.00	0.00	0.00	0.00	0.00	0.28	**0.05**	**15.60**	0.00	0.35	0.97
0.00	0.00	0.00	0.00	0.00	0.28	**0.05**	**7.80**	0.00	0.27	0.77
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**3.90**	0.00	0.11	0.35
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**2.00**	0.00	0.01	0.07
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.98**	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.70**	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.49**	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.24**	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.12**	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.06**	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.05**	0.00	0.00	0.00

PSD Analysis

	ROM - Selected Data		
	Coarse	Nom	Fines
2000	100.00	100.00	100.00
1000	98.56	99.69	100.00
710	95.16	98.72	100.00
500	87.34	94.75	98.87
355	70.68	79.92	86.88
250	41.33	49.95	57.90
212	26.77	34.38	41.86
150	7.53	10.28	13.73
125	3.68	4.21	5.35
106	0.99	1.81	2.65
90	0.08	1.07	2.32
63	0.00	1.00	2.31
45	0.00	0.96	2.20
38	0.00	0.86	1.98
31	0.00	0.68	1.62
16	0.00	0.35	0.97
8	0.00	0.279	0.78
4	0.00	0.11	0.37
2	0.00	0.01	0.07

C1-0-B	C1-1-B	C1-2-B	C2-0-B	C2-1-B	C2-4-B	C2-5-B	C3-0-B	C3-2-B	D3-0-B	D3-1-B	
5.1	1.2	3.4	14.4	0.9	2.8	0.6	0.7	1.1	3.9	4.2	3.5
94.9	98.8	96.6	85.6	99.1	97.2	99.4	99.3	98.9	96.1	95.8