2.1

MINERAL RESEARCH CANADA Inc.

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LOCATION AND ACCESS TO PROPERTY

The kaolin/silica project claims are located in the townships of Kipling and Emerson in the area of and comprising the claims historically known as the Douglas property. The claims are on the Mattagami River in the area of the Kipling Hydro dam approximately 100 miles southwest of James Bay in Ontario.

The claims are accessible by driving north on highway 634 from Smooth Rock Falls to Fraserdale (approximately 45.0 miles). Then a private Ontario Hydro road may be taken west for 40 miles to the Smoky Falls dam. A road then continues north for approximately 6 miles to the Kipling dam.

CLAIM NUMBERS

The kaolin/silica property consists of 367 claims (as of Oct. 14, 1992) as well as 8 patented and one leased claim. The claim numbers are P 900001 - P 900100, P1089038 - 1089073, 1089078 - 1809111, 1090037 - 1090044, 1112282 to 1112306, 1112317 - 1112351, 825792 - 825811, 880001 - 880016, 970070 - 970104, 970168 - 970200 & 983551 - 983566.

The claim numbers that this work is to be filed on are P 1112282 - 1112306 & 1112317 - 1112351.

OWNERSHIP

The claims are wholly owned by Great Lakes Kaolin Inc.

PREVIOUS WORK

The property history as complied by A. Gourley (1989) cites Robert Bell of the GSC as the first person to document the presence to clay and lignite in the James Bay Lowlands on Coal Brook in 1875. Borron (1891) reported extensive deposits of silica and clay on the Missinaibi River. In 1925, a report was produced by H. S. Hancock for McCarthy & Douglas regarding nine claims held on the bank of the Mattagami River and a company was formed (Northern Ontario China Clay Corporation).

In 1934 Minefinders Ltd financed the drilling of 18 holes on the west side of the Mattagami, directly across from the Douglas property, which became known as the General Refractory Products Ltd.

Fifteen holes were drilled in 1959 - 1960 by American Nepheline Ltd. with nine of these being in Kipling township.

The China Clay Syndicate comprised of New Calumet and Crang Securities drilled one hole to a depth of 163.0' north of the Douglas property in 1962. This hole is now known as C-1 after ownership transferal to the Chesterfield Mining & Exploration Co. Ltd.

Exploration in this areas continued in 1970, when Indusmin Ltd. drilled nine holes. The overburden depth in this area was approximately 100.0'.

Six hole were drilled by Geocon Ltd. on the Douglas claims in 1972. These claims were being leased by Brascan and a report was issued by C. Norman Simpson Consultants Ltd.

Ontario Geological Survey from 1975 - 1978 performed a drilling, geophysical, laboratory and field mapping study to determine Mesozoic stratigraphy.

Drilling was again conducted during 1981 by Selco Ltd. after a airborne magnetometer survey was completed. The seven holes were drilled into the anomalous magnetic areas.

Carlson Mines Ltd. optioned the Douglas property in 1985, and drilled five additional holes into the property. At this time a bulk sample was taken from the Douglas on which test work was performed by the Ontario Research Foundation (now Ortech International) and Lakefield Research. Carlson Mines Ltd. failed to complete option payments on the property resulting in forfeiture.

In 1989 the Douglas property was acquired by 798839 Ontario Ltd. (under the management of James Bay Kaolin Corp.), as well adjoining claims were staked to bring the total to 380 claims. An exhaustive drilling program of 168 holes was undertaken in which WRA, STEM, viscosity, abrasion, particle size distributions, and various separation techniques were develop[ed as well as construction of a pilot plant begun.

In 1990 James Bay Kaolin Corp. was relieved of its managerial duties due to an improper rendering of accounts. The testing work continued, a 13 000 tonne bulk sample extracted and a 15 hole drilling program was completed in 1992 under the name of Mineral Research Canada Inc. for its associated company Great Lakes Kaolin Inc.

TESTING PROCEDURES

The following tests are used almost exclusively by the pulp & paper industry for the testing of kaolin and to a limited extent by the ceramics, rubber and other industries. These being: viscosity, abrasion, particle size distribution (by Ro-tap & Sedigraph), moisture, brightness and pH. Due to the highly lensic nature of the Moose River deposit extensive testing is required as each lithologic unit must be treated separately to evaluate its potential. The methods and equipment models used are described for each test.

VISCOSITY - provides a rough indicator as to the presence of smectites (a similar clay mineral to kaolin but has a quality of expanding to up to 11 times its length in the presence of water due to hydroxyl encorporation into the lattice structure). Viscosity is critical in the pulp and paper industry as kaolin is almost always shipped as a slurry at 70.0% solids. These slurries must be unloaded with little difficulty and remain fluid during shipping without settling out or becoming more viscous. The kaolin particle shape can also effect the viscosity (especially if large amounts of hallyosite - a tubular kaolin - is present). There are two viscosity tests, one at high shear rates and the other at low shear rates. Our instrument is a Brookfield, model DV-II. For any viscometer model the minimum range is obtained by using the largest spindle at the highest level; the maximum range by using the smallest spindle at the lowest speed. It is a measurement of a specified percentage solids at a specific temperature and pH. For high brightness coating grade kaolin, the viscosity should be 300 - 600 cps., regular brightness coating grade viscosity runs from 200 - 600 cps., for water washed filler grade kaolin, the viscosity requirement is 150 - 300 centapoises.

PARTICLE SIZE DISTRIBUTION - this test is performed to give a early indication of the kaolin yield from the sample as well as the percentage of silica in each size fraction which may become important as more market are found for silica of certain size fractions (e.g. - golf course sand is only of a particular size fraction). The silica fractionation required the use of a Ro-tap after the clay portion (-325 mesh material) has been removed. THe Ro-tap utilizes various sieve sizes to give the appropriate distribution. The clay portion is then tested with the sedigraph which used an X-ray beam to measure the portion if the fine material in each particle size, generally measured in microns. The particle size is critical for kaolin, it is the most crucial factor by which quality is judged. Each application of kaolin has a different particle size distribution requirement. See figure 1 (particle size for the paper products), figure 2 is a typical sedigraph for ceramic grade material. Our sedigraph results are as follows; page 1: shows tabular data of cumulative mass percent finer and mass percent in interval vs. diameter. Page 2: the curve represents cumulative mass percent finer vs. equivalent spherical diameter. Page 3: columns indicate mass population (percent in

interval) vs. equivalent spherical diameter. The instrument model is a Micromeretics Sedigraph 5100.

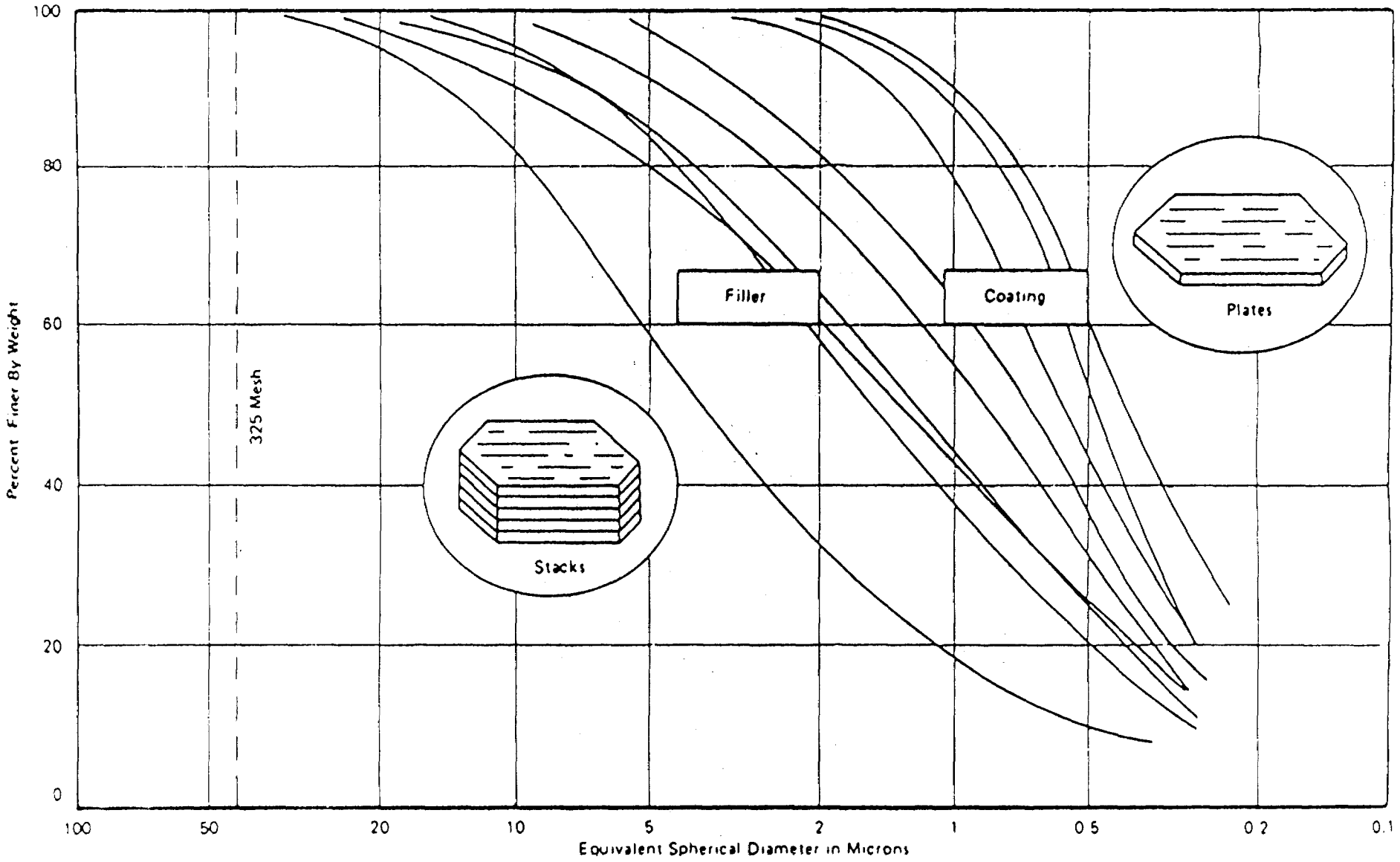
MOISTURE - determination of moisture must be completed in order to calculate the Ro-tap screen fractions (percentage of total dry material).

BRIGHTNESS - a significant element for the paper industry , the whiter the material is the higher the price the material commands. Brightness is especially important in kaolin that is used in paper coating. The brightness must be high to provide a good reflectance, opacity and gloss. Our instrument is a Technibrite Micro TB -1C, & is fully automatic microprocessor based that provides brightness, opacity, colour and fluorescence measurements. The powdered kaolin is pressed into a pellet form before obtaining a brightness reading.

pH - a reading is taken as an indicator of the settling quality of the sample as well as being required to perform the viscosity and abrasion tests and is a rough estimate as to the possible chemical loading of the final product - most kaolin is shipped as a pH of 4, the material from the Moose River deposit is generally alkaline. Accumet 910 meter is in our use.

ABRASION - even though the particle size distribution may indicate a large percentage of fine particles it is important that these particles be almost entirely kaolin. Silica in the Moose River deposit is frequently as fine as the kaolin platelets and because kaolin and quartz has the same specific gravity there is a constant challenge in removing sufficient silica to reduce the abrasion to an acceptable level. It is required that most abrasives be removed as their presence causes excess wear on apparatus when producing paper. The instrument used is Einlehner AT 100. Dry kaolin (100 g) is mixed with 300 mls of water, agitated 5.0 minutes. flushed with 700 mls of water, pH is then adjusted. The standard duration of the test is 2.0 hours. The abrasion of the test is measured as loss in weight g/m^2 suffered by standard test screen having an abrasion areas of 305 mm^2. For the regular and high brightness coating grade kaolins, abrasion value must be less than $65g/m^2$ and water washed filler grade kaolin abrasion value is less than 100 g/m^2.

KAOLIN PARTICLE SIZES FOR PAPER



SOURCE : INDUSTRIAL MINERALS AND ROCKS, 1975

FIGURE

Figure 1

EPK sample from Tucker Oct./90

sediGraph 5100 V3.02

FILE DIRECTORY/NUMBER: DATA3 /164
SAMPLE ID: EPK
SUBMITTER: Tucker
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 0/ 0 kilocounts/sec

UNIT NUMBER: 1
START 13:48:25 10/02/90
REPRT 14:29:13 03/09/92
TOT RUN TIME 0:26:49
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.20 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.05 µm

MODAL DIAMETER: 4.87 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	101.4	-1.4
40.00	99.7	1.7
30.00	98.4	1.3
25.00	97.4	1.0
20.00	95.5	1.9
15.00	91.9	3.6
10.00	84.2	7.7
8.00	80.4	3.8
6.00	74.6	5.8
5.00	69.8	4.9
4.00	63.8	5.9
3.00	58.1	5.7
2.00	49.5	8.6
1.50	45.5	4.1
1.00	39.5	5.9
0.80	37.1	2.4
0.60	32.1	5.1
0.50	28.1	4.0
0.40	23.1	5.1
0.30	17.5	5.6
0.20	11.9	5.6

fig. 2

EPK sample from Tucker Oct./90

SediGraph 5100 V3.02 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /164
SAMPLE ID: EPK
SUBMITTER: Tucker
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 0/ 0 kilocounts/sec

UNIT NUMBER: 1
START 13:48:25 10/02/90
REPRT 14:29:13 03/09/92
TOT RUN TIME 0:26:49
SAM DENS: 2.6000 g/cc
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50.00	101.4	-1.4
40.00	99.7	1.7
30.00	98.4	1.3
25.00	97.4	1.0
20.00	95.5	1.9
15.00	91.9	3.6
10.00	84.2	7.7
8.00	80.4	3.8
6.00	74.6	5.8
5.00	69.8	4.9
4.00	63.8	5.9
3.00	58.1	5.7
2.00	49.5	8.6
1.50	45.5	4.1
1.00	39.5	5.9
0.80	37.1	2.4
0.60	32.1	5.1
0.50	28.1	4.0
0.40	23.1	5.1
0.30	17.5	5.6
0.20	11.9	5.6

fig. 2

SAMPLE DIRECTORY/NUMBER: DATA3 /164
SAMPLE ID: EPK
SUBMITTER: Tucker
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 0/ 0 kilocounts/sec

UNIT NUMBER: 1
START 13:48:25 10/02/90
REPRT 14:29:13 03/09/92
TOT RUN TIME 0:26:49
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp
RUN TYPE: High Speed

+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER

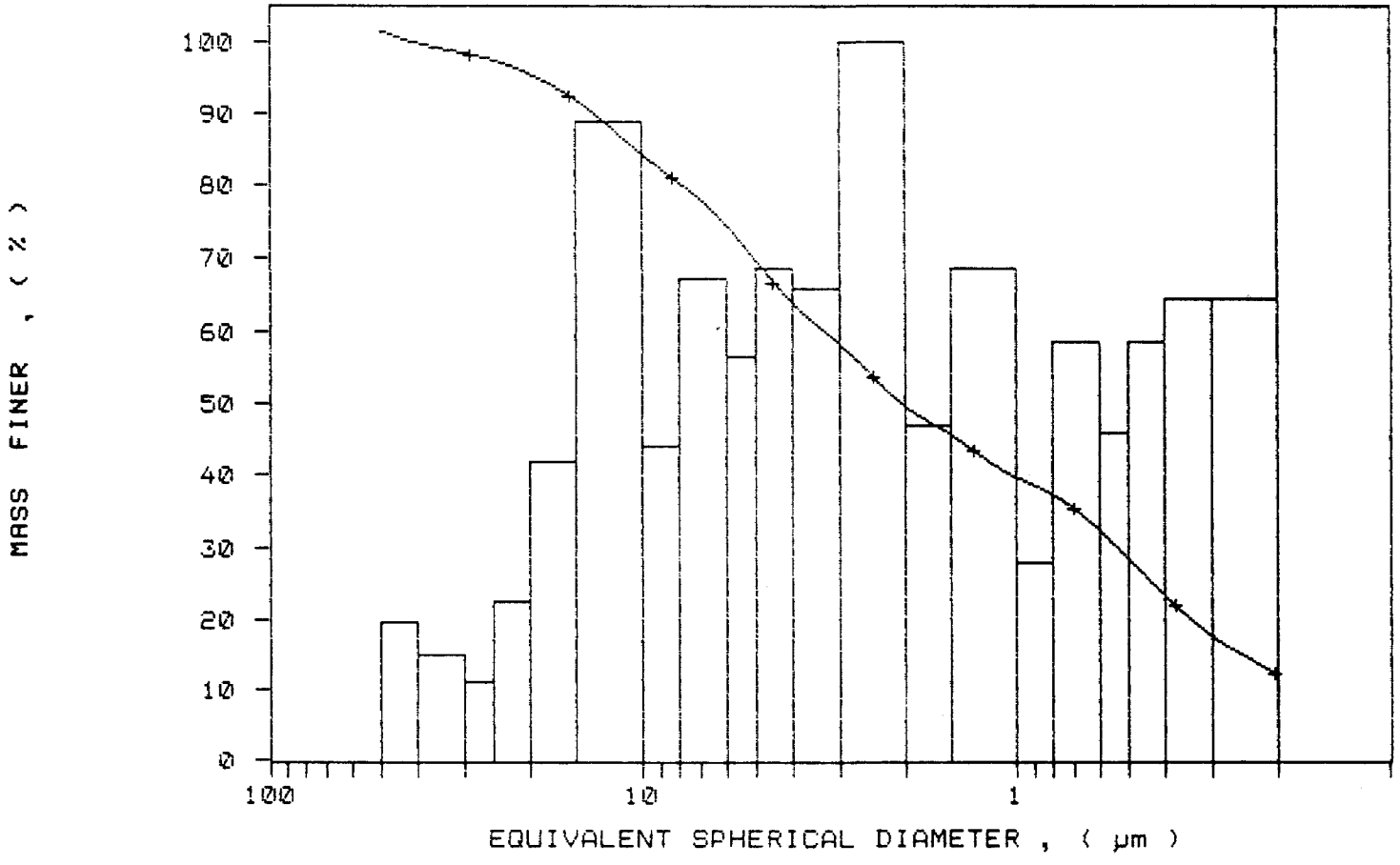


fig. 2

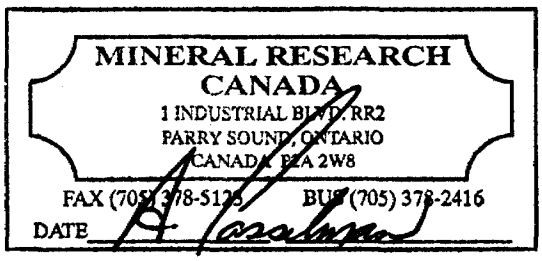
ROTARY DRILL HOLE RECORD

Drilling Started: Jan. 19, 1989
Drilling Finished: Jan. 19, 1989
Drilling Co.: Midwest
Dip: -90°
Hole Length: 250.0'
Overburden Depth: 88.5'
Claim No.: P 970177
Easting: 8200 E
Northing: 007 S
Property: Kipling

Logged By: A. Casselman
Logged: Jan. 24, 1991
Core Size: 3.5"
Core Storage:
Mineral Research Canada
1 Industrial Blvd.
R. R. # 2
Parry Sound, ON
P2A 2W8
Hole Number: 89-9

SUMMARY

From	To	Description	
0.0'	88.5'	Glacial Sandy Clay Till Overburden - Pleistocene	
88.5'	96.0'	Clay	Cretaceous
96.0'	98.0'	Sandy Clay	
98.0'	141.25'	Kaolin Silica Sand (Kss)	
141.25'	170.0'	Clay	
170.0'	179.5'	Sandy Clay	
179.0'	210.0'	Kss	
210.0'	215.0'	Sandy Clay	
215.0'	220.0'	Kss	
220.0'	224.0'	Sandy Clay	
224.0'	240.0'	Kss	
240.0'	250.0'	Sandy Clay	



EOH - 250.0'

Detail Log - 89-9

From	To	Sample No.	Description
0.0'	88.5'		Glacial Sandy Clay Till - fine grain with Pre-cambrian and Devonian (carbonate) clasts - angular to sub-rounded medium grey/green, calcareous.
88.5'	91.0'	901	Clay - silty, in some areas, competent, disc-like, medium red and buff mottled - entire hole dried.
91.0'	96.0'	902	Clay - competent, disc-like, light grey, exterior crystal growth.
96.0'	98.0'	903	Sandy Clay - competent, pliable, fine grain, medium brown, minor illite, exterior crystal growth, and yellow staining, moist.
98.0'	100.0'	904	Kss - medium grain, light yellow brown.
100.0'	107.0'	905	Kss - fine grain, light brown.
107.0'	110.0'	906	Kss - as above.
110.0'	115.0'	907	Kss - fine grain, grading to medium grain, light yellow brown, grading to white.
115.0'	120.0'	908	Kss - medium grain grading to coarse grain, white.
120.0'	125.0'	909	Kss - medium grain, light grey - some yellow staining.
125.0'	129.0'	910	Kss - medium grain, light yellow brown.
129.0'	133.0'	911	Kss - medium grain, grading to coarse grain, light yellow brown.
133.0'	137.0'	912	Kss - medium grain, grading to coarse grain, light grey.
137.0'	141.25	913	Kss - coarse grain with areas of medium grain matrix , light brown.
141.25'	145.0'	914	Clay - competent, disc-like, chocolate brown, carbonaceous, minor illite in silty areas, exterior crystal growth, large lignitic fragments.
145.0'	148.5'	915	Clay - competent, disc-like greasy,

			chocolate brown, exterior crystal growth, carbonaceous.
148.5'	152.0'	916	Clay - as above - less carbonaceous.
152.0'	156.0'	917	Clay - competent, fissile, some areas silty, chocolate brown, one portion water saturated.
156.0'	159.0'	918	Clay - competent, fissile, buff grading to red (3.0") then becoming buff.
159.0'	163.0'	919	Clay - competent, disc-like, greasy, medium brown, carbonaceous, moist.
163.0'	170.0'	920	Clay - as above.
170.0'	174.0'	921	Sandy Clay - competent, fissile, medium brown, carbonaceous, minor illite, exterior crystal growth.
174.0'	177.0'	922	Sandy Clay - competent, fissile, increasingly so downsection, buff.
177.0'	179.5'	923	Sandy Clay - as above, grading to fine kss.
179.5'	184.0'	924	Kss - medium grain, medium brown.
184.0'	188.0'	925	Kss - as above.
188.0'	191.0'	926	Kss - as above, exterior crystal growth, yellow.
191.0'	196.0'	927	Kss - medium grain, medium chocolate brown, exterior crystal growth.
196.0'	200.0'	928	Kss - as above, sulphureous smell and yellow patches.
200.0'	205.0'	929	Kss - as above, no yellow.
205.0'	210.0'	930	Kss - as above.
210.0'	215.0'	931	Sandy Clay - competent, fissile, fine grain, buff, carbonaceous, minor illite, sulphureous smell.
215.0'	220.0'	932	Kss - medium grain, medium brown, drilling debris.
220.0'	224.0'	933	Sandy Clay - competent, fissile, fine grain, buff, carbonaceous, minor illite, sulphureous smell.

