

PNEUMATIC HAMMER CORE CORE # G-1

PROJECT: Galveston Island Beach Replenishment

STATE PLANNING
COORDINATES

3351747.84
551997.66

LAT/LONG.
COORDINATES

29°17.046° N
094°45.510° W

WATER DEPTH

20' 8"

DATE

5/10/94

START TIME

1200

END TIME

1316

CORE DIAMETER

3"

LENGTH OF BARREL

20'

PENETRATION DEPTH

13' 4"

LENGTH RECOVERED

12' 8"

SUPPORT VESSEL:

R/V Lonestar

POSITIONING:

Trimble Differential GPS

ANALYSIS BY:

M. Hamilton
Rice University

ANALYSIS METHODS:

Visual Logging
Auto. Settling Tube

DEPTH		LITHOLOGY	DESCRIPTION	GRAIN SIZE (PHI) MEAN	%SAND	%MUD
CM.	IN.					
32	12		Fine sand, bioturbation at base and shell fragments throughout.	2.50	97.70	1.93
64	24	22	Muddier sand at 22", with bioturbated mud/clay lams			
		34	Shell lag	3.07	88.71	11.16
96	36		Interlaminated/interbedded clay and muddy sand			
128	48	48	Highly laminated (textural) fine sand; appears muddy due to abundance of clay laminae.	3.24	56.33	43.67
160	60			3.324	64.51	35.49
192	72	70	Clay			
	84	78	Highly laminated (textural) fine sand; appears muddy due to abundance of clay laminae.	3.26	88.19	11.81
224	96					
256	108	102	Interlaminated clay and muddy sand			
288	120	114	Fine sand and very thin laminae (isolated) of clay			
320	132					
352	144	143	Very clayey sand with heavily bioturbated clay lams	2.80	93.45	6.55
384	156	149				
416	168					
448	180					
480	192					



SAND



MUDDY SAND



MUDDY SAND/CLAY
INTERLAM.