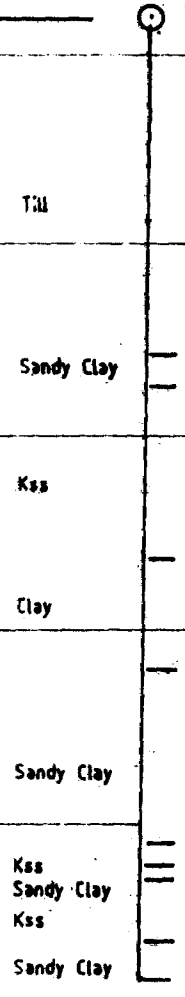
224.0'	230.0'	934	Kss - medium grain, dark brown, exterior crystal growth, yellow, sulphureous smell.
230.0'	235.0'	935	Kss - as above.
235.0'	240.0'	936	Kss - as above.
240.0'	245.0'	937	Sandy Clay - competent, disc-like, fissile, medium brown, carbonaceous, minor illite.
245.0'	250.0'	938	Sandy Clay - exterior crystal growth, - as above.

EOH - 250.0'

SECTION - 89-9

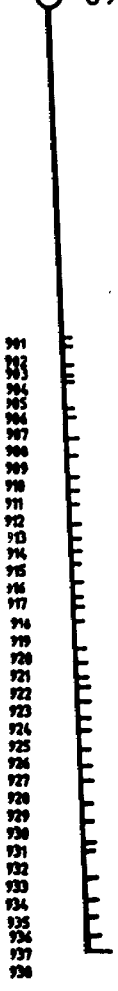
Hole Length: 250.0'
Claim No.: P 970177
Overburden Depth: 88.5'
Northing: 007 S
Easting: 8200 E
Scale: 1.0" = 50.0'

89-9



MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
FAX (705) 378-5123 BUS (705) 378-2416
DATE

89-9



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CANADA
1 INDUSTRIAL BLVD. RR2
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CANADA P2A 2W8
FAX (705) 378-5[illegible] BUS (705) 378-2416
DATE

MINERAL RESEARCH CANADA
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1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

89-9

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
901	+ 4	0	14.6	
	+ 40	0.7		
	+100	1.6		
	+200	5.5		
	+325	12.3		
	-325	79.9		
902	+ 4	0	17.3	
	+ 40	5.2		
	+100	4.4		
	+200	1.8		
	+325	5.3		
	-325	83.3		
903	+ 4	0	18.4	
	+ 40	0.8		
	+100	19.5		
	+200	24.6		
	+325	8.2		
	-325	46.9		
904	+ 4	1.0	12.65	
	+ 40	37.7		
	+100	40.0		
	+200	5.5		
	+325	1.7		
	-325	14.1		
905	+ 4	0	11.75	
	+ 40	42.8		
	+100	43.2		
	+200	4.8		
	+325	0.9		
	-325	8.3		

Laarmu Malmstrom

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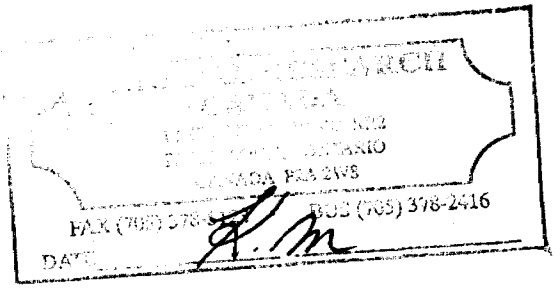
1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
906	+ 4	0.4	9.05	
	+ 40	73.1		
	+100	16.2		
	+200	2.5		
	+325	0.3		
	-325	7.5		
907	+ 4	0.9	11.05	
	+ 40	68.3		
	+100	21.7		
	+200	2.7		
	+325	0.0		
	-325	6.4		
908	+ 4	1.6	9.95	
	+ 40	64.7		
	+100	20.3		
	+200	3.9		
	+325	0.1		
	-325	9.4		
909	+ 4	3.8	8.1	
	+ 40	42.4		
	+100	32.3		
	+200	4.5		
	+325	1.1		
	-325	15.9		
910	+ 4	10.0	7.8	
	+ 40	60.3		
	+100	14.8		
	+200	4.1		
	+325	2.9		
	-325	7.9		



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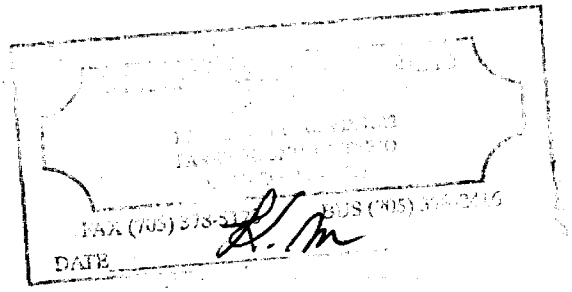
ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
911	+ 4	0	7.1	
	+ 40	78.9		
	+100	11.9		
	+200	1.1		
	+325	0.1		
	-325	8.1		
912	+ 4	5.3	6.1	
	+ 40	74.6		
	+100	8.4		
	+200	2.8		
	+325	10.1		
	-325	38.8		
913	+ 4	2.7	6.5	
	+ 40	67.9		
	+100	16.7		
	+200	2.3		
	+325	1.9		
	-325	8.5		
914	+ 4	0	15.6	
	+ 40	0.3		
	+100	0.1		
	+200	1.6		
	+325	6.8		
	-325	91.2		
915	+ 4	0	13.4	
	+ 40	1.9		
	+100	64.4		
	+200	12.1		
	+325	17.6		
	-325	4.0		



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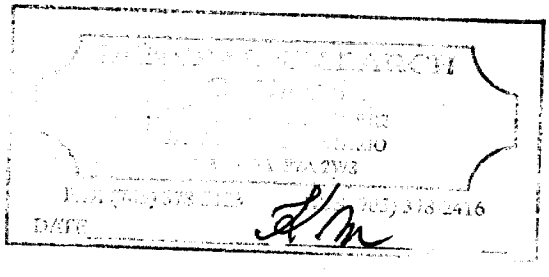
ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
916	+ 4	0.4	11.2	
	+ 40	3.5		
	+100	25.0		
	+200	24.9		
	+325	5.7		
	-325	40.5		
917	+ 4	0	14.2	
	+ 40	2.7		
	+100	2.4		
	+200	13.8		
	+325	11.0		
	-325	70.1		
918	+ 4	0	16.8	
	+ 40	7.6		
	+100	3.1		
	+200	0.8		
	+325	2.2		
	-325	86.3		
919	+ 4	0	16.4	
	+ 40	6		
	+100	7.1		
	+200	15.5		
	+325	5.2		
	-325	26.2		
920	+ 4	0	13.7	
	+ 40	4.5		
	+100	4.4		
	+200	1.8		
	+325	5.8		
	-325	83.5		



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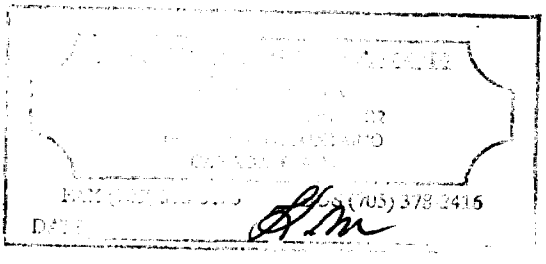
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
921	+ 4	0.8	6.6	
	+ 40	45.4		
	+100	42.1		
	+200	2.7		
	+325	0.9		
	-325	8.0		
922	+ 4	0	14.4	
	+ 40	1.9		
	+100	64.4		
	+200	12.1		
	+325	4.4		
	-325	17.2		
923	+ 4	0.2	13.9	
	+ 40	9.6		
	+100	19.7		
	+200	8.0		
	+325	8.5		
	-325	54.0		
924	+ 4	0	10.9	
	+ 40	53.7		
	+100	33.3		
	+200	1.2		
	+325	1.8		
	-325	10.0		
925	+ 4	0.1	11.3	
	+ 40	47.3		
	+100	37.2		
	+200	3.4		
	+325	4.0		
	-325	6.0		



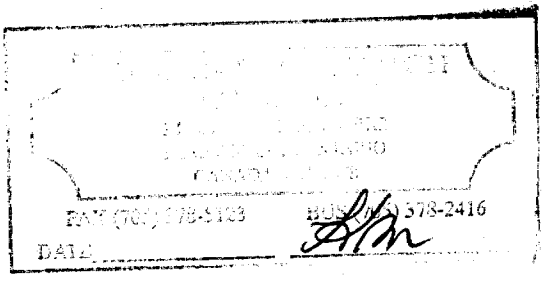
MINERAL RESEARCH CANADA

TEL:(705) 378-2416
FAX:(705) 378-5123

1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

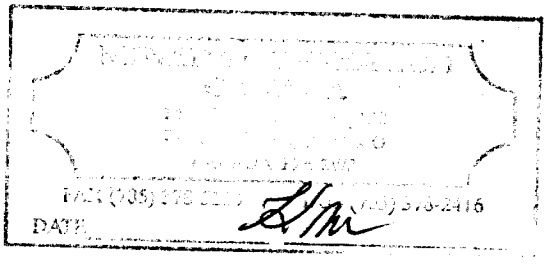
SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
926	+ 4	6.2	6.7	
	+ 40	54.4		
	+100	28.7		
	+200	1.7		
	+325	0.8		
	-325	8.2		
927	+ 4	0	12.1	
	+ 40	0.8		
	+100	80.0		
	+200	5.9		
	+325	1.0		
	-325	12.3		
928	+ 4	0	10.5	
	+ 40	30.2		
	+100	58.1		
	+200	2.0		
	+325	1.3		
	-325	8.4		
929	+ 4	2.4	5.7	
	+ 40	79.3		
	+100	8.1		
	+200	2.9		
	+325	0.1		
	-325	1.2		
930	+ 4	7.5	6.1	
	+ 40	71.9		
	+100	9.0		
	+200	2.5		
	+325	0.4		
	-325	8.3		



MINERAL RESEARCH CANADA
TEL:(705) 378-2416
FAX:(705) 378-5123
1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
931	+ 4	0	12.6	
	+ 40	0.4		
	+100	14.6		
	+200	21.3		
	+325	3.9		
	-325	56.8		
932	+ 4	14.2	9.0	
	+ 40	60.9		
	+100	7.6		
	+200	2.4		
	+325	1.9		
	-325	13.0		
933	+ 4	0	15.8	
	+ 40	6		
	+100	0.6		
	+200	34.6		
	+325	7.9		
	-325	46.7		
934	+ 4	18.0	6.3	
	+ 40	40.1		
	+100	26.7		
	+200	2.1		
	+325	1.2		
	-325	11.9		
935	+ 4	36.9	5.2	
	+ 40	36.2		
	+100	13.4		
	+200	2.0		
	+325	1.2		
	-325	10.3		



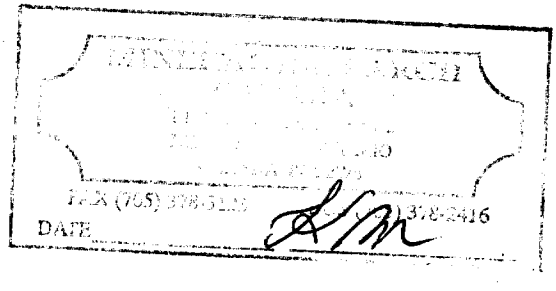
MINERAL RESEARCH CANADA

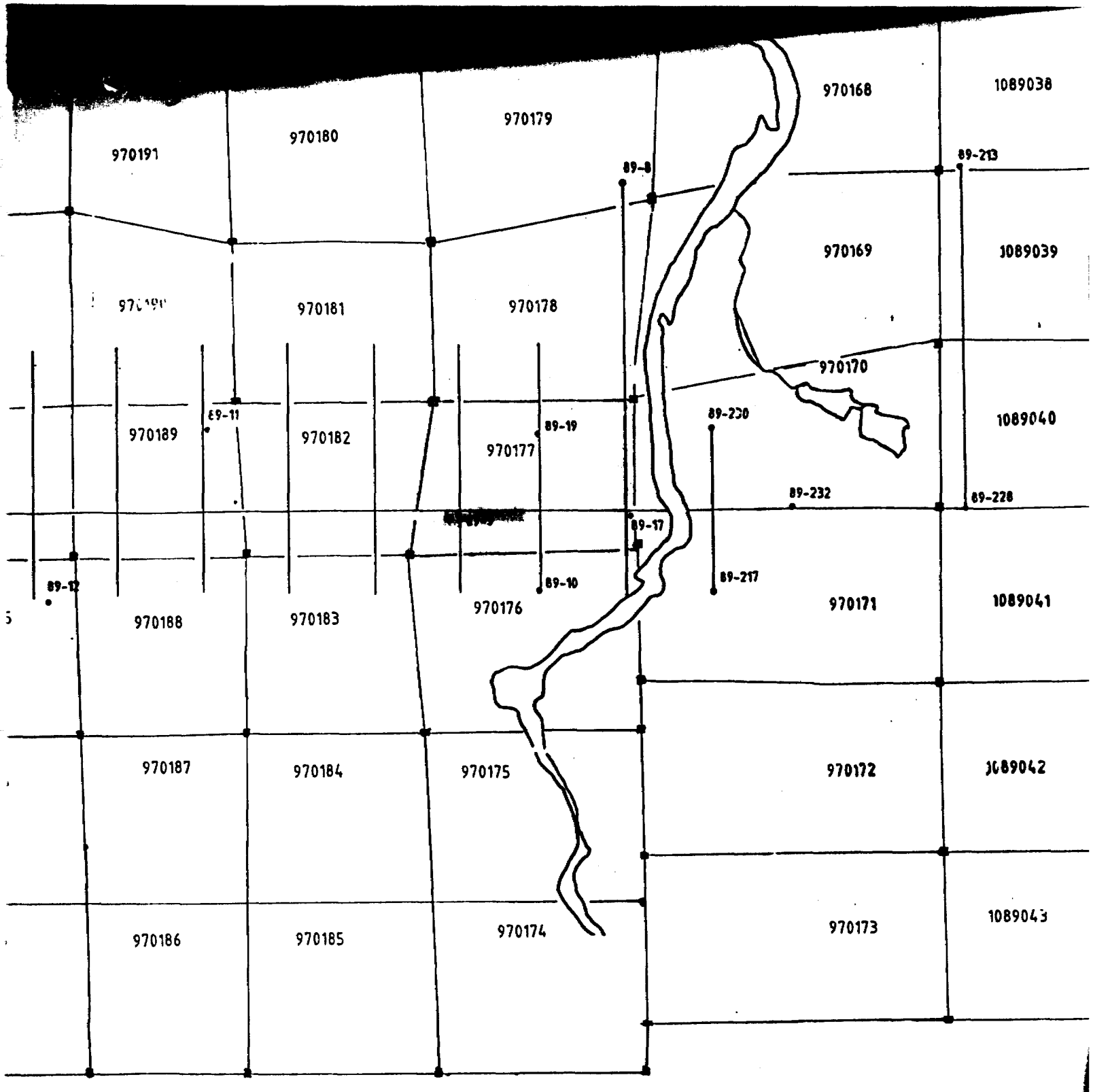
TEL:(705) 378-2416
FAX:(705) 378-5123

1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
936	+ 4	8.6	7.2	
	+ 40	64.8		
	+100	11.4		
	+200	2.1		
	+325	1.2		
	-325	11.9		
937	+ 4	0	9.4	
	+ 40	0.3		
	+100	1.9		
	+200	13.4		
	+325	25.2		
	-325	56.2		
938	+ 4	0	10.2	
	+ 40	0.1		
	+100	0.9		
	+200	4.3		
	+325	24.8		
	-325	69.9		
[illegible]	+ 4			
	+ 40			
	+100			
	+200			
	+325			
	-325			
	+ 4			
	+ 40			
	+100			
	+200			
	+325			
	-325			




970191
970180
970179
970168
1089038
89-8
89-213
970169
1089039
970181
970178
970170
89-11
89-19
89-230
1089040
970189
970182
970177
89-232
89-228
89-17
89-12
89-10
89-217
970188
970183
970176
970171
1089041
970187
970184
970175
970172
1089042
970186
970185
970174
970173
1089043

SAMPLE DIRECTORY/NUMBER: DATA5 /381
SAMPLE ID: Hole 89-9 # 901
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C
BASELINE/FULL SCALE: 129/ 121 kilocounts/sec

UNIT NUMBER: 1
START 08:41:07 09/18/91
REPRT 08:52:11 09/18/91
TOT RUN TIME 0:07:26
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7278 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

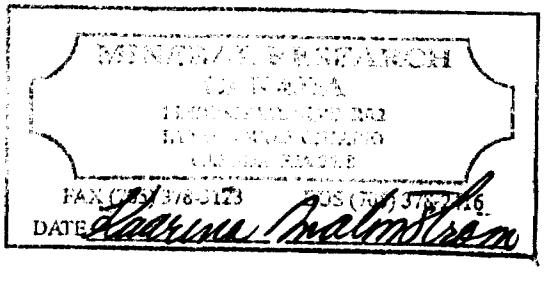
REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.03 µm