MUDDY SAND/CLAY
INTERBEDS



CLAYEY
SAND



SANDY
CLAY



SHELLY SAND



SHELL HASH



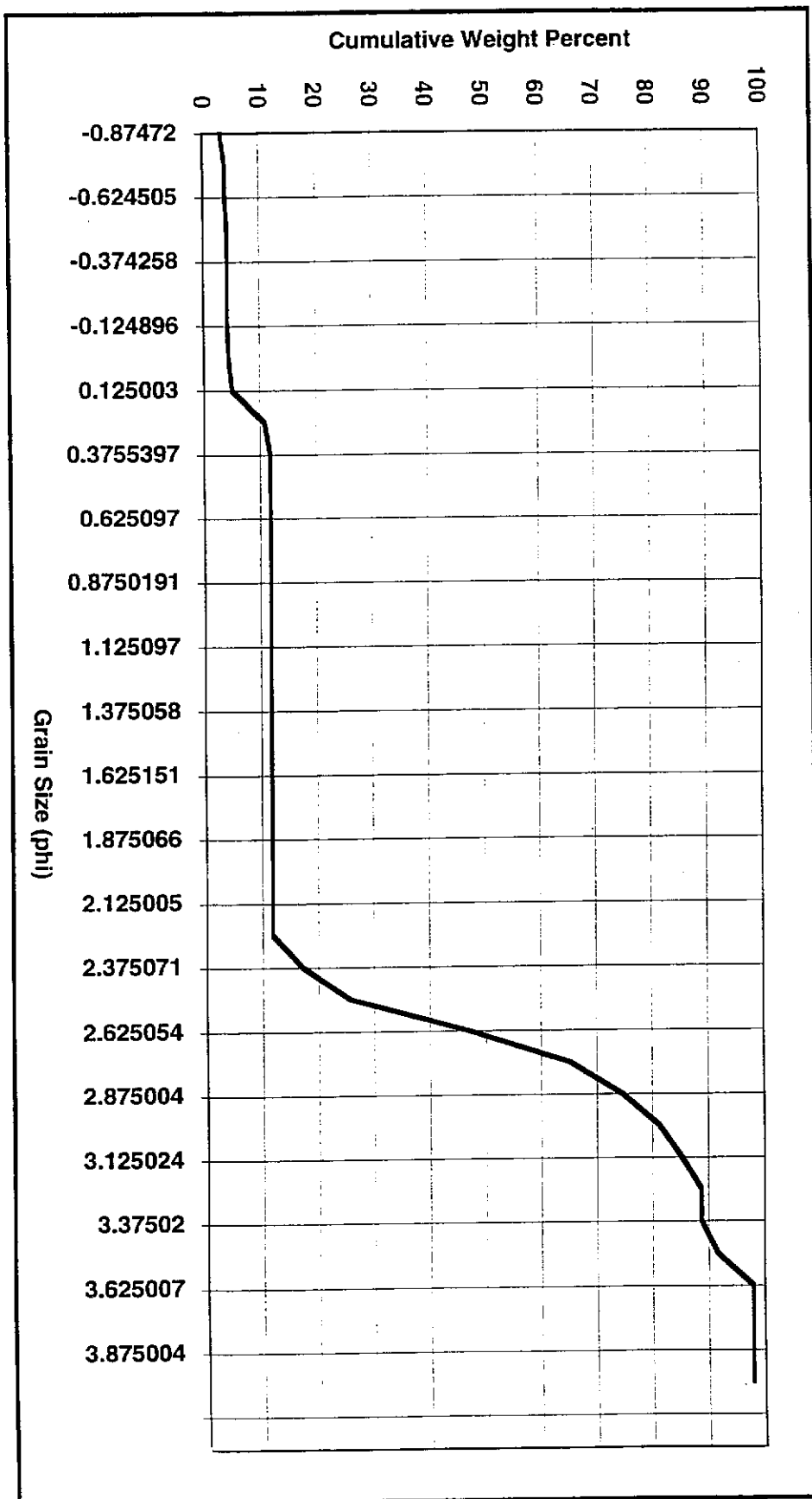
CLAY



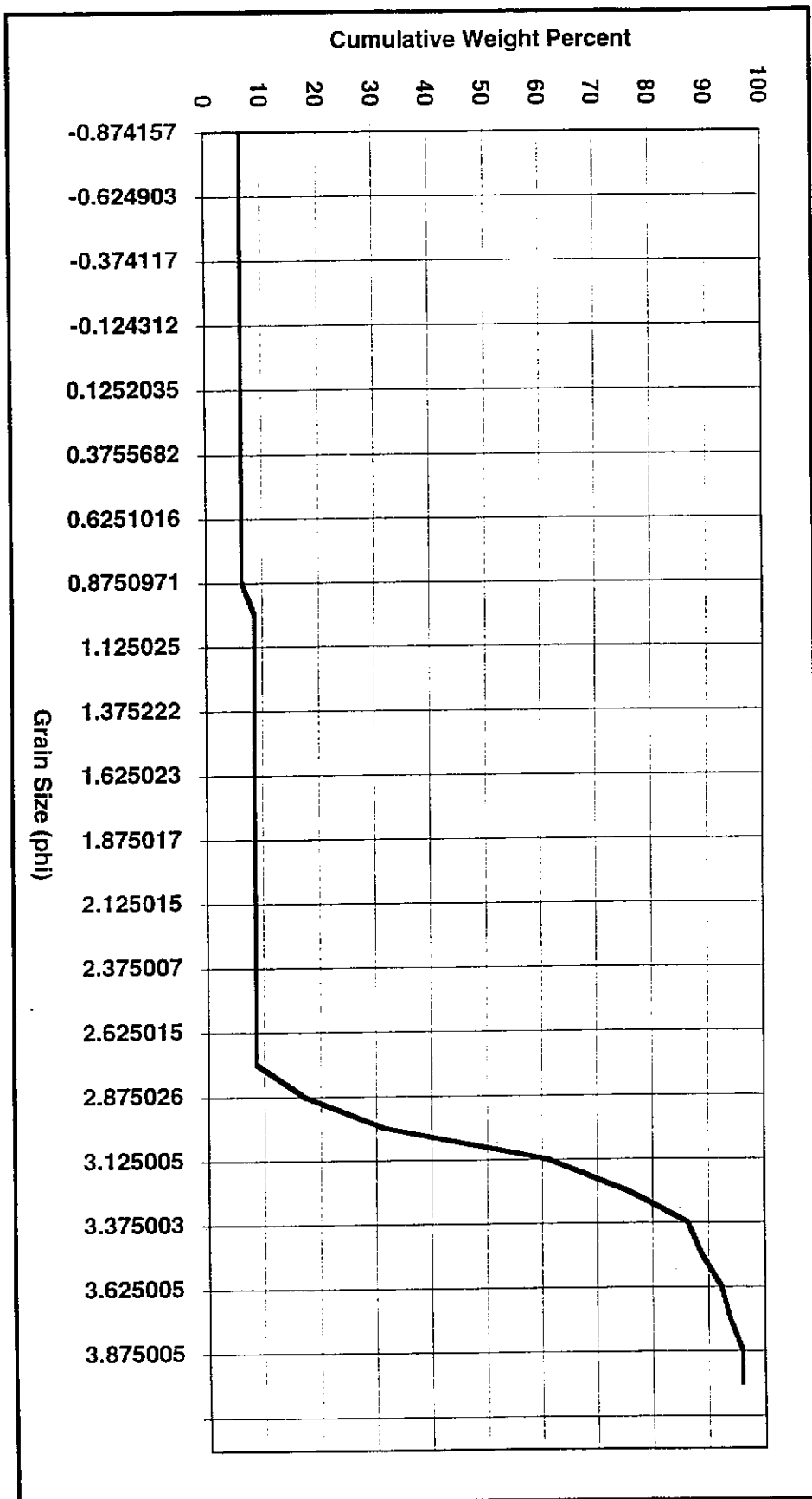
MUD

File	c	110001.dat	Date	06-28-1994
Sample name	g-1-1.0'			
Data collected on	6/27/94			
Total settling time (min)	8.066667			
Settling distance (cm)	140			
Water temperature (degrees C)	21			
		CUMULATIVE WEIGHT %		INDIVIDUAL WEIGHT %
PH	TIME(SEC)	% VALUE	RANGE	% VALUE
-0.9987372	5.159447	2.9		
-0.8747199	5.517604	3	-1	-0.875
-0.7490318	5.914483	3.8	-0.875	-0.75
-0.6245047	6.345241	3.8	-0.75	-0.625
-0.4995278	6.819561	4.1	-0.625	-0.5
-0.3742583	7.342282	4.1	-0.5	-0.375
-0.2499682	7.913404	4.1	-0.375	-0.25
-0.1248957	8.547447	4.1	-0.25	-0.125
3.00E-04	9.249241	4.3	-0.125	0
0.125003	10.02365	4.9	0	0.125
0.2508482	10.89001	10.6	0.125	0.25
0.3755397	11.84833	11.7	0.25	0.375
0.5000237	12.91313	11.7	0.375	0.5
0.625097	14.1086	11.7	0.5	0.625
0.7502809	15.44929	11.7	0.625	0.75
0.8750191	16.94968	11.7	0.75	0.875
1.000091	18.64364	11.7	0.875	1
1.125097	20.55544	11.7	1	1.125
1.250028	22.71888	11.7	1.125	1.25
1.375058	25.17768	11.7	1.25	1.375
1.500153	27.97997	11.7	1.375	1.5
1.625151	31.17932	11.7	1.5	1.625
1.750058	34.84326	11.7	1.625	1.75
1.875086	39.05887	11.7	1.75	1.875
2.00001	43.91824	11.7	1.875	2
2.125005	49.54228	11.7	2	2.125
2.250048	56.07149	11.7	2.125	2.25
2.375071	63.67005	17	2.25	2.375
2.500061	72.53685	25.5	2.375	2.5
2.625054	82.91396	46.8	2.5	2.625
2.750031	95.08652	65	2.625	2.75
2.875004	109.3985	74.5	2.75	2.875
3.000021	126.2663	81.1	2.875	3
3.125024	146.1729	85.1	3	3.125
3.250015	169.7004	88.6	3.125	3.25
3.37502	197.5495	88.6	3.25	3.375
3.500002	230.539	91.5	3.375	3.5
3.625007	269.6655	97.9	3.5	3.625
3.750002	316.0908	97.9	3.625	3.75
3.875004	371.2139	97.9	3.75	3.875
4.000007	436.6891	97.9	3.875	4
SEDIDAT STATISTICS				
GROUPED MOMENT MEASURES (McBride, 1971)				
	.125 CHI	.125 PHI		
Mean	5.551412	2.518684		
Standard deviation	1.379491	0.8534209		
Skewness	-1.781614	-2.14816		
Kurtosis	5.650881	7.460131		
GRAPHIC MEASURES (Folk and Ward, 1957)				
	.125 CHI	.125 PHI		
Mean	5.932795	2.648807		
Standard deviation	0.8621368	0.6289133		
Skewness	-0.2805083	-0.3560303		
Kurtosis	2.676926	3.213616		
MODES				
Number	Velocity	CHI	PHI	Freq. %
1	0.6711281	7.219196	3.419309	3.191502
2	13.14801	2.927084	2.168736	3.191501
3	0.3796013	8.041299	3.869974	3.191483
4	0.5951774	7.392465	3.516145	3.191483
5	1.241443	6.331838	2.901709	3.191483
PARAMETERS USED				
Number of data points	1000			
Gibbs eq. constants	0.055804	0.003114	4.5	8.71E-03
Dynamic viscosity (poises)	0.01			
Acceleration of gravity (cm/s)	979.21			
Fluid density (g/ml)	0.998			
Particle density (g/cm3)	2.65			
Size conversion using Komar FORAM correction, RD	0.9859			