MODAL DIAMETER: 1.49 µm

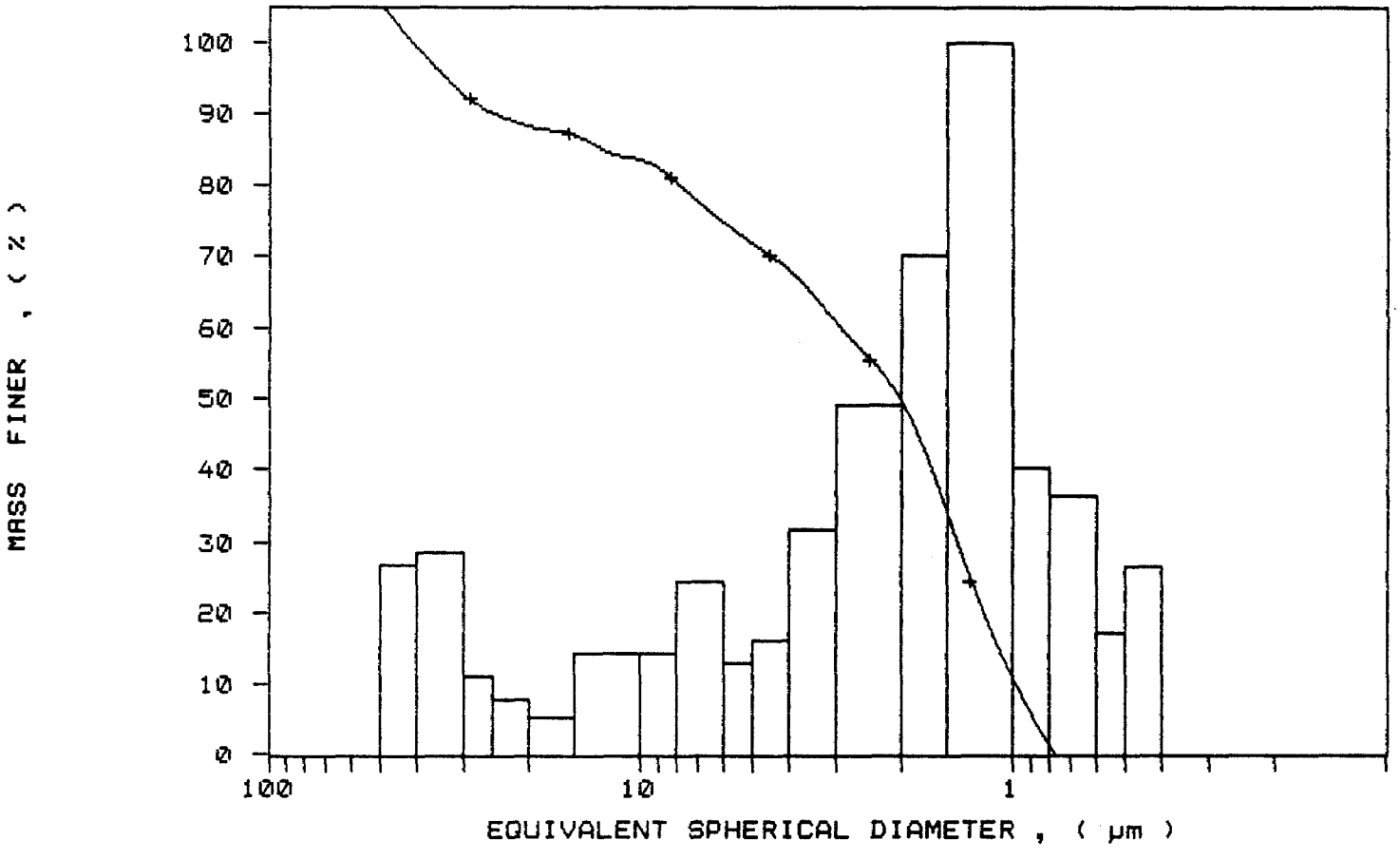
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	105.3	-5.3
40.00	99.1	6.2
30.00	92.6	6.5
25.00	90.0	2.6
20.00	88.2	1.9
15.00	86.9	1.3
10.00	83.6	3.3
8.00	80.3	3.3
6.00	74.7	5.6
5.00	71.7	3.0
4.00	68.0	3.7
3.00	60.7	7.3
2.00	49.4	11.2
1.50	33.3	16.1
1.00	10.5	22.8
0.80	1.3	9.2
0.60	-7.0	8.3
0.50	-11.0	3.9
0.40	-17.0	6.0



SAMPLE DIRECTORY/NUMBER: DATA5 /381
SAMPLE ID: Hole 89-9 # 901
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C
BASELINE/FULL SCALE: 129/ 121 kilocounts/sec

UNIT NUMBER: 1
START 08:41:07 09/18/91
REPRT 08:52:11 09/18/91
TOT RUN TIME 0:07:26
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7278 cp
RUN TYPE: High Speed

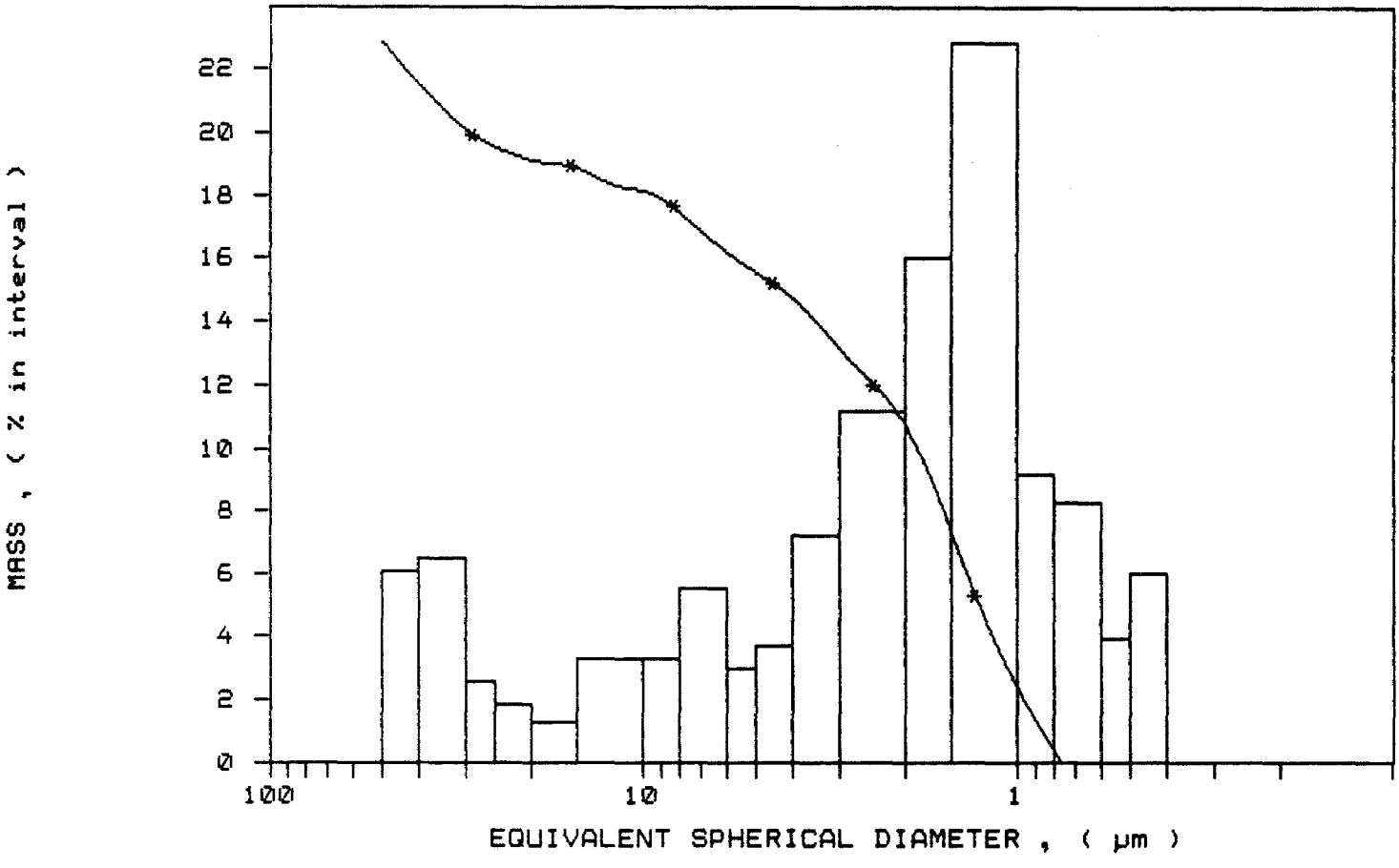
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /381
SAMPLE ID: Hole 89-9 # 901
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C
BASELINE/FULL SCALE: 129/ 121 kilocounts/sec

UNIT NUMBER: 1
START 08:41:07 09/18/91
REPRT 08:52:11 09/18/91
TOT RUN TIME 0:07:26
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7278 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /382
SAMPLE ID: Hole 89-9 # 902
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C
BASELINE/FULL SCALE: 129/ 89 kilocounts/sec

UNIT NUMBER: 1
START 09:04:50 09/18/91
REPRT 09:21:11 09/18/91
TOT RUN TIME 0:07:21
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7276 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

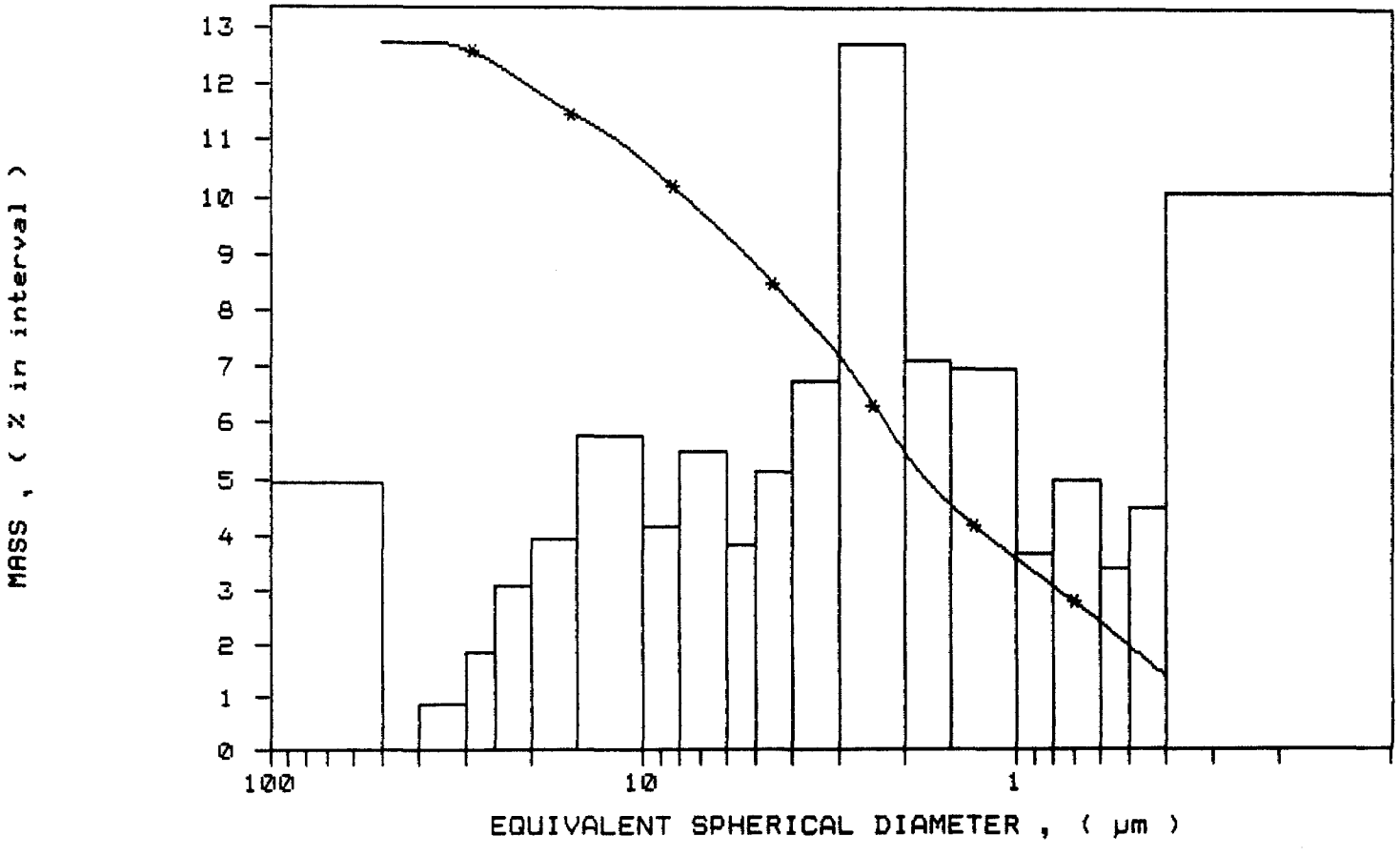
MEDIAN DIAMETER: 2.62 µm MODAL DIAMETER: 2.30 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	95.1	4.9
40.00	95.1	-0.1
30.00	94.2	0.9
25.00	92.3	1.9
20.00	89.2	3.1
15.00	85.3	3.9
10.00	79.5	5.8
8.00	75.3	4.2
6.00	69.7	5.5
5.00	65.8	3.9
4.00	60.7	5.2
3.00	53.9	6.8
2.00	41.1	12.7
1.50	34.0	7.2
1.00	26.9	7.0
0.80	23.2	3.7
0.60	18.1	5.0
0.50	14.7	3.5
0.40	10.1	4.5

SAMPLE DIRECTORY/NUMBER: DATA5 /382
SAMPLE ID: Hole 89-9 # 902
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C
BASELINE/FULL SCALE: 129/ 89 kilocounts/sec

UNIT NUMBER: 1
START 09:04:50 09/18/91
REPRT 09:17:58 09/18/91
TOT RUN TIME 0:07:21
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7276 cp
RUN TYPE: High Speed

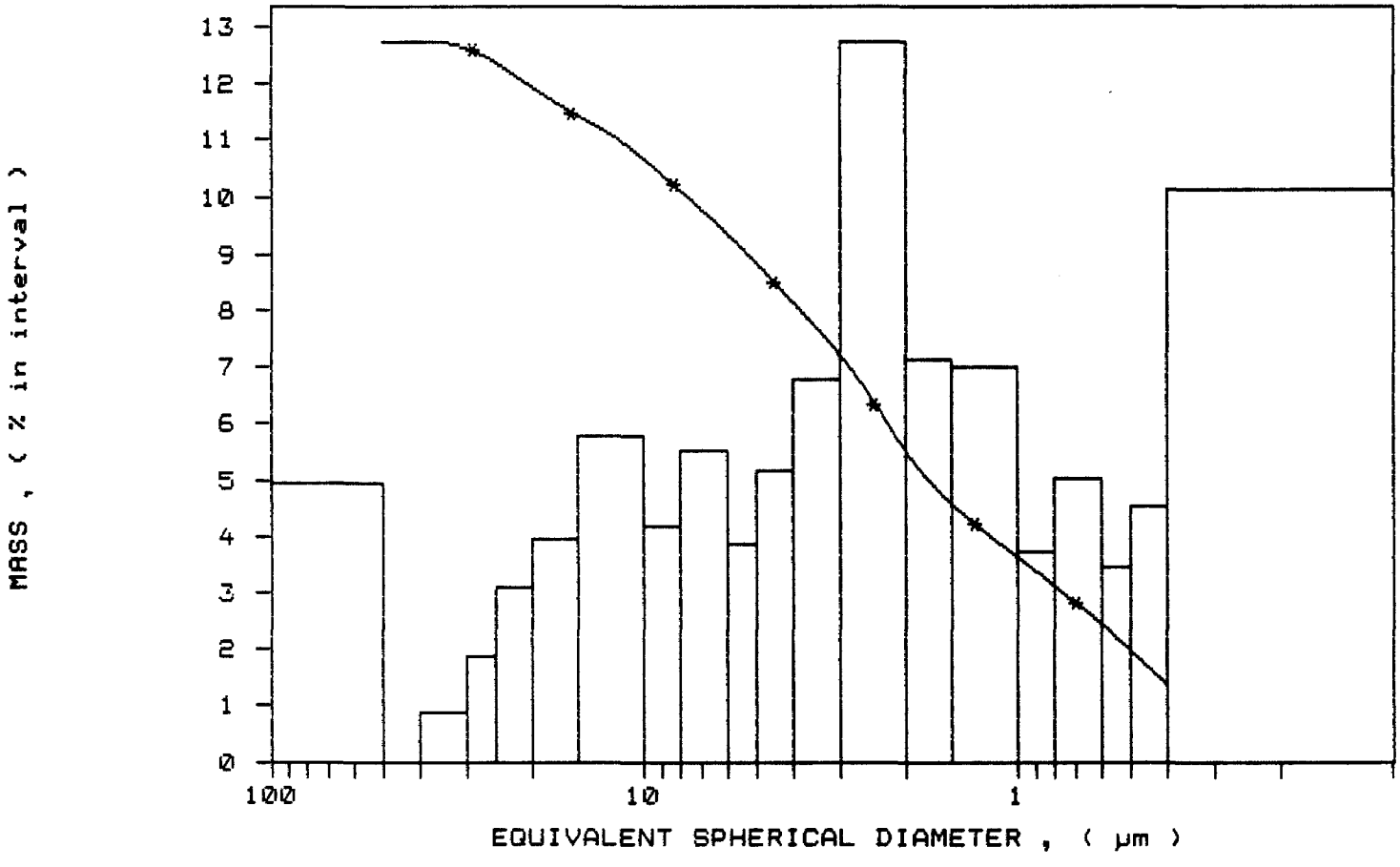
MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /382
SAMPLE ID: Hole 89-9 # 902
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C
BASELINE/FULL SCALE: 129/ 89 kilocounts/sec

UNIT NUMBER: 1
START 09:04:50 09/18/91
REPRT 09:12:32 09/18/91
TOT RUN TIME 0:07:21
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7276 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 903

SediGraph 5100 V3.02

SAMPLE DIRECTORY/NUMBER: DATA5 /383
SAMPLE ID: Hole 89-9 # 903
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 106 kilocounts/sec

UNIT NUMBER: 1
START 09:32:22 09/18/91
REPRT 09:43:35 09/18/91
TOT RUN TIME 0:07:23
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp
RUN TYPE: High Speed

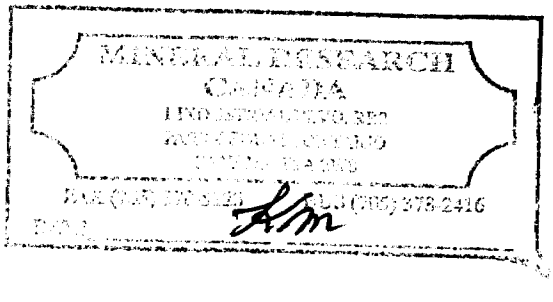
STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.88 µm
MODAL DIAMETER: 4.87 µm

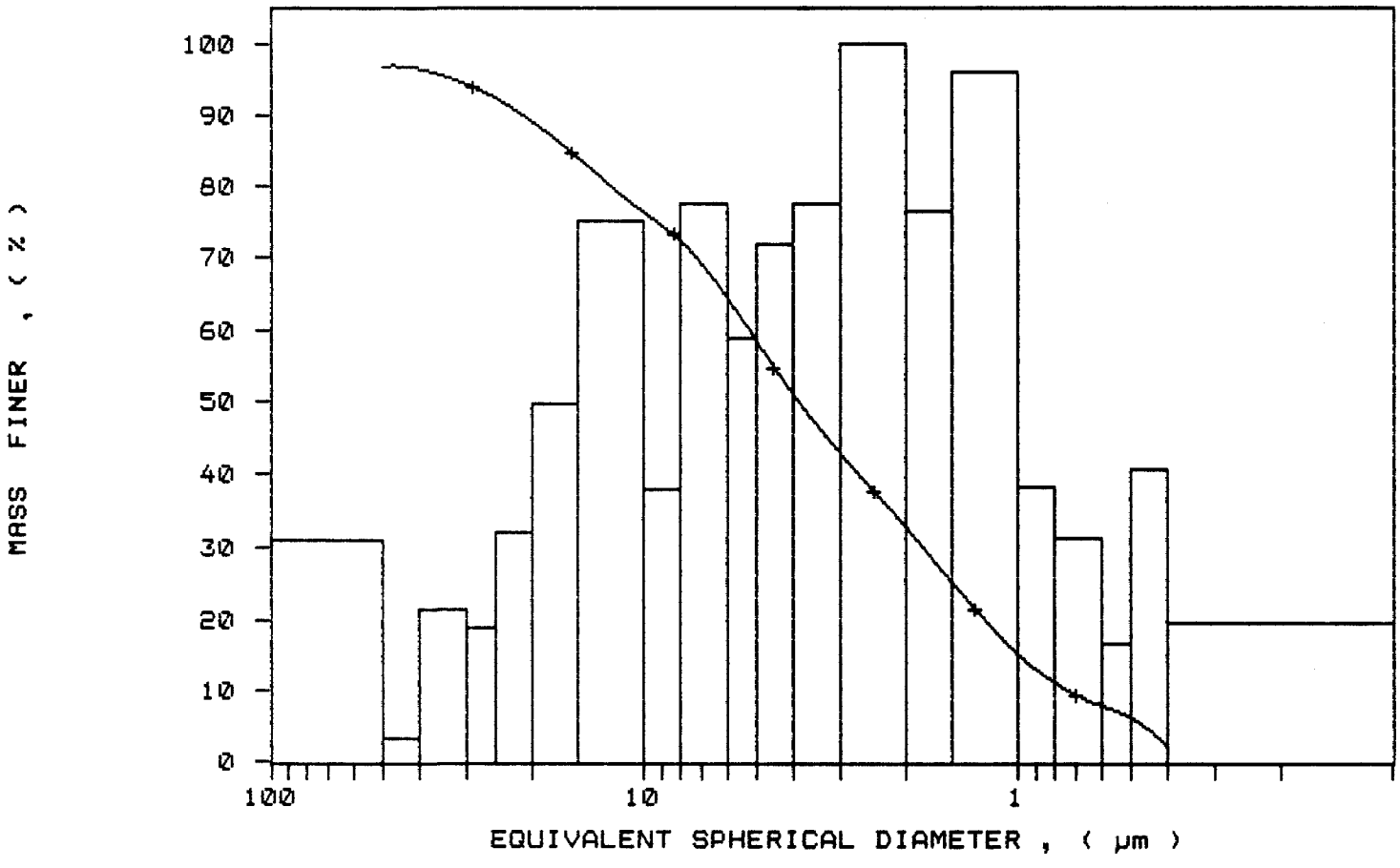
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	96.8	3.2
40.00	96.5	0.4
30.00	94.3	2.2
25.00	92.3	1.9
20.00	89.0	3.3
15.00	83.9	5.1
10.00	76.2	7.7
8.00	72.3	3.9
6.00	64.4	8.0
5.00	58.3	6.0
4.00	50.9	7.4
3.00	43.0	7.9
2.00	32.8	10.2
1.50	24.9	7.8
1.00	15.1	9.8
0.80	11.2	3.9
0.60	8.0	3.2
0.50	6.2	1.7
0.40	2.0	4.2