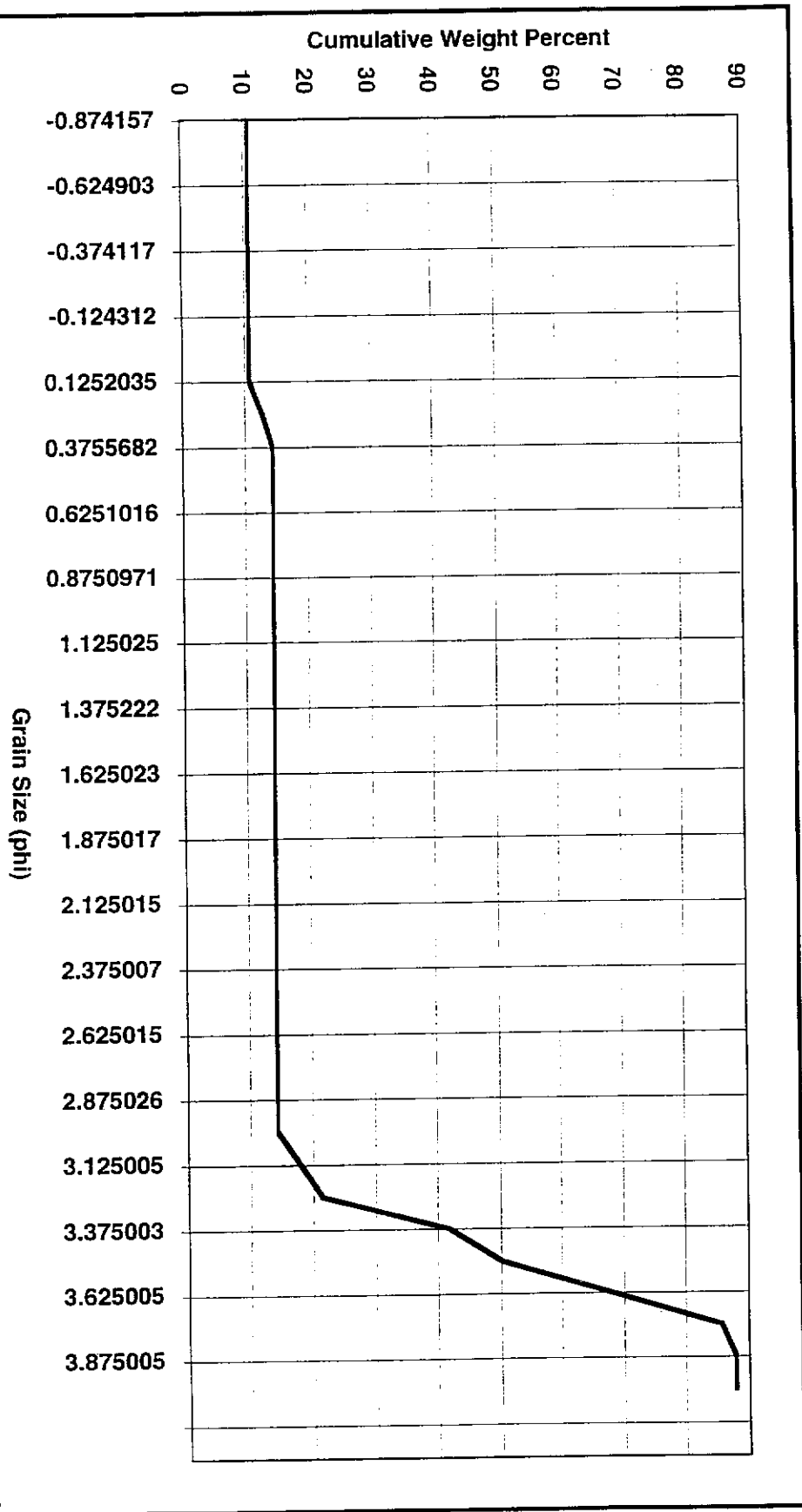
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File	a	t20001.dat	Date	06-28-1994	
Sample name	g-1-2.5'				
Data collected on	6/16/94				
Total settling time (min)	8.083333				
Settling distance (cm)	140				
Water temperature (degrees C)	21				
	CUMULATIVE WEIGHT %		INDIVIDUAL WEIGHT %		
PHI	TIME(SEC)	% VALUE	RANGE	% VALUE	
-0.9983899	5.160407	6.2			
-0.8741565	5.519304	6.2	-1	-0.875	0
-0.7497373	5.912152	6.2	-0.875	-0.75	0
-0.6249025	6.343801	6.2	-0.75	-0.625	0
-0.4996436	6.819101	6.2	-0.625	-0.5	0
-0.3741167	7.342902	6.2	-0.5	-0.375	0
-0.2495951	7.915204	6.2	-0.375	-0.25	0
-0.1243118	8.550557	6.2	-0.25	-0.125	0
2.51E-04	9.248951	6.2	-0.125	0	0
0.1252035	10.02496	6.2	0	0.125	0
0.2504074	10.88826	6.2	0.125	0.25	0
0.3755682	11.84856	6.2	0.25	0.375	0
0.5002926	12.91556	6.2	0.375	0.5	0
0.6251016	14.10865	6.2	0.5	0.625	0
0.7501019	15.44726	6.2	0.625	0.75	0
0.8750971	16.95067	6.2	0.75	0.875	0
1.000072	18.64336	8.4	0.875	1	2.2
1.125025	20.55427	8.4	1	1.125	0
1.250206	22.72218	8.4	1.125	1.25	0
1.375222	25.18113	8.4	1.25	1.375	0
1.500138	27.9796	8.4	1.375	1.5	0
1.625023	31.17583	8.4	1.5	1.625	0
1.750034	34.84249	8.4	1.625	1.75	0
1.875017	39.05711	8.4	1.75	1.875	0
2.000092	43.92166	8.4	1.875	2	0
2.125015	49.54277	8.4	2	2.125	0
2.250037	56.07092	8.4	2.125	2.25	0
2.375007	63.66588	8.4	2.25	2.375	0
2.500058	72.53645	8.4	2.375	2.5	0
2.625015	82.9105	8.4	2.5	2.625	0
2.750009	95.08424	8.4	2.625	2.75	0
2.875026	109.4013	16.9	2.75	2.875	8.5
3.000012	126.2651	31.3	2.875	3	14.4
3.125005	146.1695	61	3	3.125	29.7
3.250022	169.7019	75.5	3.125	3.25	14.5
3.375003	197.5455	86.2	3.25	3.375	10.7
3.500006	230.5401	88.7	3.375	3.5	2.5
3.625005	269.6649	92.3	3.5	3.625	3.600006
3.75001	316.0943	93.8	3.625	3.75	1.5
3.875005	371.2144	96	3.75	3.875	2.199997
4.000007	436.6894	96	3.875	4	0
SEDIMENT STATISTICS					
GROUPED MOMENT MEASURES (McBride, 1971)					
		.125 CHI	.125 PHI		
Mean		6.660562	3.076002		
Standard deviation		0.6151917	0.4038343		
Skewness		-2.68632	-3.347002		
Kurtosis		16.21268	19.76254		
GRAPHIC MEASURES (Folk and Ward, 1957)					
		.125 CHI	.125 PHI		
Mean		6.642559	3.084409		
Standard deviation		1.695602	1.908046		
Skewness		-2.538232	-5.95259		
Kurtosis		8.703331	17.79583		
MODES					
Number	Velocity	CHI	PHI	Freq. %	
1	1.131999	6.464983	2.982106	2.307687	
2	1.850383	5.756032	2.539804	2.307687	
3	3.798155	4.718557	1.812064	2.307687	
4	0.3025784	8.368475	4.044228	2.307686	
5	0.3100535	8.333267	4.025586	2.307686	
PARAMETERS USED					
Number of data points	1000				
Gibbs eq. constants	0.055804	0.003114	4.5	8.71E-03	
Dynamic viscosity (poises)	0.01				
Acceleration of gravity (cm/s)	979.21				
Fluid density (g/ml)	0.998				
Particle density (g/cm3)	2.65				
Size conversion using Komar FORAM correction, RD	0.9859				

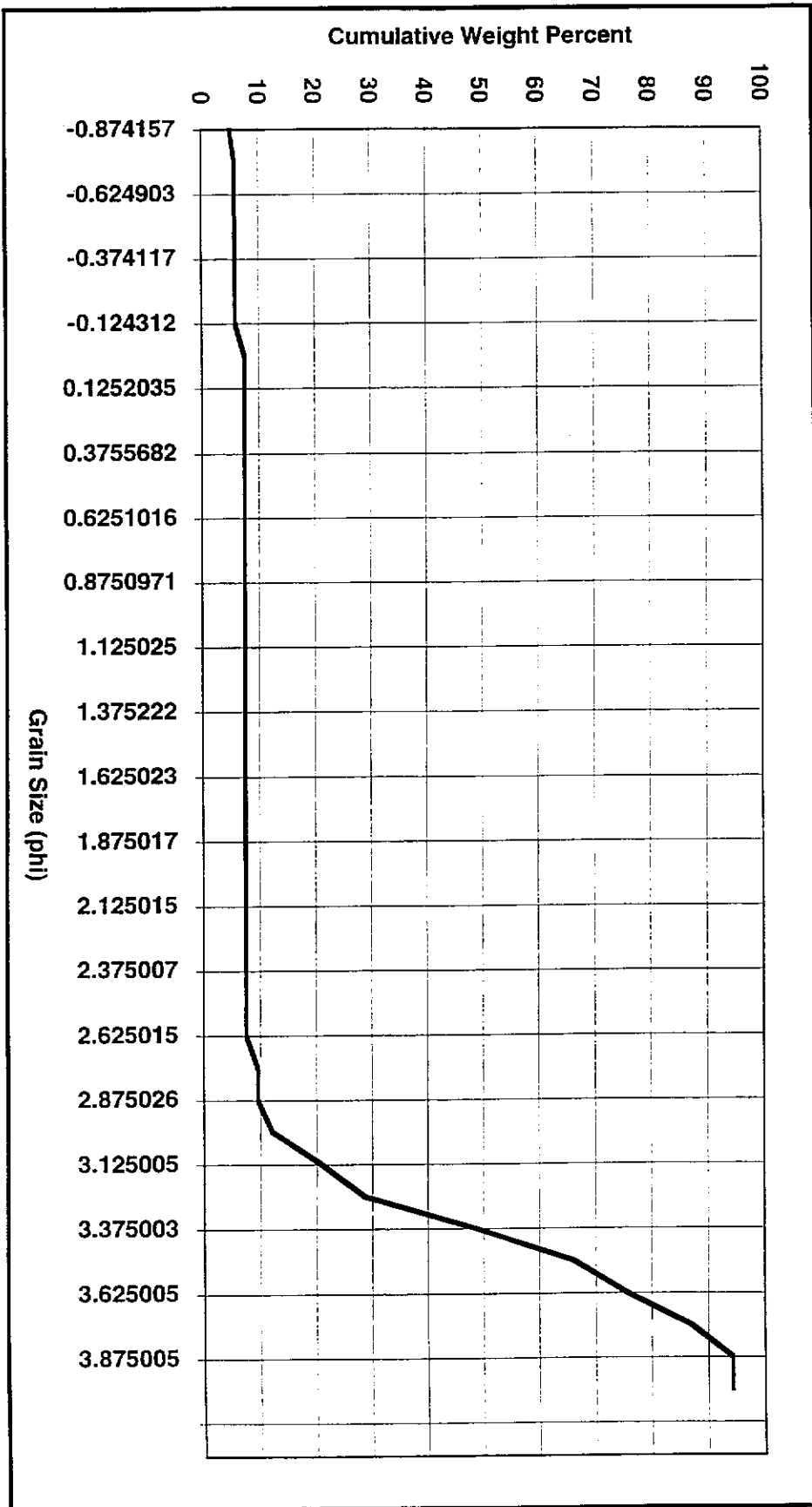


File	c	t30001.dat	Date	06-28-1994
Sample name	g-1-4.5'			
Data collected on	1/1/80			
Total settling time (min)	8.083333			
Settling distance (cm)	140			
Water temperature (degrees C)	21			
		CUMULATIVE WEIGHT %		INDIVIDUAL WEIGHT %
PHI	TIME(SEC)	% VALUE	RANGE	% VALUE
-0.9983899	5.160407	10.7		
-0.8741565	5.519304	10.7	-1	-0.875
-0.7497373	5.912152	10.7	-0.875	-0.75
-0.6249025	6.343801	10.7	-0.75	-0.625
-0.4996436	6.819101	10.7	-0.625	-0.5
-0.3741167	7.342902	10.7	-0.5	-0.375
-0.2495951	7.915204	10.7	-0.375	-0.25
-0.1243118	8.550557	10.7	-0.25	-0.125
2.51E-04	9.248951	10.7	-0.125	0
0.1252035	10.02496	10.7	0	0.125
0.2504074	10.88826	12.7	0.125	0.25
0.3755682	11.84856	14.3	0.25	0.375
0.5002926	12.91556	14.3	0.375	0.5
0.6251016	14.10865	14.3	0.5	0.625
0.7501019	15.44726	14.3	0.625	0.75
0.8750971	16.95067	14.3	0.75	0.875
1.000072	18.64336	14.3	0.875	1
1.125025	20.55427	14.3	1	1.125
1.250206	22.72218	14.3	1.125	1.25
1.375222	25.18113	14.3	1.25	1.375
1.500138	27.9796	14.3	1.375	1.5
1.625023	31.17583	14.3	1.5	1.625
1.750034	34.84249	14.3	1.625	1.75
1.875017	39.05711	14.3	1.75	1.875
2.000092	43.92166	14.3	1.875	2
2.125015	49.54277	14.3	2	2.125
2.250037	56.07092	14.3	2.125	2.25
2.375007	63.66588	14.3	2.25	2.375
2.500056	72.53645	14.3	2.375	2.5
2.625015	82.9105	14.3	2.5	2.625
2.750009	95.08424	14.3	2.625	2.75
2.875026	109.4013	14.3	2.75	2.875
3.000012	126.2651	14.3	2.875	3
3.125005	146.1695	17.9	3	3.125
3.250022	169.7019	21.4	3.125	3.25
3.375003	197.5455	41.7	3.25	3.375
3.500006	230.5401	50	3.375	3.5
3.625005	269.6649	67.9	3.5	3.625
3.75001	316.0943	85.7	3.625	3.75
3.875005	371.2144	87.9	3.75	3.875
4.000007	436.6894	87.9	3.875	4
SEDIMENT STATISTICS				
GROUPED MOMENT MEASURES (McBride, 1971)				
	.125 CHI	.125 PHI		
Mean	7.323652	3.324158		
Standard deviation	0.3957233	0.7062095		
Skewness	-2.391126	-3.829861		
Kurtosis	18.26783	16.96379		
GRAPHIC MEASURES (Folk and Ward, 1957)				
	.125 CHI	.125 PHI		
Mean	7.152559	3.376371		
Standard deviation	1.997747	2.26579		
Skewness	-0.5417163	-0.6347501		
Kurtosis	6.850139	15.11755		
MODES				
Number	Velocity	CHI	PHI	Freq. %
1	0.5306246	7.558093	3.607696	5.357166
2	1.101755	6.504053	3.005491	5.357148
3	0.8200562	6.930061	3.254984	5.357148
4	0.4708969	7.730373	3.701974	5.357128
5	0.3010008	8.376017	4.048218	3.571445
PARAMETERS USED				
Number of data points	1000			
Gibbs eq. constants	0.055804	0.003114	4.5	8.71E-03
Dynamic viscosity (poises)	0.01			
Acceleration of gravity (cm/s)	979.21			
Fluid density (g/ml)	0.998			
Particle density (g/cm3)	2.65			
Size conversion using Komar FORAM correction, RD	0.9859			