SAMPLE DIRECTORY/NUMBER: DATA5 /383
SAMPLE ID: Hole 89-9 # 903
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 106 kilocounts/sec

UNIT NUMBER: 1
START 09:32:22 09/18/91
REPRT 09:43:35 09/18/91
TOT RUN TIME 0:07:23
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp
RUN TYPE: High Speed

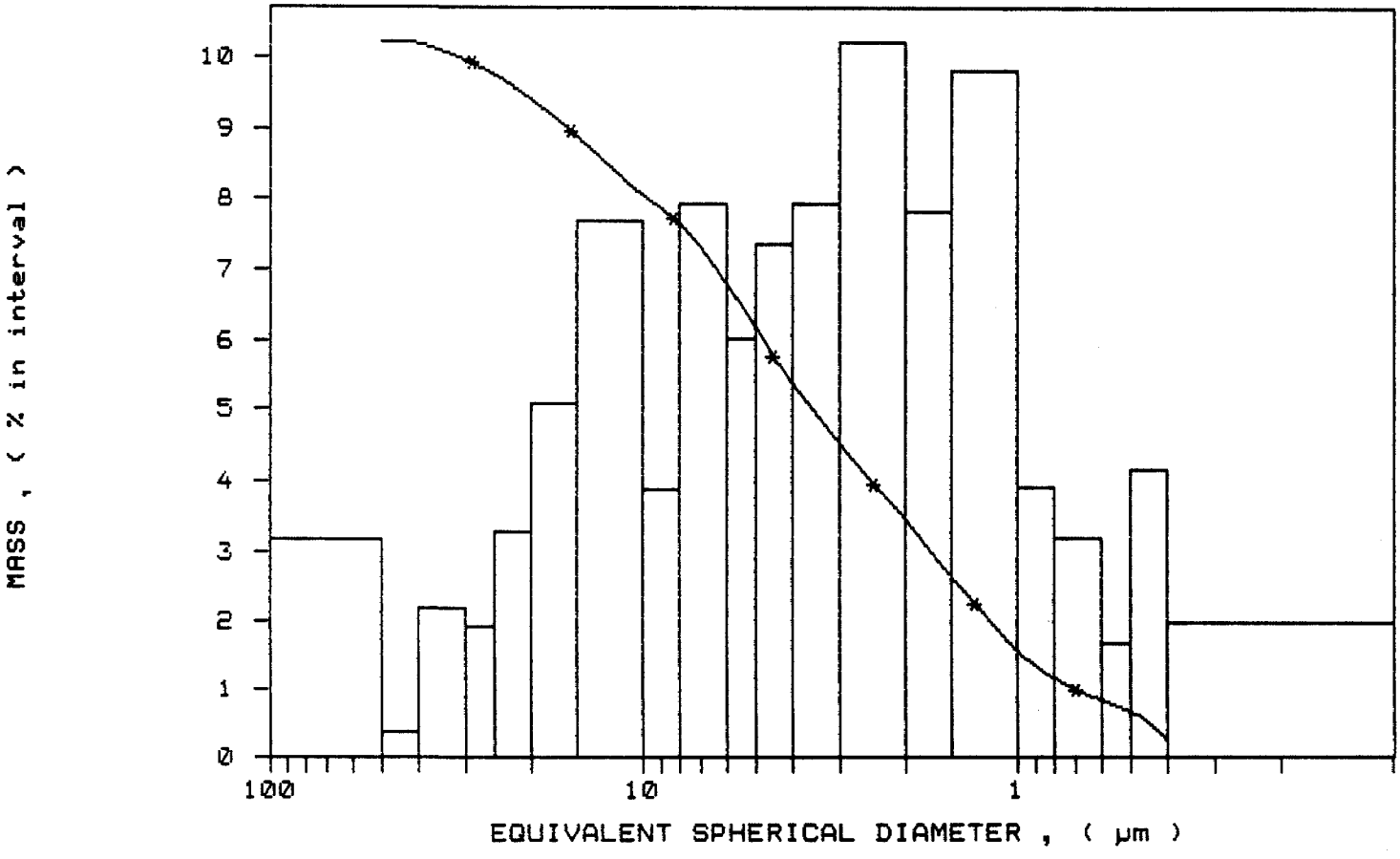
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /383
SAMPLE ID: Hole 89-9 # 903
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 106 kilocounts/sec

UNIT NUMBER: 1
START 09:32:22 09/18/91
REPRT 09:43:35 09/18/91
TOT RUN TIME 0:07:23
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /384
SAMPLE ID: Hole 898-9 # 904
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 105 kilocounts/sec

UNIT NUMBER: 1
START 09:51:07 09/18/91
REPRT 09:58:59 09/18/91
TOT RUN TIME 0:07:30
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.97 µm

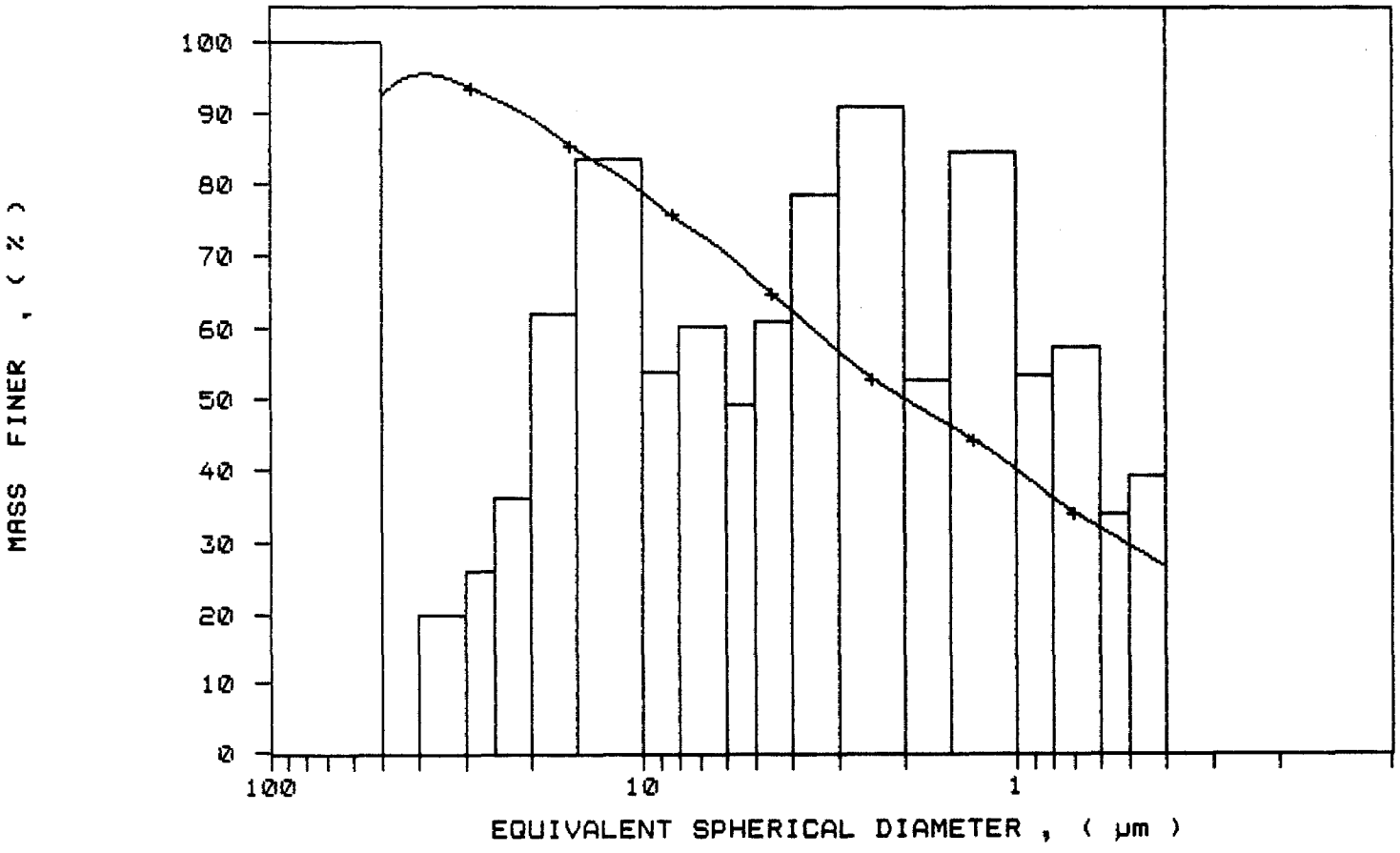
MODAL DIAMETER: 5.04 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	92.7	7.3
40.00	95.5	-2.7
30.00	94.0	1.4
25.00	92.1	1.9
20.00	89.5	2.6
15.00	84.9	4.5
10.00	78.9	6.1
8.00	74.9	3.9
6.00	70.6	4.4
5.00	67.0	3.6
4.00	62.5	4.4
3.00	56.8	5.7
2.00	50.2	6.6
1.50	46.4	3.8
1.00	40.2	6.2
0.80	36.3	3.9
0.60	32.2	4.2
0.50	29.7	2.5
0.40	26.8	2.9

SAMPLE DIRECTORY/NUMBER: DATA5 /384
SAMPLE ID: Hole 898-9 # 904
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 105 kilocounts/sec

UNIT NUMBER: 1
START 09:51:07 09/18/91
REFRT 09:58:59 09/18/91
TOT RUN TIME 0:07:30
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp
RUN TYPE: High Speed

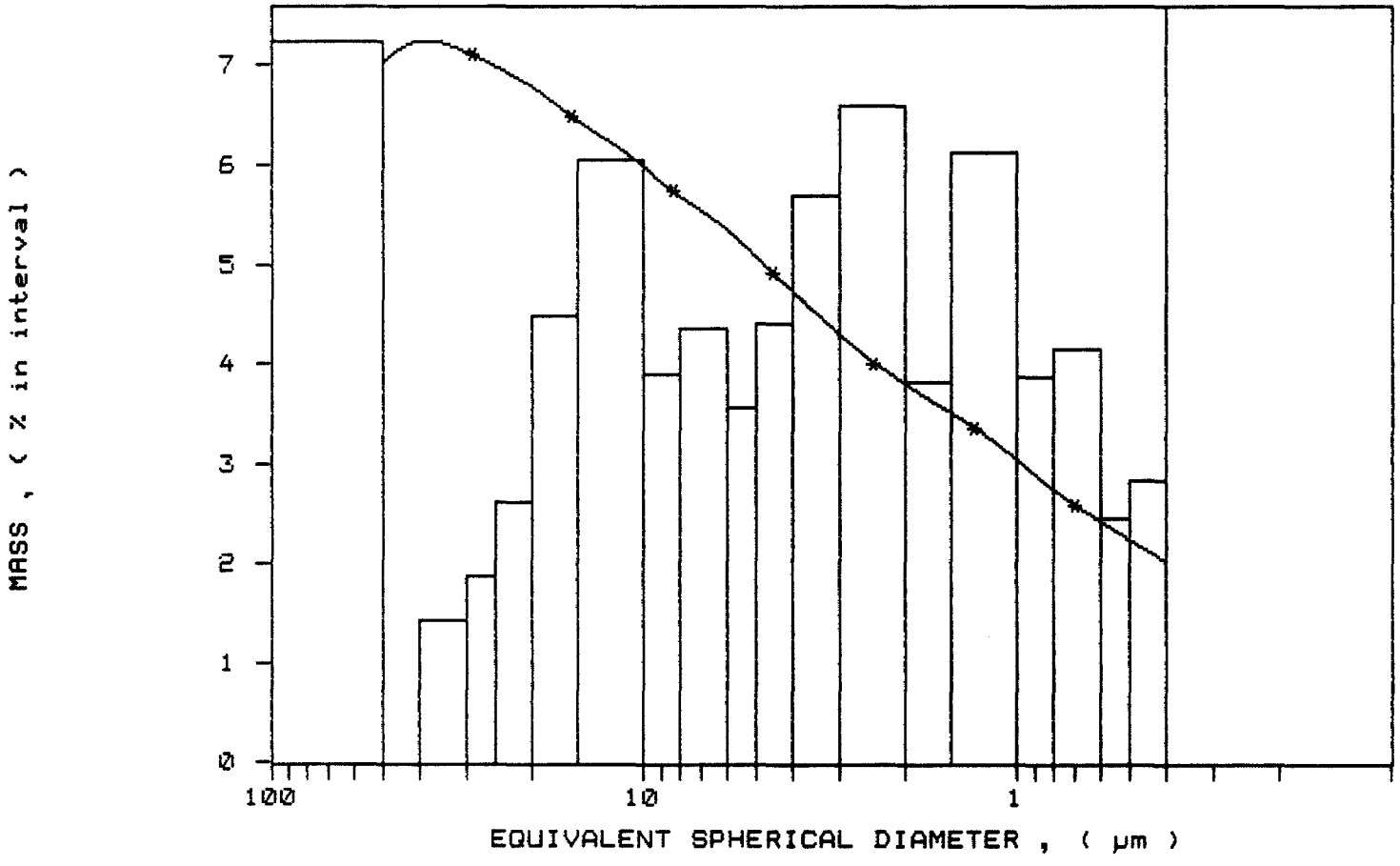
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /384
SAMPLE ID: Hole 898-9 # 904
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 105 kilocounts/sec

UNIT NUMBER: 1
START 09:51:07 09/18/91
REPRT 09:58:59 09/18/91
TOT RUN TIME 0:07:30
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 905

SediGraph 5100 V3.02

SAMPLE DIRECTORY/NUMBER: DATA5 /385
SAMPLE ID: Hole 89-9 # 905
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 118 kilocounts/sec

UNIT NUMBER: 1
START 10:13:00 09/18/91
REPRT 10:20:50 09/18/91
TOT RUN TIME 0:07:28
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

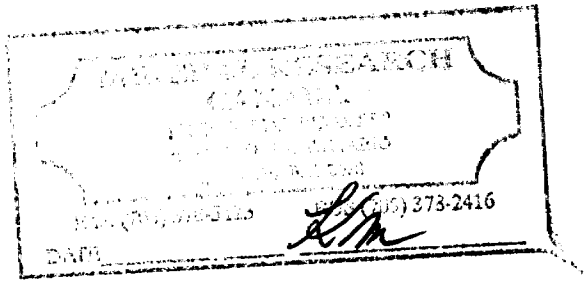
REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.19 µm

MODAL DIAMETER: 8.13 µm

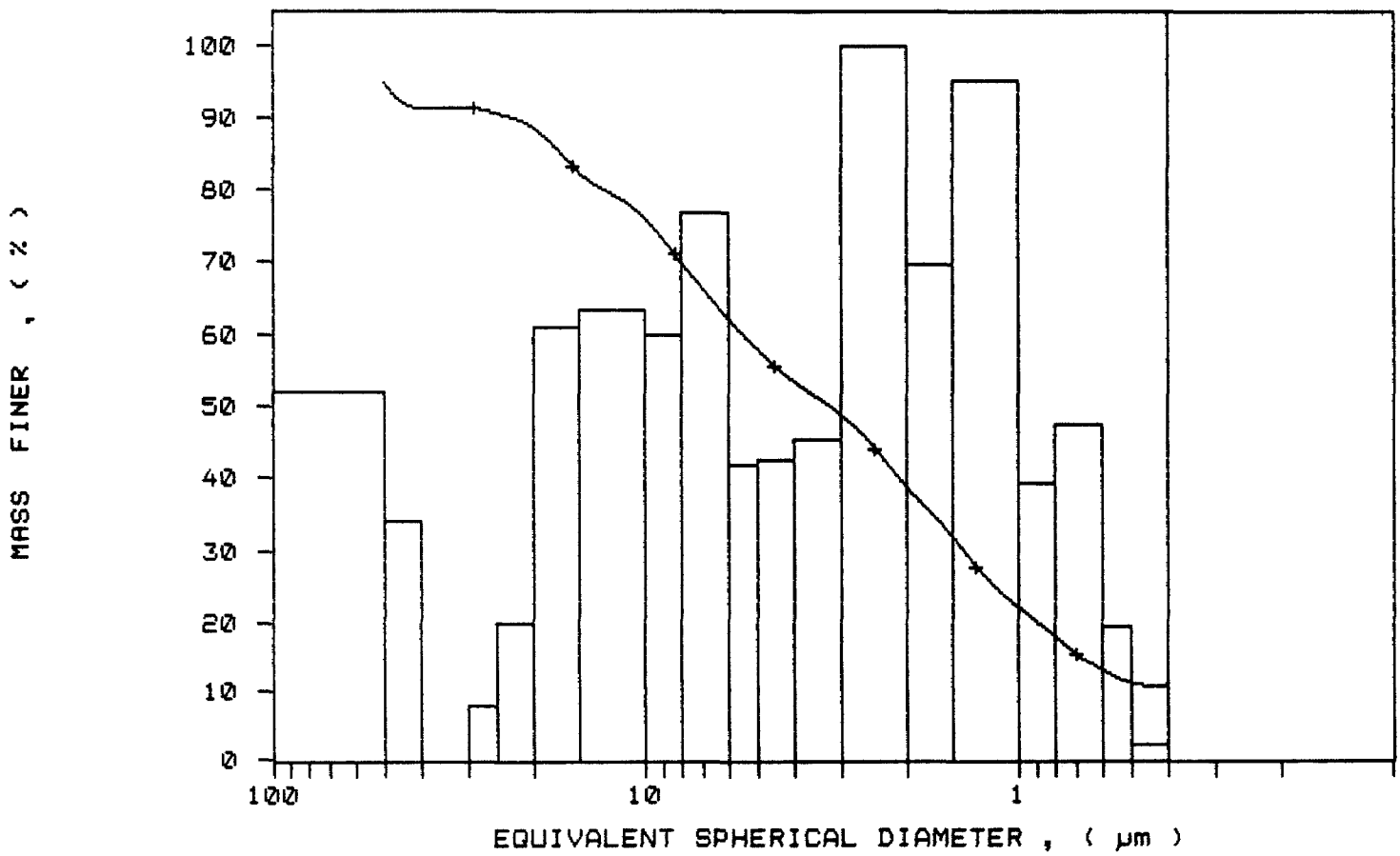
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	94.7	5.3
40.00	91.3	3.5
30.00	91.4	-0.2
25.00	90.6	0.8
20.00	88.6	2.0
15.00	82.4	6.2
10.00	76.0	6.4
8.00	69.9	6.1
6.00	62.1	7.8
5.00	57.8	4.2
4.00	53.5	4.3
3.00	48.9	4.6
2.00	38.8	10.1
1.50	31.8	7.1
1.00	22.1	9.7
0.80	18.1	4.0
0.60	13.3	4.8
0.50	11.3	2.0
0.40	11.0	0.3



SAMPLE DIRECTORY/NUMBER: DATA5 /385
SAMPLE ID: Hole 89-9 # 905
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 118 kilocounts/sec

UNIT NUMBER: 1
START 10:13:00 09/18/91
REPRT 10:20:50 09/18/91
TOT RUN TIME 0:07:28
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp
RUN TYPE: High Speed

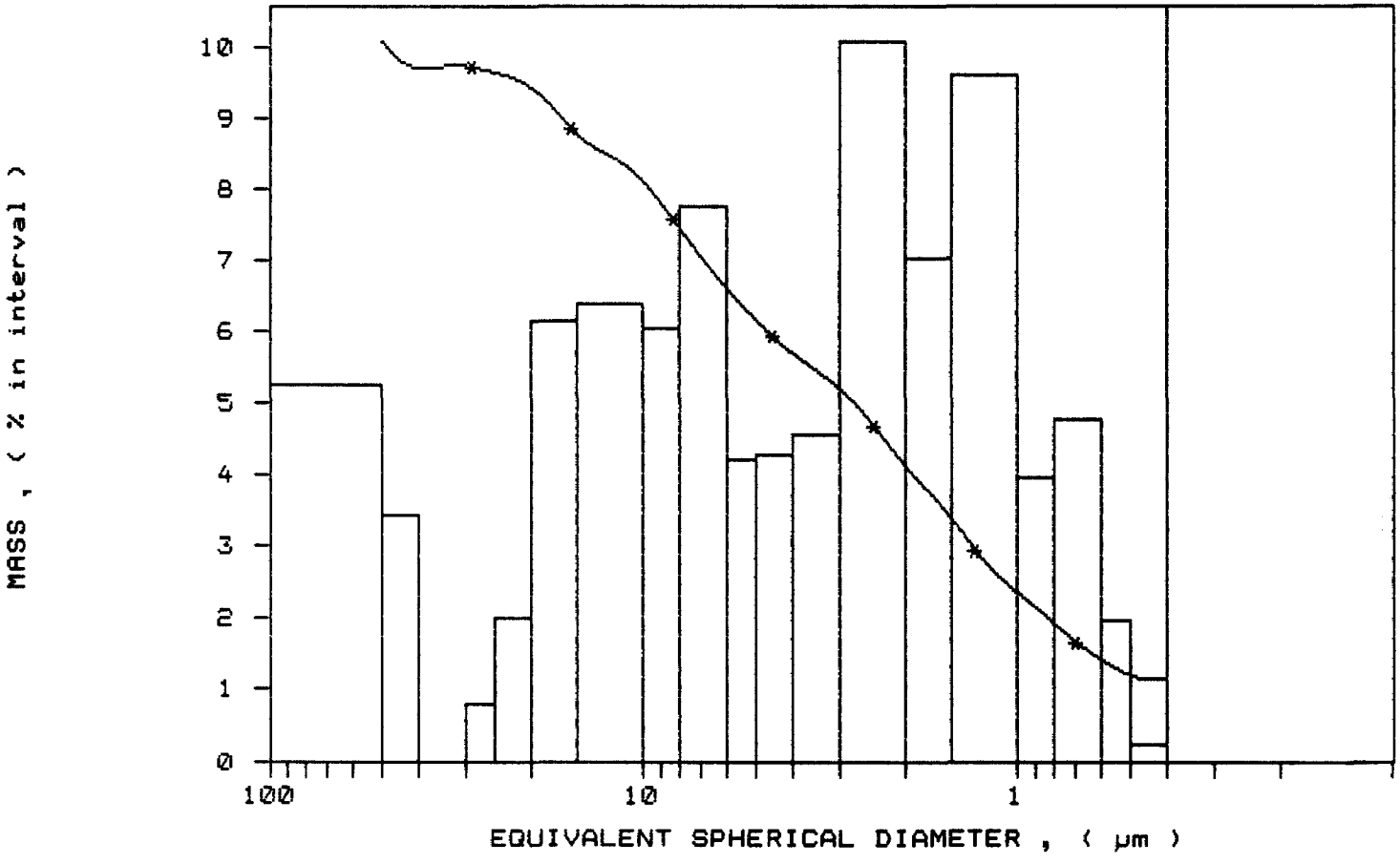
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER

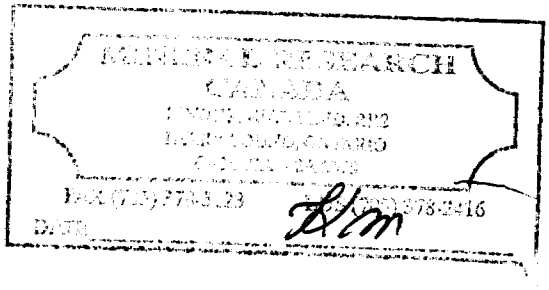


SAMPLE DIRECTORY/NUMBER: DATA5 /385
SAMPLE ID: Hole 89-9 # 905
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 118 kilocounts/sec

UNIT NUMBER: 1
START 10:13:00 09/18/91
REPRT 10:20:50 09/18/91
TOT RUN TIME 0:07:28
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER





SAMPLE DIRECTORY/NUMBER: DATA5 /386
SAMPLE ID: Hole 89-9 # 906
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 114 kilocounts/sec

UNIT NUMBER: 1
START 10:44:25 09/18/91
REPRT 10:52:09 09/18/91
TOT RUN TIME 0:07:23
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7273 cp
RUN TYPE: High Speed

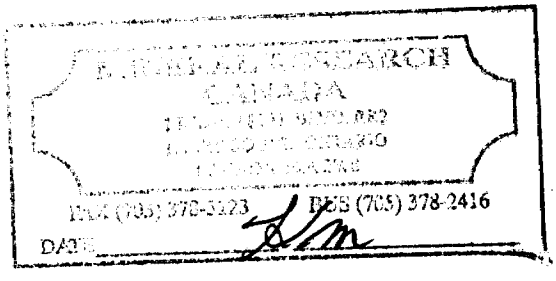
STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.36 µm MODAL DIAMETER: 9.39 µm

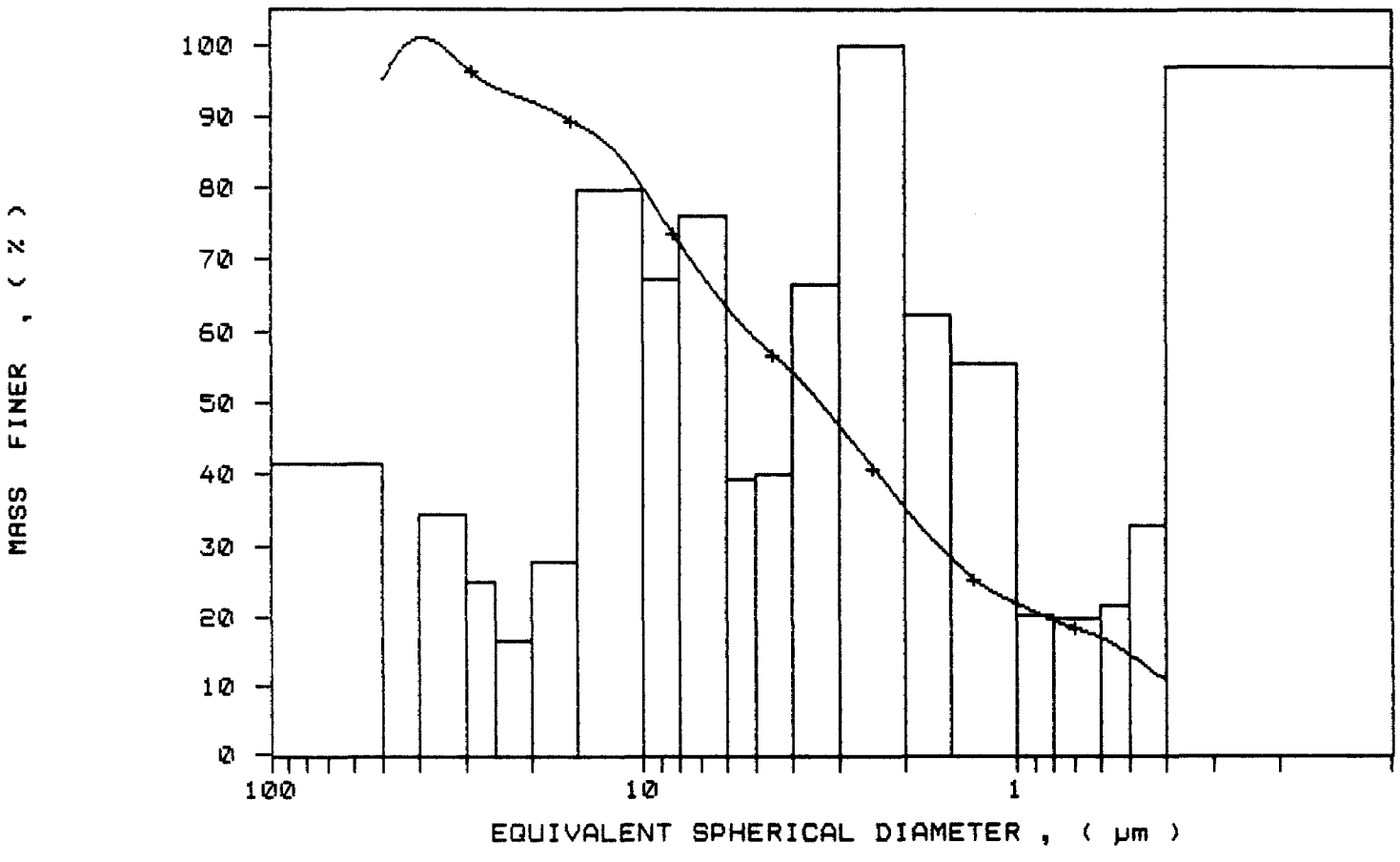
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	95.3	4.7
40.00	100.9	-5.6
30.00	96.9	4.0
25.00	94.1	2.8
20.00	92.2	1.9
15.00	89.0	3.2
10.00	79.9	9.1
8.00	72.2	7.7
6.00	63.5	8.7
5.00	59.0	4.5
4.00	54.4	4.6
3.00	46.8	7.6
2.00	35.5	11.4
1.50	28.3	7.1
1.00	22.0	6.4
0.80	19.6	2.3
0.60	17.3	2.3
0.50	14.8	2.5
0.40	11.1	3.8



SAMPLE DIRECTORY/NUMBER: DATA5 /386
SAMPLE ID: Hole 89-9 # 906
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 114 kilocounts/sec

UNIT NUMBER: 1
START 10:44:25 09/18/91
REPRT 10:52:09 09/18/91
TOT RUN TIME 0:07:23
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7273 cp
RUN TYPE: High Speed

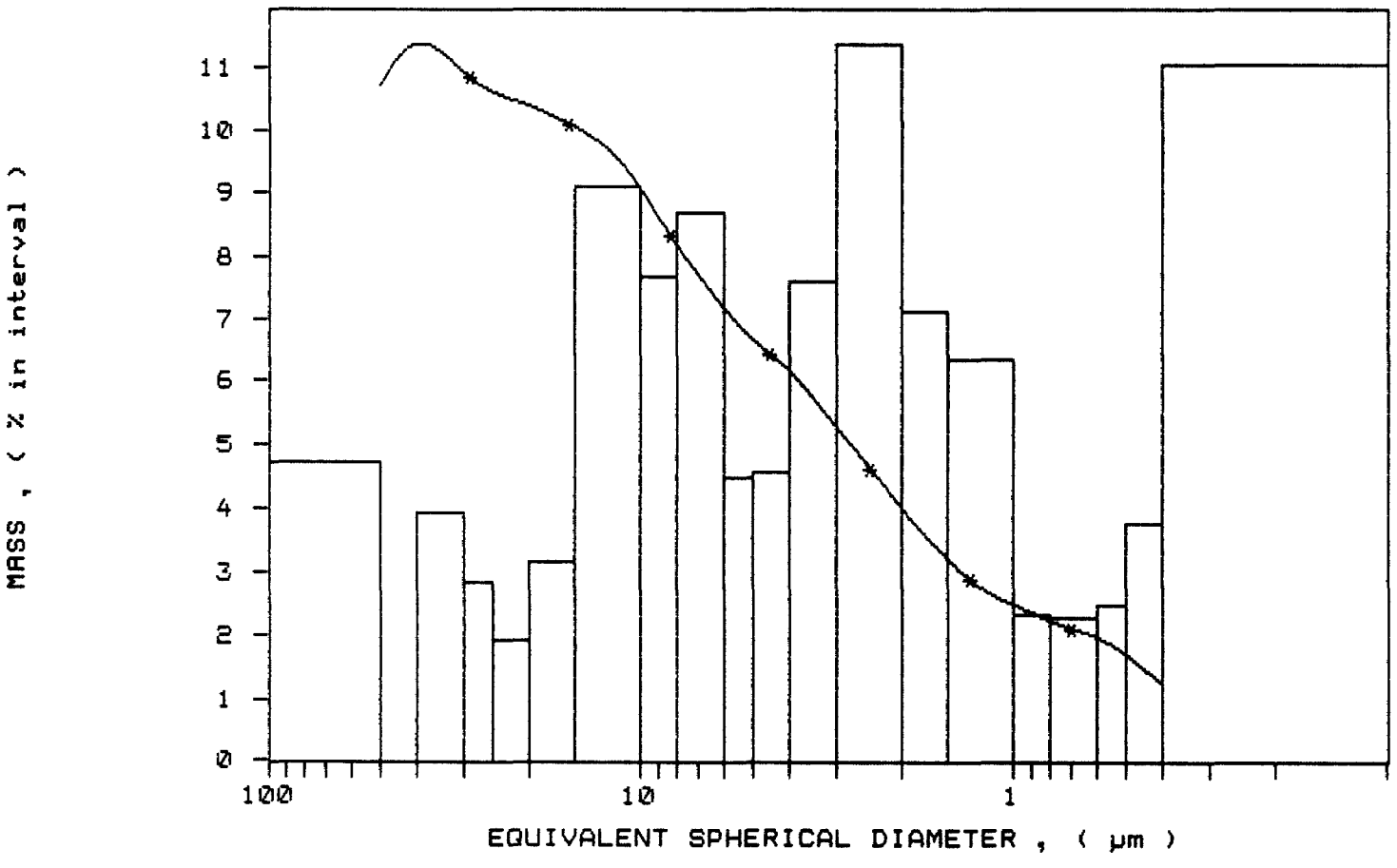
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /386
SAMPLE ID: Hole 89-9 # 906
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 114 kilocounts/sec

UNIT NUMBER: 1
START 10:44:25 09/18/91
REPRT 10:52:09 09/18/91
TOT RUN TIME 0:07:23
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7273 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 907

SediGraph 5100 V3.02

SAMPLE DIRECTORY/NUMBER: DATA5 /387
SAMPLE ID: Hole 89-9 # 907
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 94 kilocounts/sec

UNIT NUMBER: 1
START 11:06:36 09/18/91
REPRT 11:14:30 09/18/91
TOT RUN TIME 0:07:32
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

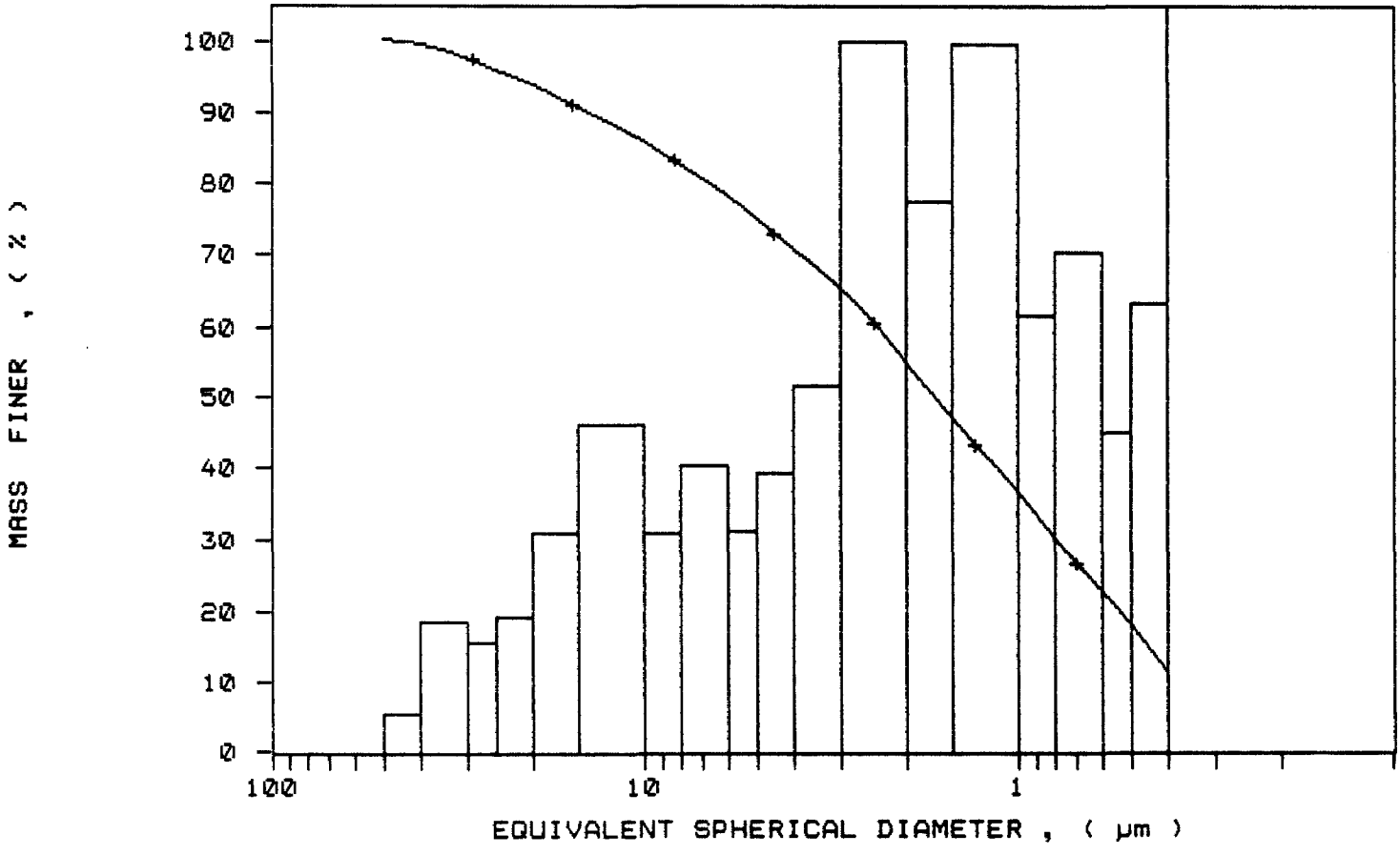
MEDIAN DIAMETER: 1.67 µm
MODAL DIAMETER: 0.40 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.1	-0.1
40.00	99.5	0.6
30.00	97.6	2.0
25.00	95.9	1.7
20.00	93.9	2.0
15.00	90.6	3.3
10.00	85.8	4.8
8.00	82.6	3.2
6.00	78.3	4.2
5.00	75.1	3.3
4.00	71.0	4.1
3.00	65.5	5.4
2.00	55.1	10.4
1.50	47.0	8.1
1.00	36.6	10.4
0.80	30.2	6.4
0.60	22.9	7.4
0.50	18.1	4.7
0.40	11.5	6.6

SAMPLE DIRECTORY/NUMBER: DATA5 /387
SAMPLE ID: Hole 89-9 # 907
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 94 kilocounts/sec

UNIT NUMBER: 1
START 11:06:36 09/18/91
REPRT 11:14:30 09/18/91
TOT RUN TIME 0:07:32
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp
RUN TYPE: High Speed

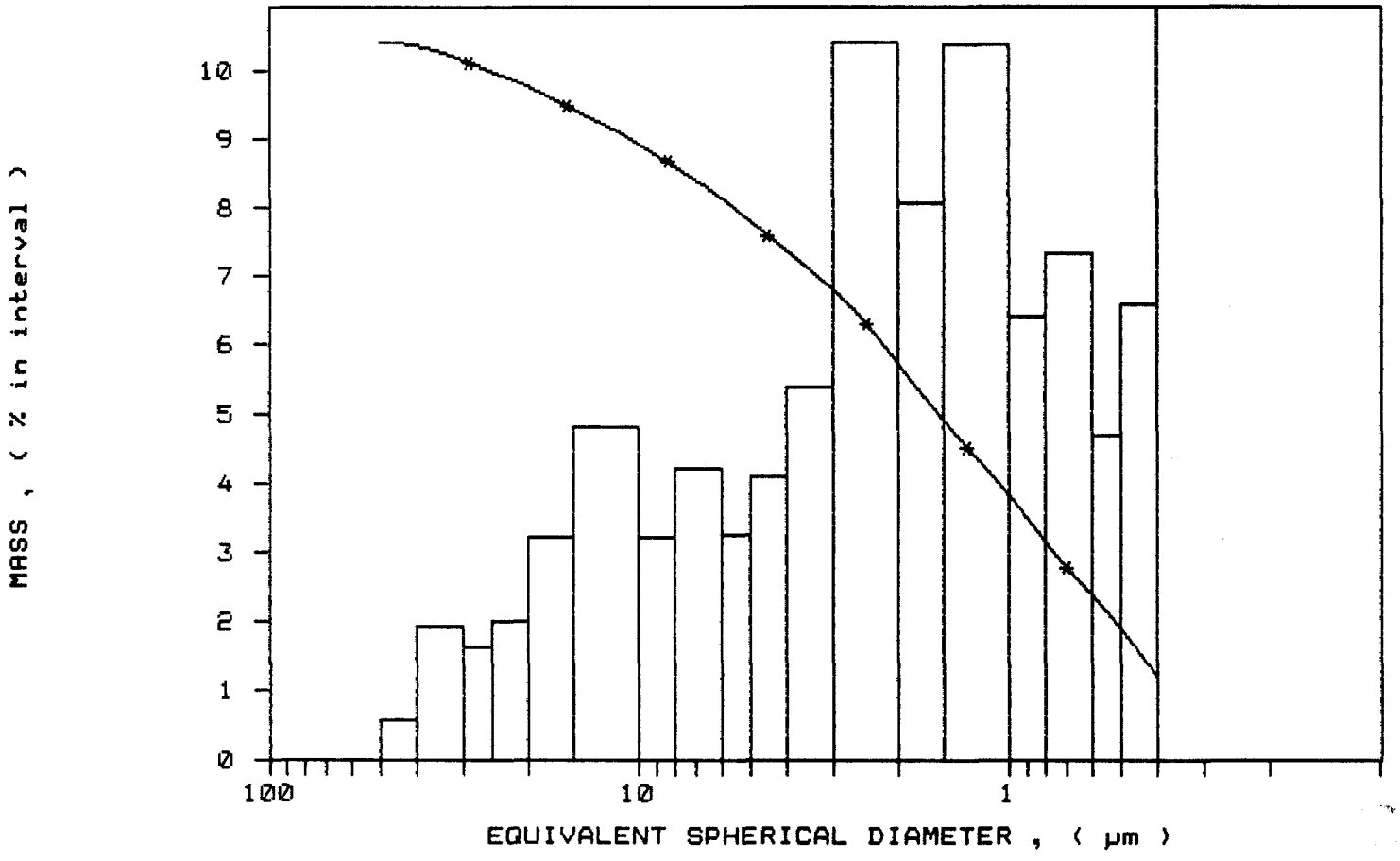
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /387
SAMPLE ID: Hole 89-9 # 907
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 94 kilocounts/sec

UNIT NUMBER: 1
START 11:06:36 09/18/91
REPRT 11:14:30 09/18/91
TOT RUN TIME 0:07:32
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /388
SAMPLE ID: Hole 89-9 # 908
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 118 kilocounts/sec