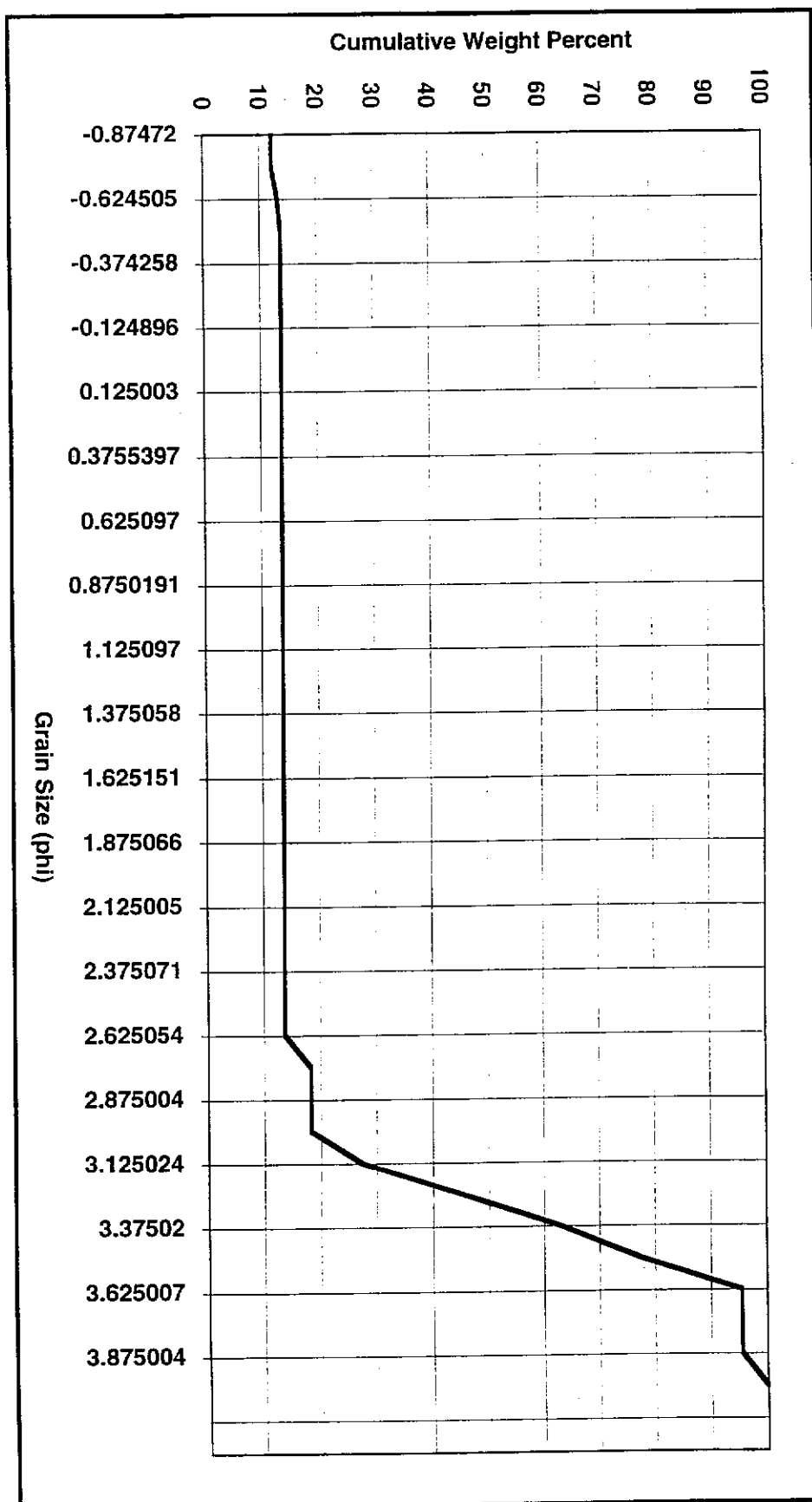
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Sample name	G-1-5.3'		
Data collected on	6/18/94		
Total settling time (min)	8.083333		
Settling distance (cm)	140		
Water temperature (degrees C)	21		
	CUMULATIVE WEIGHT %		INDIVIDUAL WEIGHT %
PHI	TIME(SEC)	% VALUE	RANGE % VALUE
-0.9983899	5.160407	3.8	
-0.8741585	5.519304	4.9	- 1 -0.875 1.1
-0.7497373	5.912152	5.7	-0.875 -0.75 0.7999997
-0.6249025	6.343801	5.7	-0.75 -0.625 0
-0.4996436	6.819101	5.7	-0.625 -0.5 0
-0.3741167	7.342902	5.7	-0.5 -0.375 0
-0.2495951	7.915204	5.7	-0.375 -0.25 0
-0.1243118	8.550557	5.7	-0.25 -0.125 0
2.51E-04	9.248951	7.3	-0.125 0 1.6
0.1252035	10.02496	7.3	0 0.125 0
0.2504074	10.88826	7.3	0.125 0.25 0
0.3755682	11.84856	7.3	0.25 0.375 0
0.5002926	12.91556	7.3	0.375 0.5 0
0.6251016	14.10865	7.3	0.5 0.625 0
0.7501019	15.44726	7.3	0.625 0.75 0
0.8750971	16.95067	7.3	0.75 0.875 0
1.000072	18.64336	7.3	0.875 1 0
1.125025	20.55427	7.3	1 1.125 0
1.250206	22.72218	7.3	1.125 1.25 0
1.375222	25.18113	7.3	1.25 1.375 0
1.500138	27.9796	7.3	1.375 1.5 0
1.625023	31.17583	7.3	1.5 1.625 0
1.750034	34.84249	7.3	1.625 1.75 0
1.875017	39.05711	7.3	1.75 1.875 0
2.000092	43.92166	7.3	1.875 2 0
2.125015	49.54277	7.3	2 2.125 0
2.250037	56.07092	7.3	2.125 2.25 0
2.375007	63.66588	7.3	2.25 2.375 0
2.500056	72.53645	7.3	2.375 2.5 0
2.625015	82.9105	7.3	2.5 2.625 0
2.750009	95.08424	9.4	2.625 2.75 2.099999
2.875026	109.4013	9.4	2.75 2.875 0
3.000012	126.2651	12	2.875 3 2.6
3.125005	146.1695	20.8	3 3.125 8.799999
3.250022	169.7019	28.5	3.125 3.25 7.700001
3.375003	197.5455	48.5	3.25 3.375 20
3.500006	230.5401	66	3.375 3.5 17.5
3.625005	269.6649	75.5	3.5 3.625 9.5
3.75001	316.0943	86.8	3.625 3.75 11.3
3.875005	371.2144	94.3	3.75 3.875 7.5
4.000007	436.6894	94.3	3.875 4 0
SEDIMENT STATISTICS			
GROUPED MOMENT MEASURES (McBride, 1971)			
		.125 CHI	.125 PHI
Mean		6.997445	3.243163
Standard deviation		1.028962	0.796807
Skewness		-3.741219	-4.132645
Kurtosis		19.14578	20.42463
GRAPHIC MEASURES (Folk and Ward, 1957)			
		.125 CHI	.125 PHI
Mean		7.1297	3.364831
Standard deviation		1.160089	0.852896
Skewness		-1.308895	-1.9742
Kurtosis		2.985905	4.140653
MODES			
Number	Velocity	CHI	PHI
			PHI Freq. %
1	0.4618556	7.758342	3.717195 2.8302 ;
2	3.608247	4.792558	1.897879 2.830199 ;
3	0.3117276	8.325499	4.021469 2.830181 ;
4	0.3621829	8.109066	3.906262 2.830181 ;
5	1.368056	6.191729	2.815866 2.830181 ;
PARAMETERS USED			
Number of data points	1000		
Gibbs eq. constants	0.055804	0.003114	4.5 8.71E-03
Dynamic viscosity (poises)	0.01		
Acceleration of gravity (cm/s)	979.21		
Fluid density (g/ml)	0.998		
Particle density (g/cm3)	2.65		
Size conversion using Komar FORAM correction, RD	0.9859		