UNIT NUMBER: 1
START 11:31:27 09/18/91
REPRT 11:39:17 09/18/91
TOT RUN TIME 0:07:28
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 5.57 µm

MODAL DIAMETER: 15.30 µm

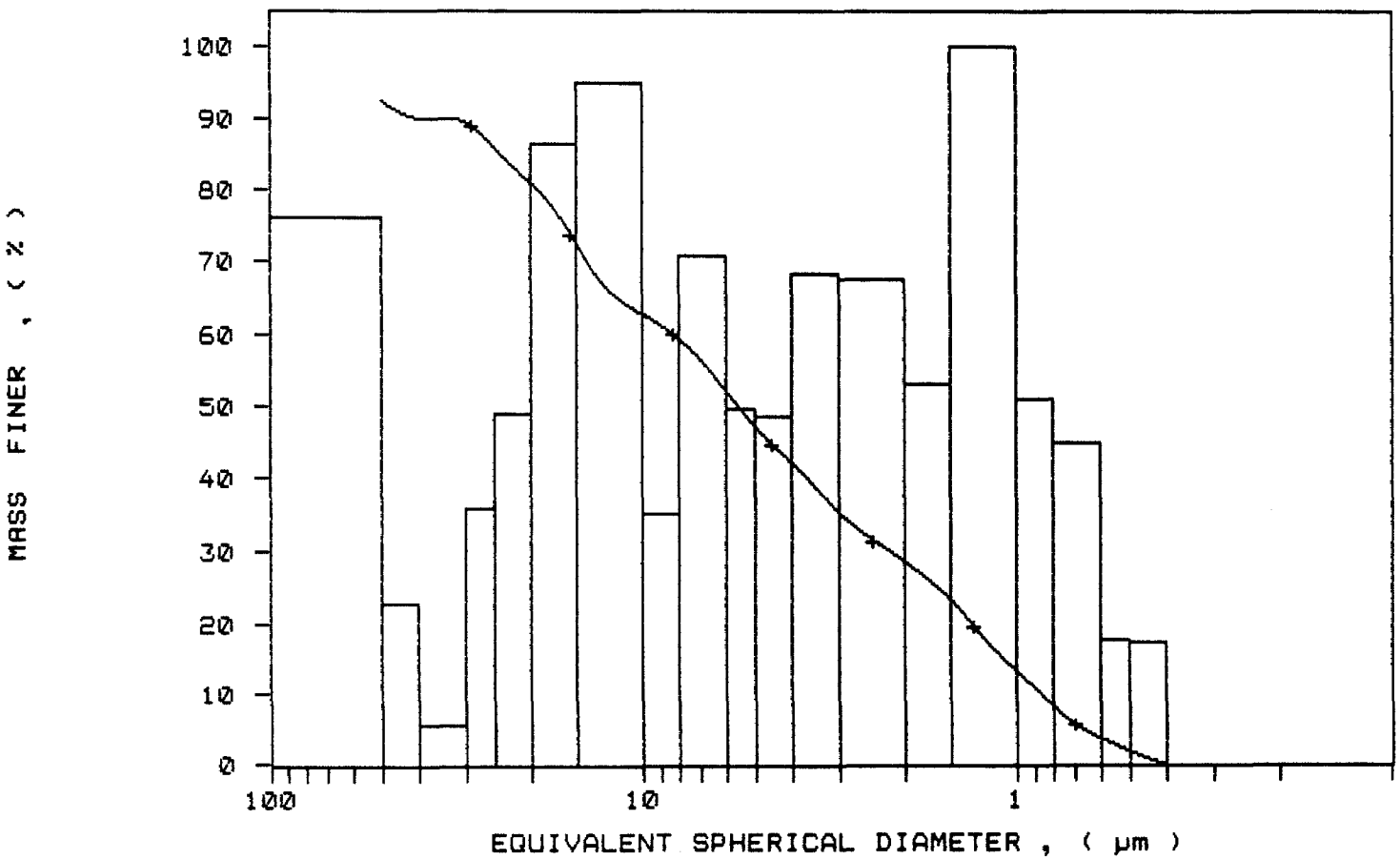
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	92.3	7.7
40.00	90.1	2.3
30.00	89.5	0.6
25.00	85.9	3.6
20.00	81.0	4.9
15.00	72.3	8.7
10.00	62.8	9.5
8.00	59.2	3.5
6.00	52.1	7.1
5.00	47.1	5.0
4.00	42.3	4.9
3.00	35.4	6.9
2.00	28.6	6.8
1.50	23.2	5.3
1.00	13.2	10.0
0.80	8.1	5.1
0.60	3.6	4.5
0.50	1.7	1.8
0.40	-0.0	1.8

MINERAL RESEARCH
CANADA
INDUSTRIAL BLVD RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123
PHONE (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /388
SAMPLE ID: Hole 89-9 # 908
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 118 kilocounts/sec

UNIT NUMBER: 1
START 11:31:27 09/18/91
REPRT 11:39:17 09/18/91
TOT RUN TIME 0:07:28
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp
RUN TYPE: High Speed

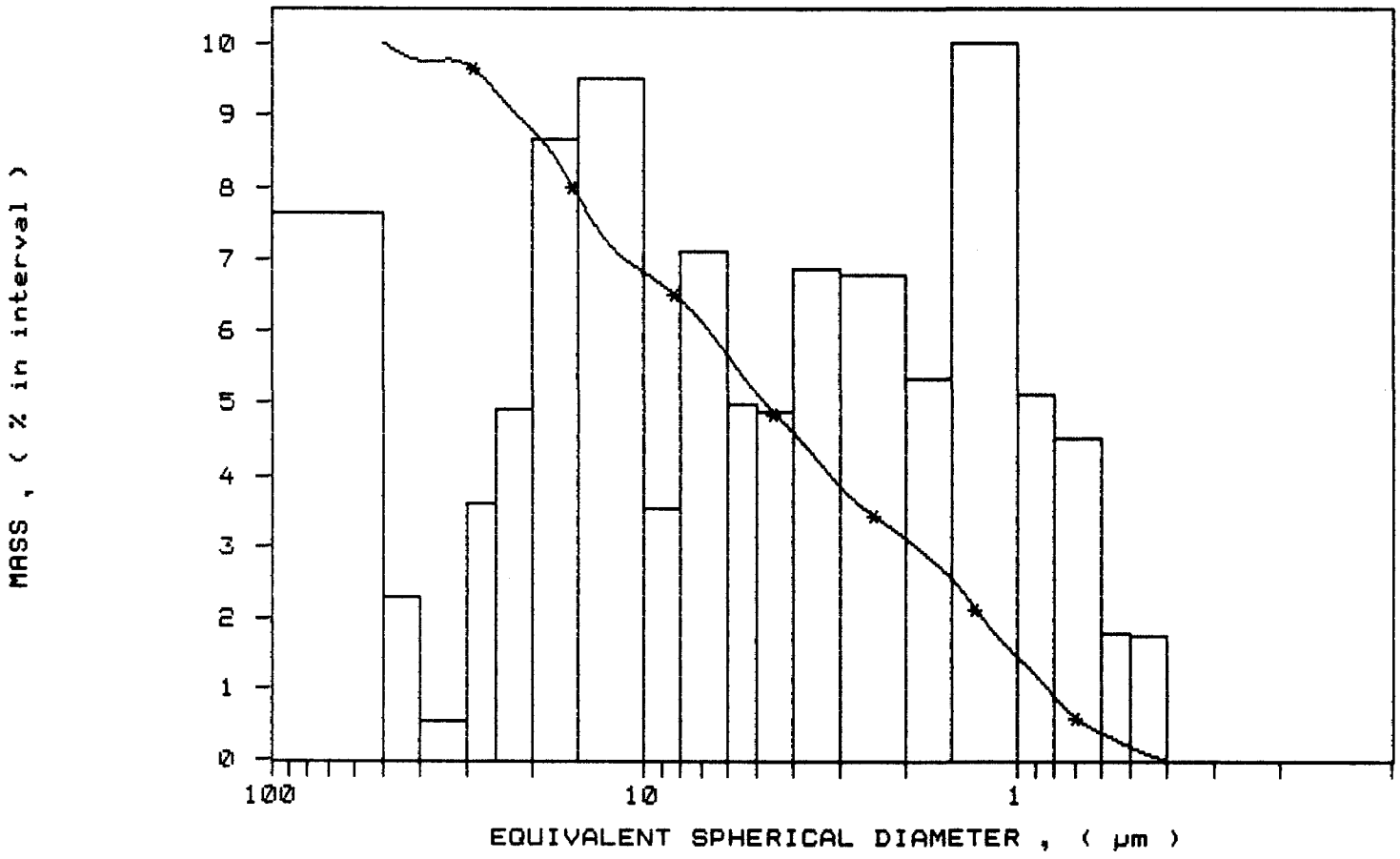
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /388
SAMPLE ID: Hole 89-9 # 908
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 118 kilocounts/sec

UNIT NUMBER: 1
START 11:31:27 09/18/91
REPRT 11:39:17 09/18/91
TOT RUN TIME 0:07:28
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 909

SediGraph 5100 V3.02

SAMPLE DIRECTORY/NUMBER: DATA5 /389
SAMPLE ID: Hole 89-9 # 909
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 111 kilocounts/sec

UNIT NUMBER: 1
START 11:49:50 09/18/91
REPRT 11:57:39 09/18/91
TOT RUN TIME 0:07:26
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.89 µm

MODAL DIAMETER: 4.99 µm

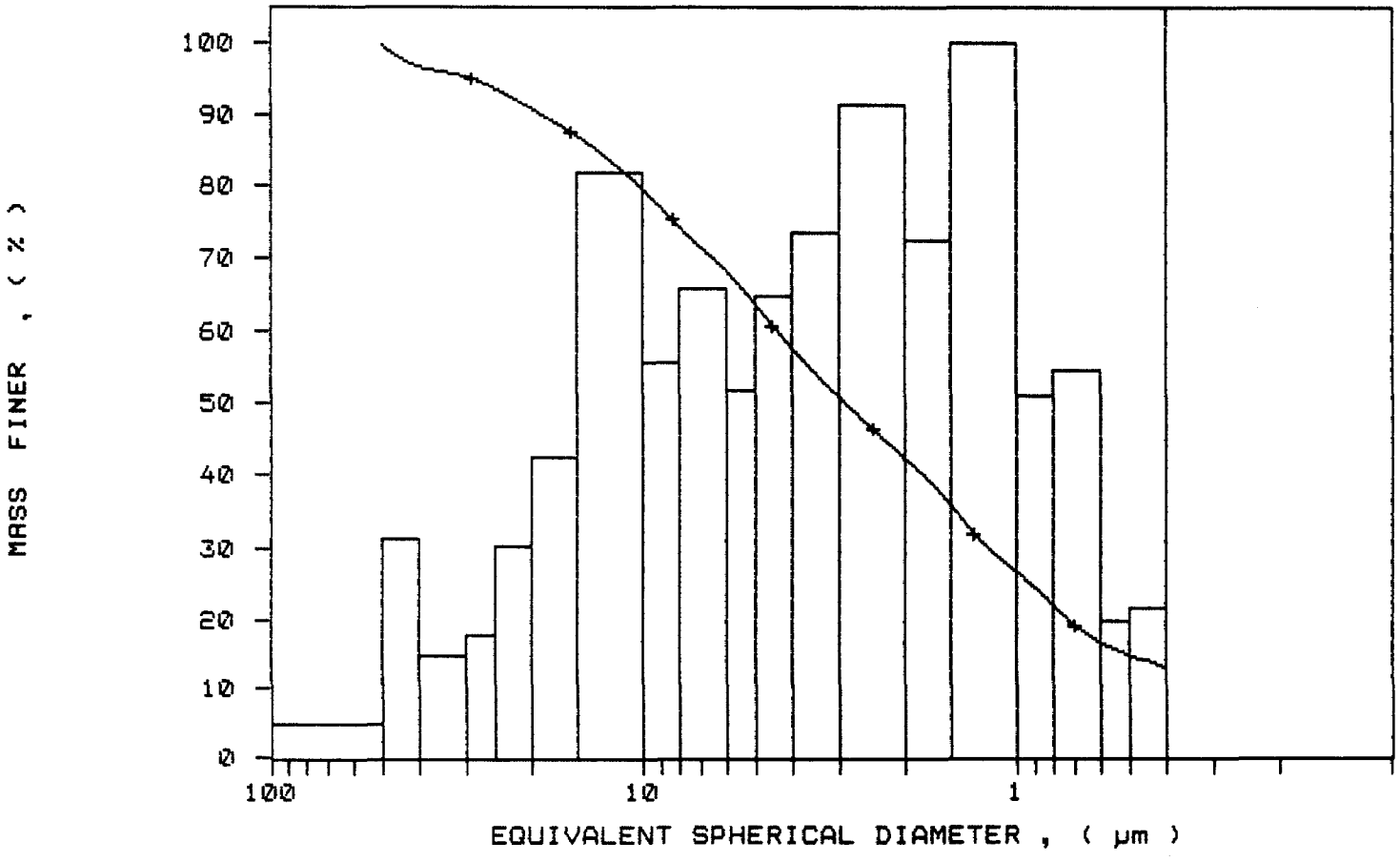
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.5	0.5
40.00	96.7	2.9
30.00	95.3	1.4
25.00	93.6	1.7
20.00	90.8	2.8
15.00	86.9	3.9
10.00	79.4	7.5
8.00	74.3	5.1
6.00	68.3	6.0
5.00	63.6	4.8
4.00	57.6	5.9
3.00	50.9	6.8
2.00	42.5	8.4
1.50	35.8	6.7
1.00	26.7	9.1
0.80	22.0	4.7
0.60	17.0	5.0
0.50	15.1	1.9
0.40	13.1	2.0

MINERAL RESEARCH
CANADA
1 [illegible] BLVD RR2
[illegible], ONTARIO
CANADA [illegible]
FAX (705) 378-5123 [illegible](705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /389
SAMPLE ID: Hole 89-9 # 909
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 111 kilocounts/sec

UNIT NUMBER: 1
START 11:49:50 09/18/91
REPRT 11:57:39 09/18/91
TOT RUN TIME 0:07:26
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp
RUN TYPE: High Speed

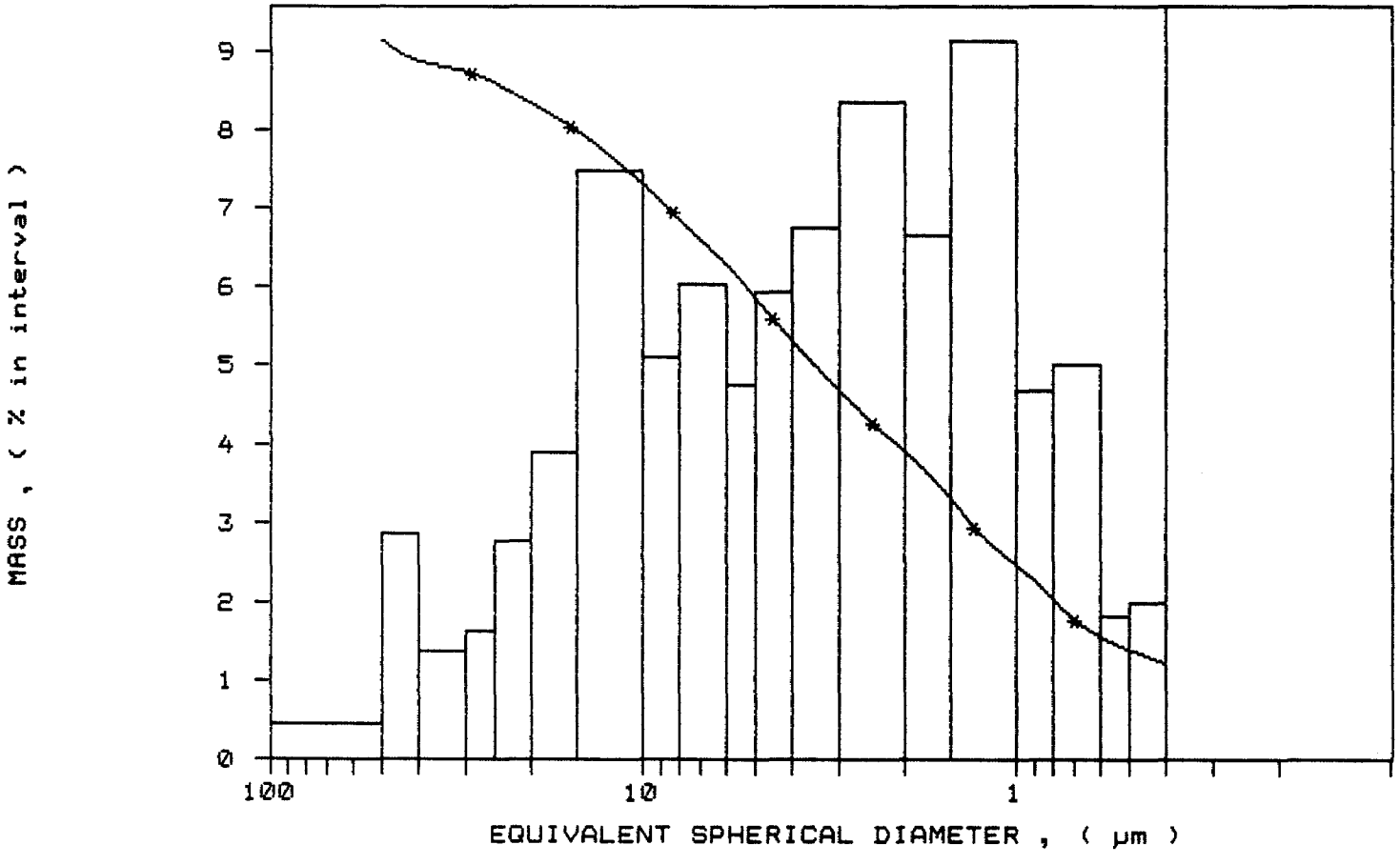
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /389
SAMPLE ID: Hole 89-9 # 909
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 111 kilocounts/sec

UNIT NUMBER: 1
START 11:49:50 09/18/91
REPRT 11:57:39 09/18/91
TOT RUN TIME 0:07:26
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 910

SediGraph 5100 V3.02

SAMPLE DIRECTORY/NUMBER: DATA5 /390
SAMPLE ID: Hole 89-9 # 910
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 103 kilocounts/sec

UNIT NUMBER: 1
START 12:36:00 09/18/91
REPRT 12:43:49 09/18/91
TOT RUN TIME 0:07:27
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

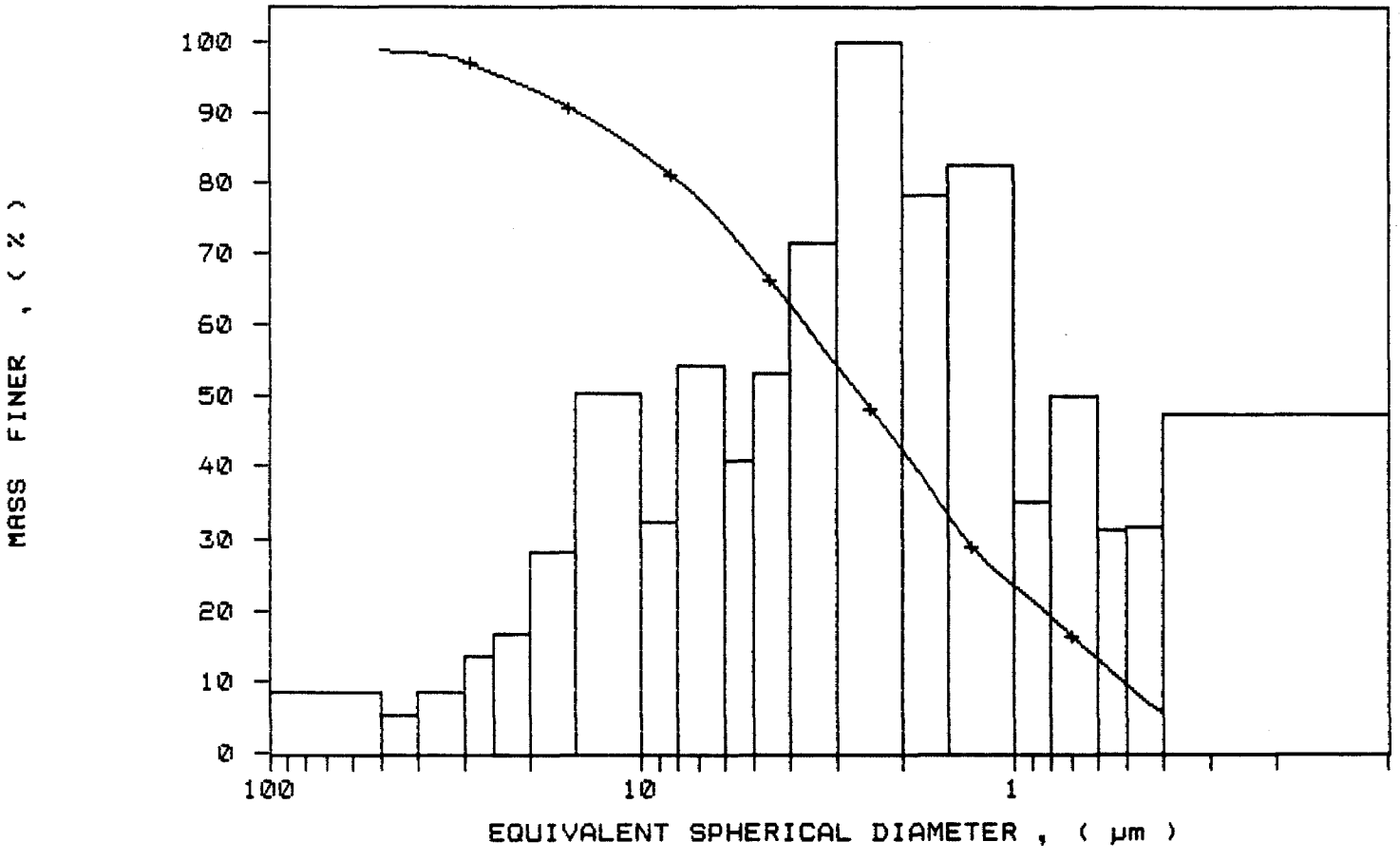
MEDIAN DIAMETER: 2.58 µm
MODAL DIAMETER: 1.61 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.0	1.0
40.00	98.3	0.7
30.00	97.3	1.0
25.00	95.7	1.6
20.00	93.6	2.0
15.00	90.3	3.4
10.00	84.3	6.0
8.00	80.4	3.9
6.00	74.0	6.5
5.00	69.1	4.8
4.00	62.8	6.3
3.00	54.3	8.5
2.00	42.4	11.9
1.50	33.1	9.3
1.00	23.3	9.8
0.80	19.1	4.2
0.60	13.2	6.0
0.50	9.4	3.7
0.40	5.7	3.8

SAMPLE DIRECTORY/NUMBER: DATA5 /390
SAMPLE ID: Hole 89-9 # 910
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 103 kilocounts/sec

UNIT NUMBER: 1
START 12:36:00 09/18/91
REPRT 12:43:49 09/18/91
TOT RUN TIME 0:07:27
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp
RUN TYPE: High Speed

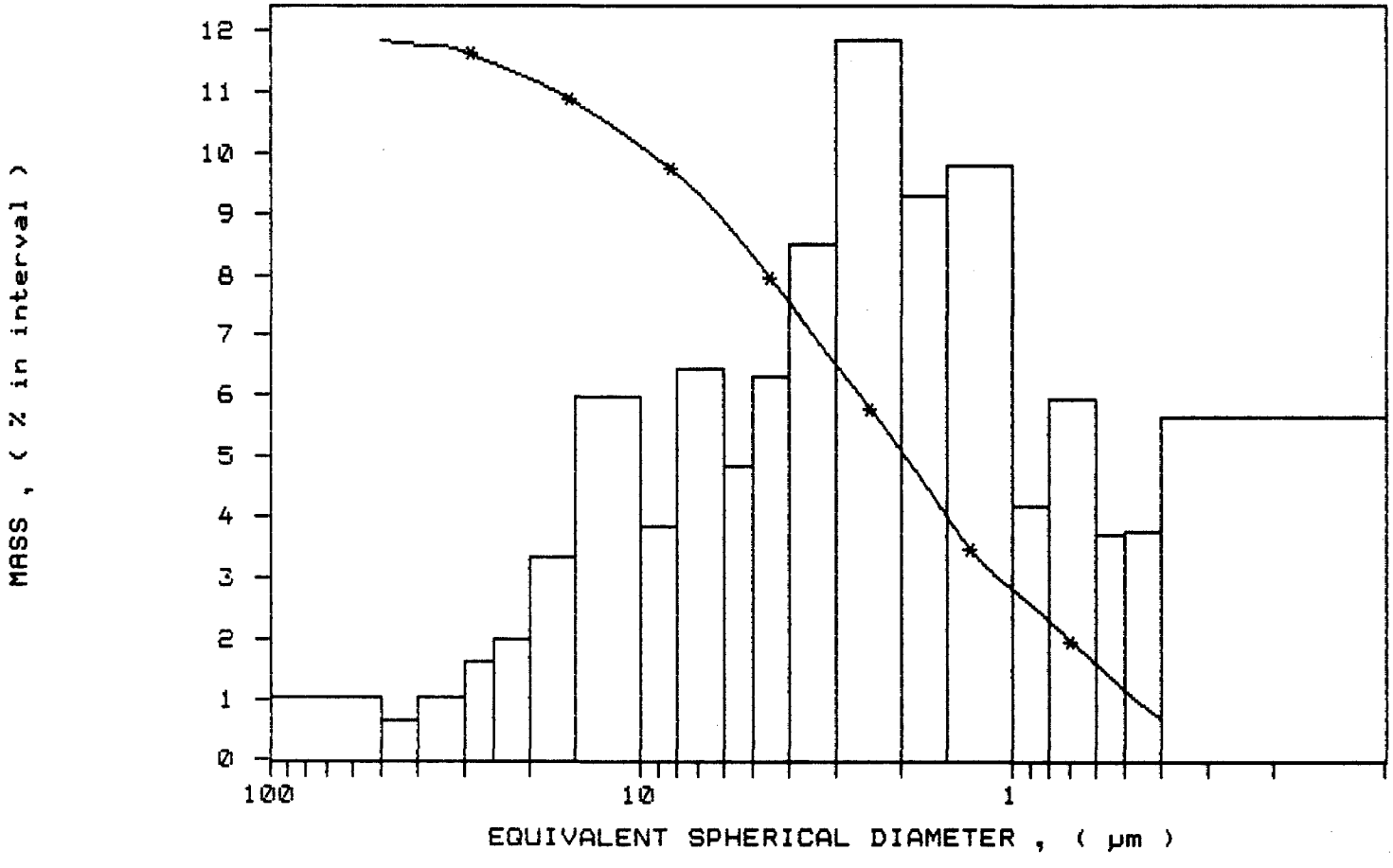
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /390
SAMPLE ID: Hole 89-9 # 910
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 103 kilocounts/sec

UNIT NUMBER: 1
START 12:36:00 09/18/91
REPRT 12:43:49 09/18/91
TOT RUN TIME 0:07:27
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /391
SAMPLE ID: Hole 89-9 # 911
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 98 kilocounts/sec

UNIT NUMBER: 1
START 12:56:15 09/18/91
REPRT 13:04:09 09/18/91
TOT RUN TIME 0:07:33
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.68 µm

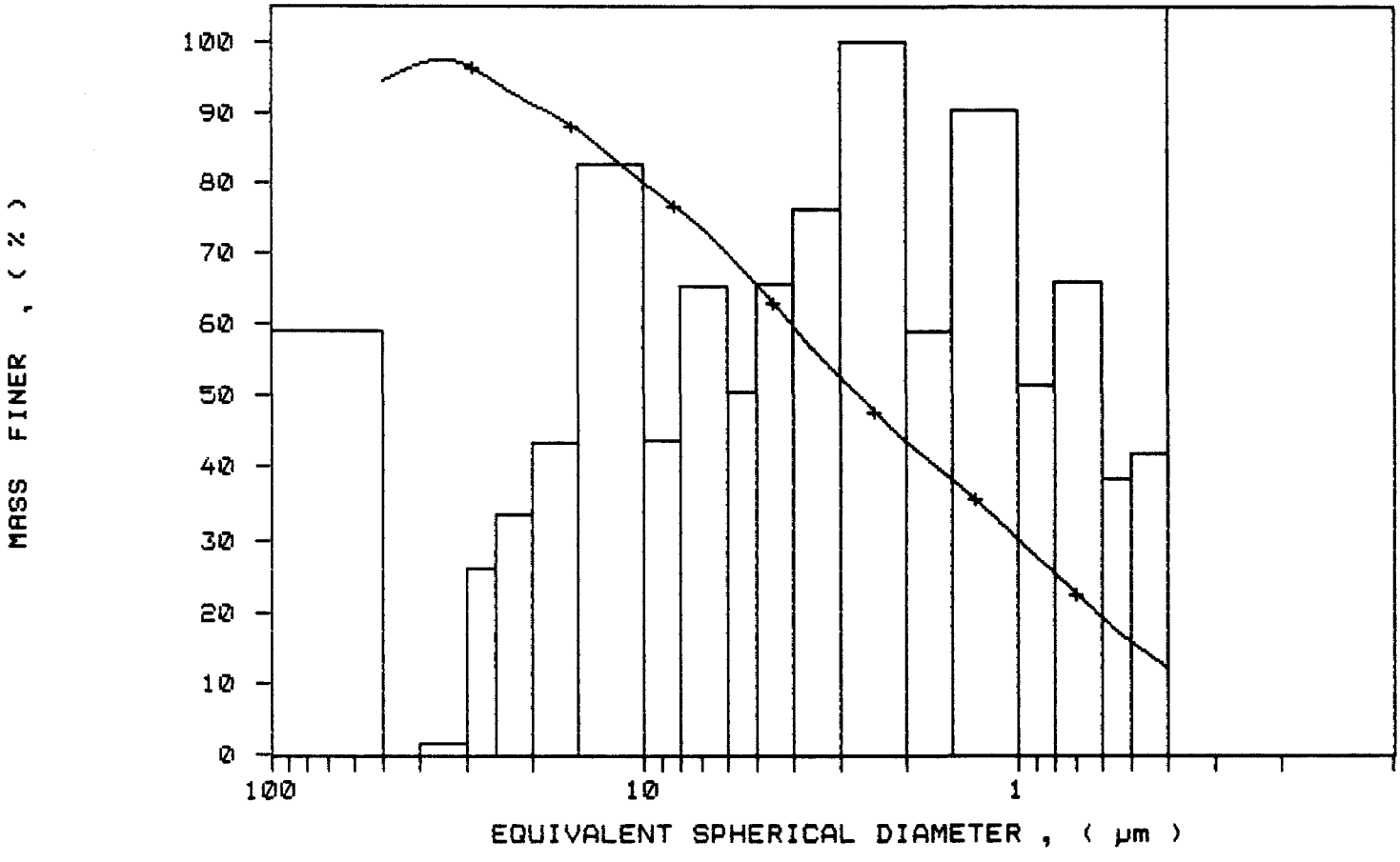
MODAL DIAMETER: 4.28 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	94.6	5.4
40.00	96.9	-2.2
30.00	96.7	0.2
25.00	94.3	2.4
20.00	91.3	3.1
15.00	87.4	3.9
10.00	79.9	7.5
8.00	75.9	4.0
6.00	70.0	5.9
5.00	65.4	4.6
4.00	59.5	5.9
3.00	52.6	6.9
2.00	43.5	9.1
1.50	38.1	5.4
1.00	29.9	8.2
0.80	25.3	4.7
0.60	19.3	6.0
0.50	15.8	3.5
0.40	12.0	3.8

SAMPLE DIRECTORY/NUMBER: DATA5 /391
SAMPLE ID: Hole 89-9 # 911
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 98 kilocounts/sec

UNIT NUMBER: 1
START 12:56:15 09/18/91
REFRT 13:04:09 09/18/91
TOT RUN TIME 0:07:33
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp
RUN TYPE: High Speed

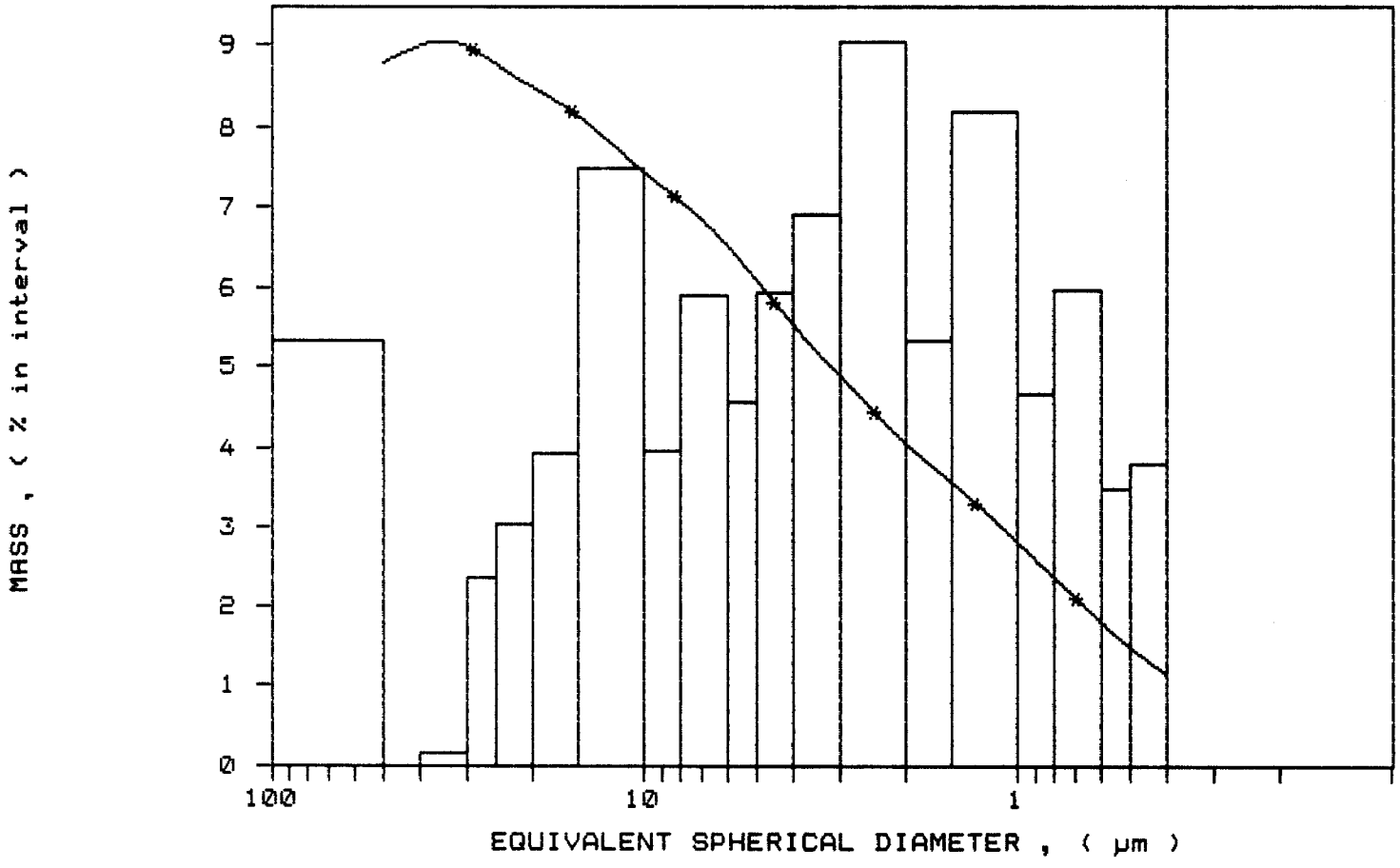
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /391
SAMPLE ID: Hole 89-9 # 911
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 98 kilocounts/sec

UNIT NUMBER: 1
START 12:56:15 09/18/91
REPRT 13:04:09 09/18/91
TOT RUN TIME 0:07:33
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /392
SAMPLE ID: Hole 89-9 # 912
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 116 kilocounts/sec

UNIT NUMBER: 1
START 13:16:12 09/18/91
REPRT 13:24:04 09/18/91
TOT RUN TIME 0:07:31
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

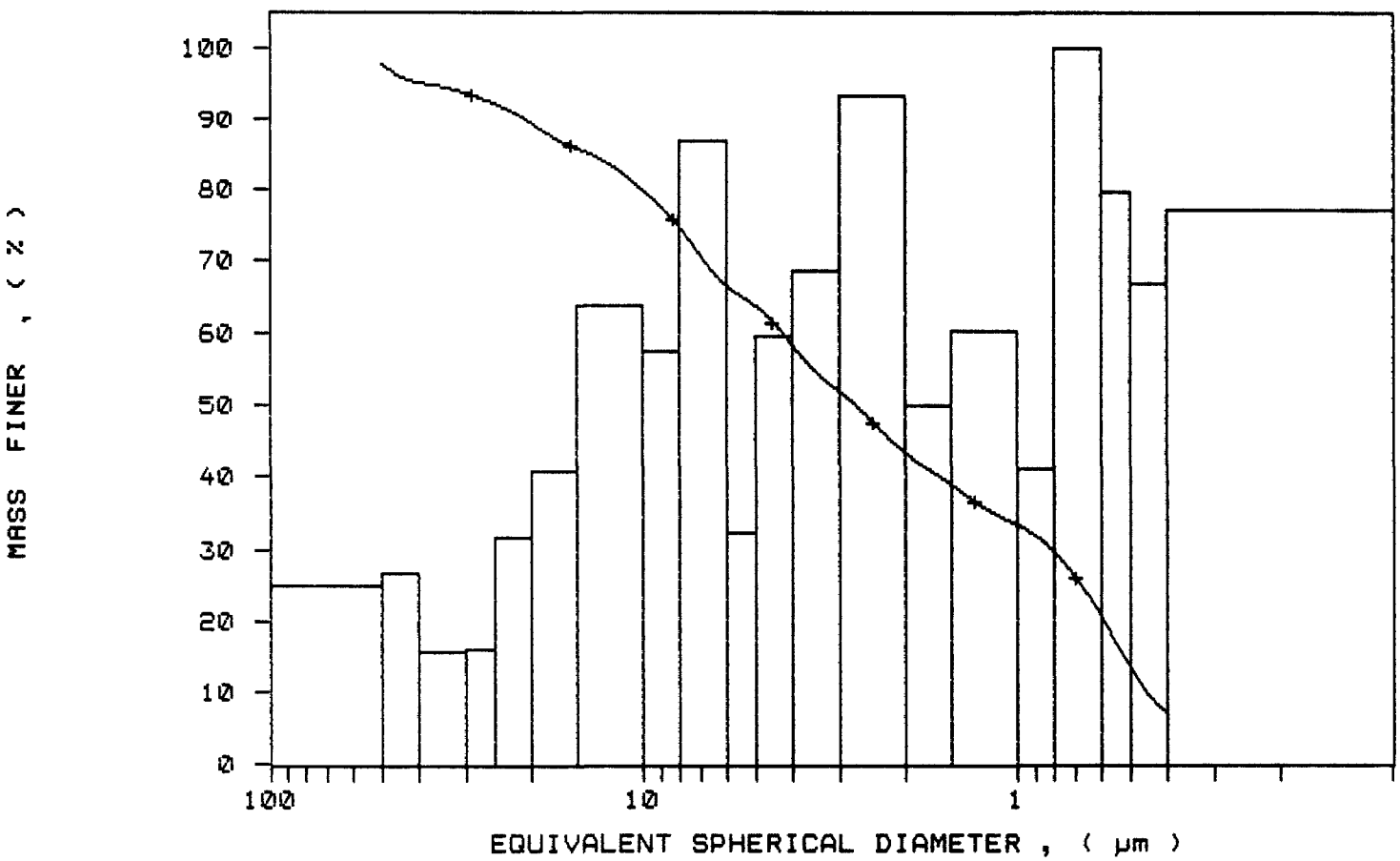
MEDIAN DIAMETER: 2.70 µm MODAL DIAMETER: 0.54 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.7	2.3
40.00	95.3	2.4
30.00	93.8	1.5
25.00	92.3	1.5
20.00	89.4	2.9
15.00	85.7	3.7
10.00	79.8	5.8
8.00	74.6	5.3
6.00	66.7	7.9
5.00	63.7	3.0
4.00	58.3	5.4
3.00	52.0	6.3
2.00	43.4	8.5
1.50	38.9	4.6
1.00	33.4	5.5
0.80	29.6	3.8
0.60	20.5	9.1
0.50	13.2	7.3
0.40	7.1	6.1

SAMPLE DIRECTORY/NUMBER: DATA5 /392
SAMPLE ID: Hole 89-9 # 912
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 116 kilocounts/sec

UNIT NUMBER: 1
START 13:16:12 09/18/91
REPRT 13:24:04 09/18/91
TOT RUN TIME 0:07:31
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp
RUN TYPE: High Speed