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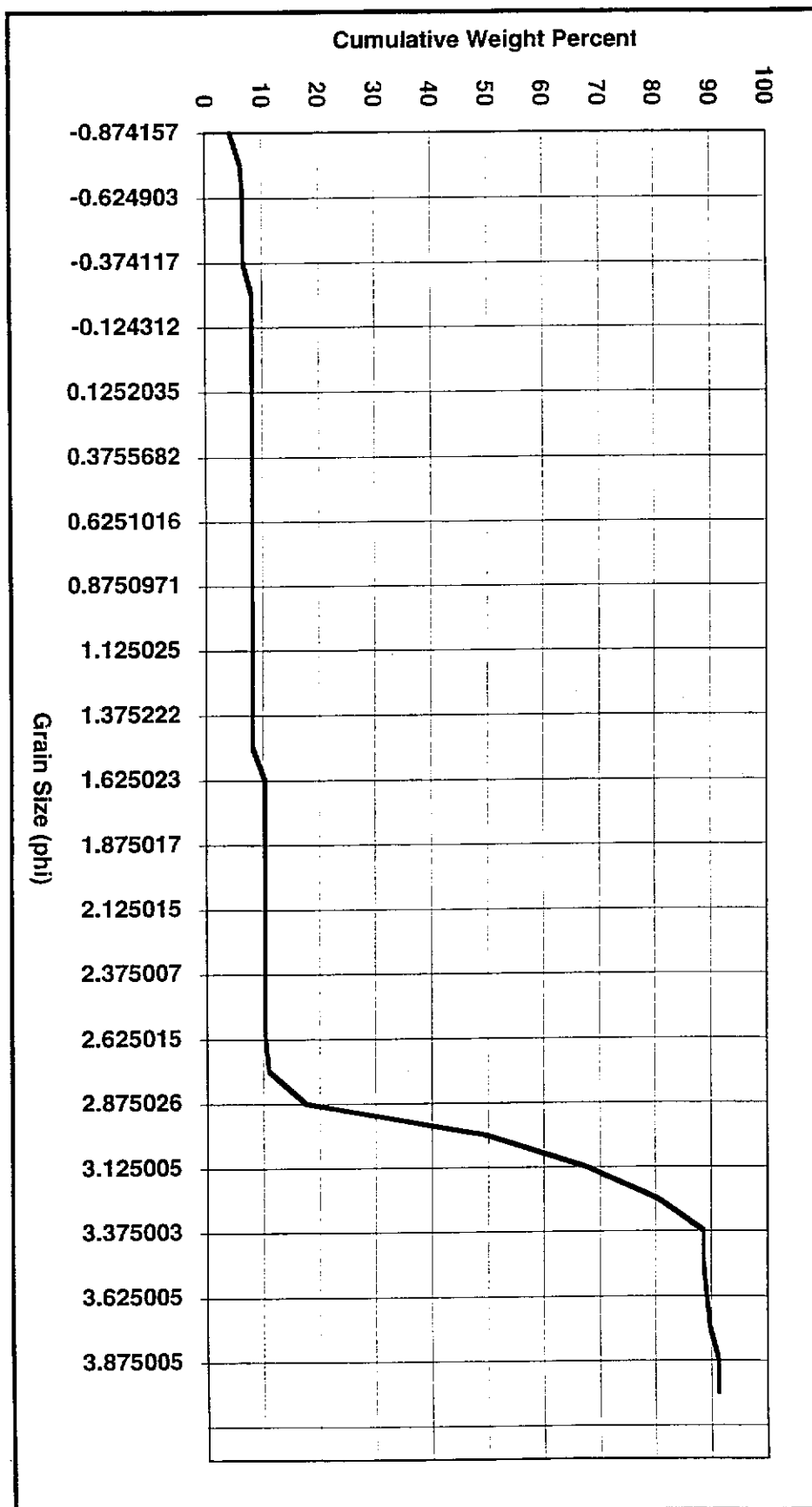
File	c	150001.dat	Date	06-20-1994
Sample name	g-1-7.5'			
Data collected on	6/27/94			
Total settling time (min)	8.06667			
Settling distance (cm)	140			
Water temperature (degrees C)	21			
		CUMULATIVE WEIGHT %	INDIVIDUAL WEIGHT %	
PHI	TIME(SEC)	% VALUE	RANGE	% VALUE
-0.9987372	5.159447	12.1		
-0.8747199	5.517604	12.1	-1	-0.875
-0.7490318	5.914483	12.1	-0.875	-0.75
-0.6245047	6.345241	13.1	-0.75	-0.625
-0.4995278	6.819561	13.6	-0.625	-0.5
-0.3742583	7.342282	13.6	-0.5	-0.375
-0.2499682	7.913404	13.6	-0.375	-0.25
-0.1248957	8.547447	13.6	-0.25	-0.125
3.00E-04	9.249241	13.6	-0.125	0
0.125003	10.02365	13.6	0	0.125
0.2506482	10.89001	13.6	0.125	0.25
0.3755397	11.84833	13.6	0.25	0.375
0.5000237	12.91313	13.6	0.375	0.5
0.625097	14.1086	13.6	0.5	0.625
0.7502809	15.44929	13.6	0.625	0.75
0.8750191	16.94968	13.6	0.75	0.875
1.000091	18.64364	13.6	0.875	1
1.125097	20.55544	13.6	1	1.125
1.250028	22.71888	13.6	1.125	1.25
1.375058	25.17768	13.6	1.25	1.375
1.500153	27.97997	13.6	1.375	1.5
1.625151	31.17932	13.6	1.5	1.625
1.750058	34.84326	13.6	1.625	1.75
1.875066	39.05887	13.6	1.75	1.875
2.00001	43.91824	13.6	1.875	2
2.125005	49.54228	13.6	2	2.125
2.250048	56.07149	13.6	2.125	2.25
2.375071	63.67005	13.6	2.25	2.375
2.500061	72.53685	13.6	2.375	2.5
2.625054	82.91396	13.6	2.5	2.625
2.750031	95.08652	18.2	2.625	2.75
2.875004	109.3995	18.2	2.75	2.875
3.000021	126.2663	18.2	2.875	3
3.125024	146.1729	27.2	3	3.125
3.250015	169.7004	45.5	3.125	3.25
3.37502	197.5495	62.9	3.25	3.375
3.500002	230.539	77.3	3.375	3.5
3.625007	269.6655	95.5	3.5	3.625
3.750002	316.0908	95.5	3.625	3.75
3.875004	371.2139	95.5	3.75	3.875
4.000007	436.6891	100	3.875	4
SEDIDAT STATISTICS				
GROUPED MOMENT MEASURES (McBride, 1971)				
	.125 CHI	.125 PHI		
Mean	7.164223	3.26486		
Standard deviation	0.326859	0.57512		
Skewness	0.5200273	-5.311671		
Kurtosis	2.913382	36.69898		
GRAPHIC MEASURES (Folk and Ward, 1957)				
	.125 CHI	.125 PHI		
Mean	3.989578	-0.5576558		
Standard deviation	4.156948	5.303548		
Skewness	-0.9400685	-1.026391		
Kurtosis	0.5216788	0.5912486		
MODES				
Number	Velocity	CHI	PHI	Freq. %
1	0.5988741	7.383532	3.511179	6.818165
2	2.493588	5.325633	2.251336	6.818162
3	0.8482587	5.88128	3.226888	6.818161
4	0.335564	8.219196	3.965011	4.545471
5	0.5307453	7.557765	3.607515	4.545471
PARAMETERS USED				
Number of data points	1000			
Gibbs eq. constants	0.055804	0.003114	4.5	8.71E-03
Dynamic viscosity (poises)	0.01			
Acceleration of gravity (cm/s)	979.21			
Fluid density (g/ml)	0.998			
Particle density (g/cm3)	2.65			
Size conversion using Komar FORAM correction, RD	0.9859			

50001



File	c	t60001.dat	Date	06-28-1994
Sample name	g-1-11.8'			
Date collected on	6/27/94			
Total settling time (min)	8.083333			
Settling distance (cm)	140			
Water temperature (degrees C)	21			
		CUMULATIVE WEIGHT %		INDIVIDUAL WEIGHT %
PHI	TIME(SEC)	% VALUE	RANGE	% VALUE
-0.9983899	5.160407	3		
-0.8741565	5.519304	4.3	-1	-0.875
-0.7497373	5.912152	6.1	-0.875	-0.75
-0.6249025	6.343801	6.5	-0.75	-0.625
-0.4996436	6.819101	6.5	-0.625	-0.5
-0.3741167	7.342902	6.5	-0.5	-0.375
-0.2495951	7.915204	8	-0.375	-0.25
-0.1243118	8.550557	8	-0.25	-0.125
2.51E-04	9.248951	8	-0.125	0
0.1252035	10.02496	8	0	0.125
0.2504074	10.88826	8	0.125	0.25
0.3755682	11.84856	8	0.25	0.375
0.5002926	12.91556	8	0.375	0.5
0.6251016	14.10865	8	0.5	0.625
0.7501019	15.44726	8	0.625	0.75
0.8750971	16.95067	8	0.75	0.875
1.000072	18.64336	8	0.875	1
1.125025	20.55427	8	1	1.125
1.250206	22.72218	8	1.125	1.25
1.375222	25.18113	8	1.25	1.375
1.500138	27.9796	8	1.375	1.5
1.625023	31.17583	10.3	1.5	1.625
1.750034	34.84249	10.3	1.625	1.75
1.875017	39.05711	10.3	1.75	1.875
2.000092	43.92166	10.3	1.875	2
2.125015	49.54277	10.3	2	2.125
2.250037	56.07092	10.3	2.125	2.25
2.375007	63.66588	10.3	2.25	2.375
2.500056	72.53645	10.3	2.375	2.5
2.625015	82.9105	10.3	2.5	2.625
2.750009	95.08424	10.9	2.625	2.75
2.875026	109.4013	17.4	2.75	2.875
3.000012	126.2651	49.3	2.875	3
3.125005	146.1695	67.4	3	3.125
3.250022	169.7019	80.4	3.125	3.25
3.375003	197.5455	88.5	3.25	3.375
3.500006	230.5401	88.5	3.375	3.5
3.625005	269.6649	89.1	3.5	3.625
3.75001	316.0943	89.7	3.625	3.75
3.875005	371.2144	91.3	3.75	3.875
4.000007	436.6894	91.3	3.875	4
SEDIMENT STATISTICS				
GROUPED MOMENT MEASURES (McBride, 1971)				
	.125 CHI	.125 PHI		
Mean	6.251599	2.807687		
Standard deviation	1.237398	0.9090189		
Skewness	-2.847147	-3.282184		
Kurtosis	10.56046	12.86094		
GRAPHIC MEASURES (Folk and Ward, 1957)				
	.125 CHI	.125 PHI		
Mean	6.552185	3.031415		
Standard deviation	1.016395	0.7694936		
Skewness	-0.4282099	-0.6749396		
Kurtosis	5.422366	7.245324		
MODES				
Number	Velocity	CHI	PHI	Freq. %
1	0.3833463	8.027136	3.862376	3.260883
2	1.212856	6.385448	2.922108	3.260861
3	0.31308	8.319253	4.018158	2.173923
4	0.3214474	8.281201	3.997971	2.173923
5	0.3490445	8.162374	3.934733	2.173923
PARAMETERS USED				
Number of data points	1000			
Gibbs eq. constants	0.055804	0.003114	4.5	6.71E-03
Dynamic viscosity (poises)	0.01			
Acceleration of gravity (cm/s)	979.21			
Fluid density (g/ml)	0.998			
Particle density (g/cm3)	2.65			
Size conversion using Komar FORAM correction, RD	0.9859			

60001



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