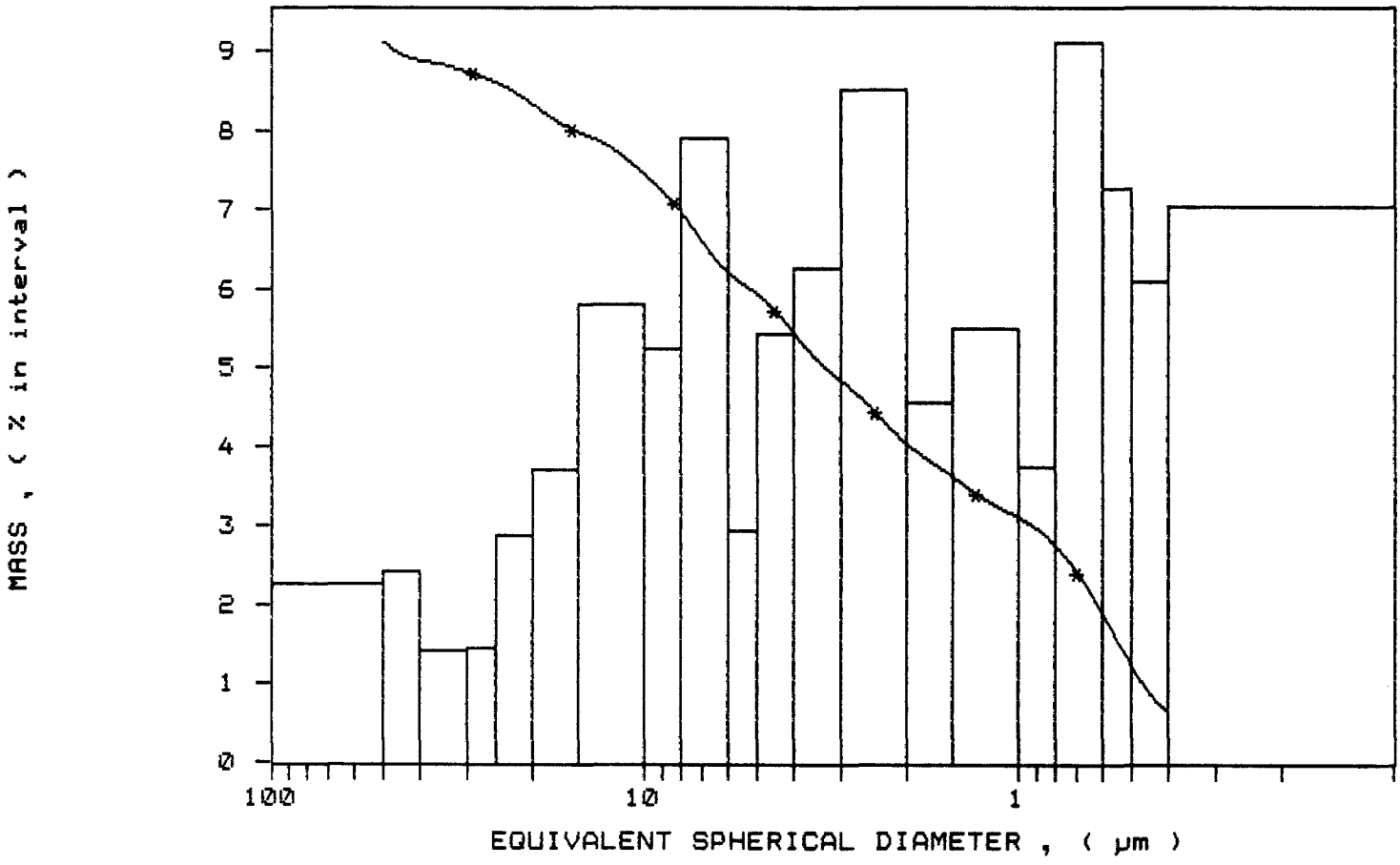
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /392
SAMPLE ID: Hole 89-9 # 912
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 116 kilocounts/sec

UNIT NUMBER: 1
START 13:16:12 09/18/91
REFRT 13:24:04 09/18/91
TOT RUN TIME 0:07:31
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 913

SediGraph 5100 V3.02

SAMPLE DIRECTORY/NUMBER: DATA5 /393
SAMPLE ID: Hole 89-9 # 913
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 111 kilocounts/sec

UNIT NUMBER: 1
START 13:54:31 09/18/91
REPRT 14:02:22 09/18/91
TOT RUN TIME 0:07:29
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 5.54 µm

MODAL DIAMETER: 23.01 µm

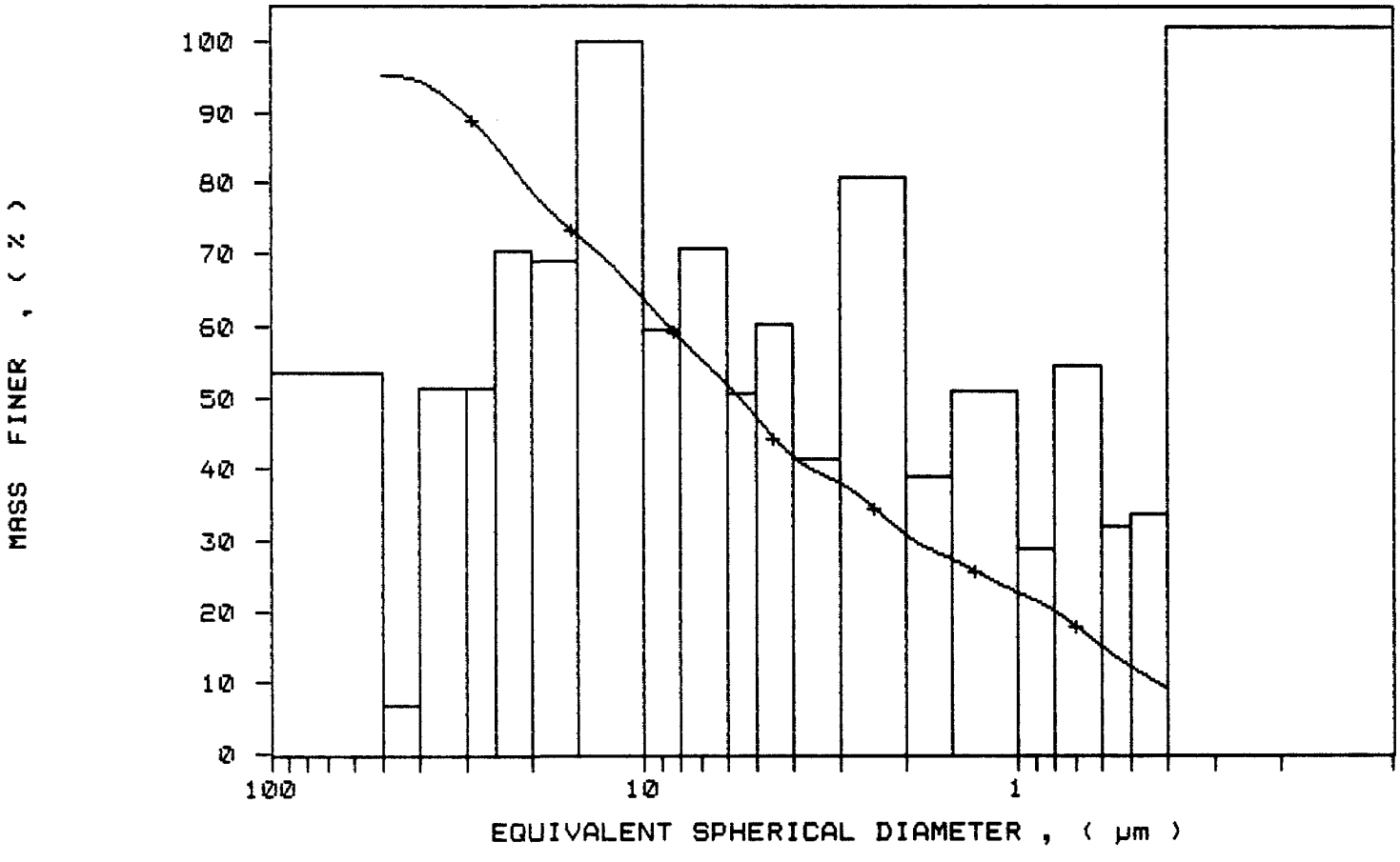
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	95.2	4.8
40.00	94.5	0.6
30.00	89.9	4.7
25.00	85.2	4.6
20.00	78.9	6.4
15.00	72.7	6.2
10.00	63.7	9.0
8.00	58.3	5.4
6.00	51.9	6.4
5.00	47.3	4.6
4.00	41.9	5.4
3.00	38.1	3.8
2.00	30.8	7.3
1.50	27.3	3.5
1.00	22.7	4.6
0.80	20.1	2.6
0.60	15.1	4.9
0.50	12.2	2.9
0.40	9.2	3.1

MINERAL RESEARCH
CANADA
FAX (705) 378-9123
TEL (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /393
SAMPLE ID: Hole 89-9 # 913
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 111 kilocounts/sec

UNIT NUMBER: 1
START 13:54:31 09/18/91
REPRT 14:02:22 09/18/91
TOT RUN TIME 0:07:29
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp
RUN TYPE: High Speed

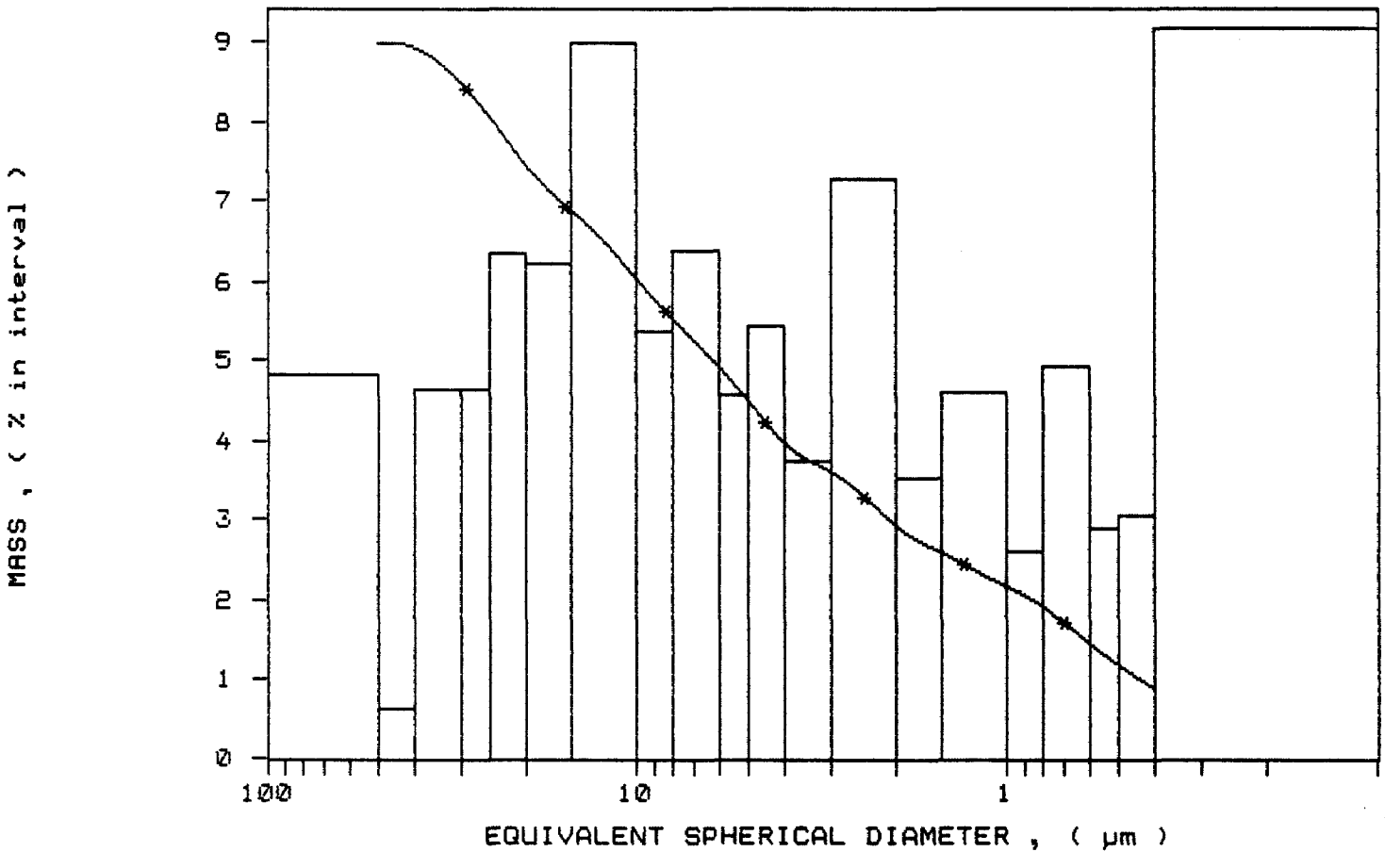
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /393
SAMPLE ID: Hole 89-9 # 913
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C
BASELINE/FULL SCALE: 129/ 111 kilocounts/sec

UNIT NUMBER: 1
START 13:54:31 09/18/91
REPRT 14:02:22 09/18/91
TOT RUN TIME 0:07:29
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /394
SAMPLE ID: Hole 89-9 # 914
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 116 kilocounts/sec

UNIT NUMBER: 1
START 10:28:46 03/09/92
REPRT 13:07:51 10/16/92
TOT RUN TIME 0:07:29
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7330 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.68 µm

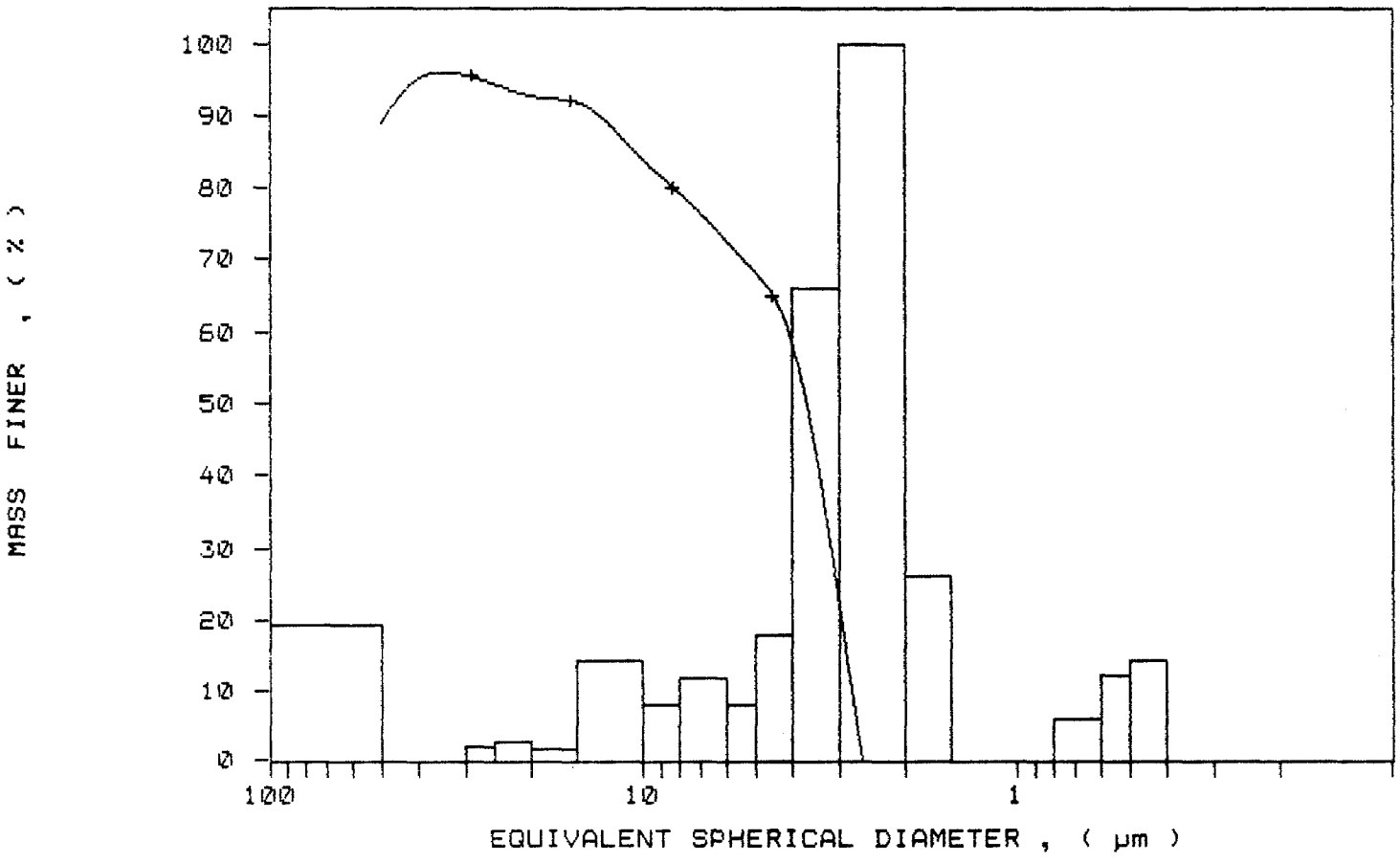
MODAL DIAMETER: 2.89 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	89.1	10.9
40.00	95.2	-6.1
30.00	95.7	-0.5
25.00	94.4	1.3
20.00	92.8	1.6
15.00	91.8	0.9
10.00	83.8	8.0
8.00	79.3	4.6
6.00	72.6	6.7
5.00	68.1	4.5
4.00	58.0	10.1
3.00	21.3	36.7
2.00	-34.3	55.6
1.50	-48.8	14.5
1.00	-42.5	-6.3
0.80	-39.5	-2.9
0.60	-42.8	3.2
0.50	-49.7	6.9
0.40	-57.7	8.0

SAMPLE DIRECTORY/NUMBER: DATA5 /394
SAMPLE ID: Hole 89-9 # 914
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 116 kilocounts/sec

UNIT NUMBER: 1
START 10:28:46 03/09/92
REPRT 13:07:51 10/16/92
TOT RUN TIME 0:07:29
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7330 cp
RUN TYPE: High Speed

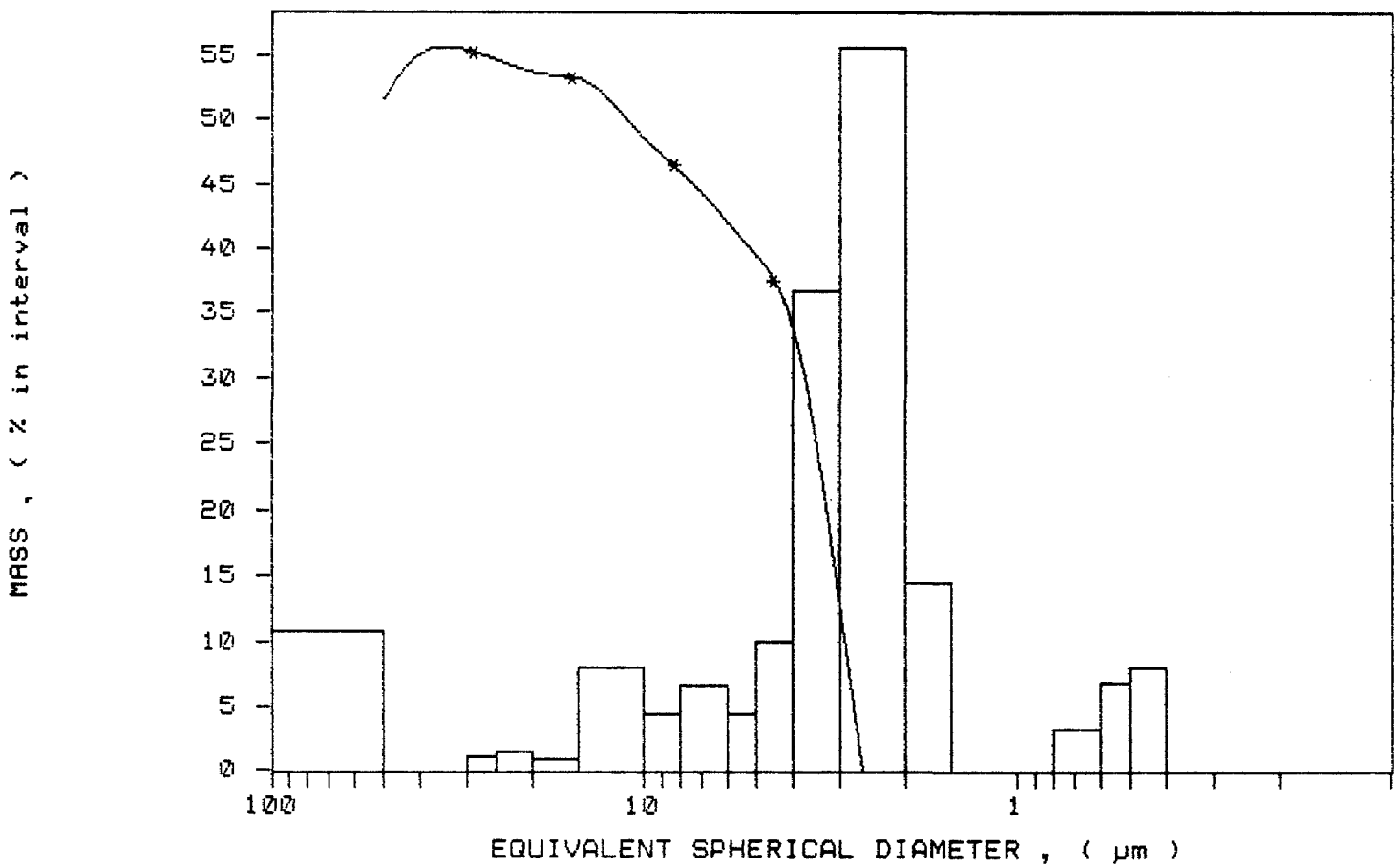
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /394
SAMPLE ID: Hole 89-9 # 914
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 116 kilocounts/sec

UNIT NUMBER: 1
START 10:28:46 03/09/92
REPRT 13:07:51 10/16/92
TOT RUN TIME 0:07:29
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7330 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /395
SAMPLE ID: Hole 89-9 # 915
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 101 kilocounts/sec

UNIT NUMBER: 1
START 10:50:24 03/09/92
REPRT 13:14:27 10/16/92
TOT RUN TIME 0:07:40
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.10 µm

MODAL DIAMETER: 4.56 µm

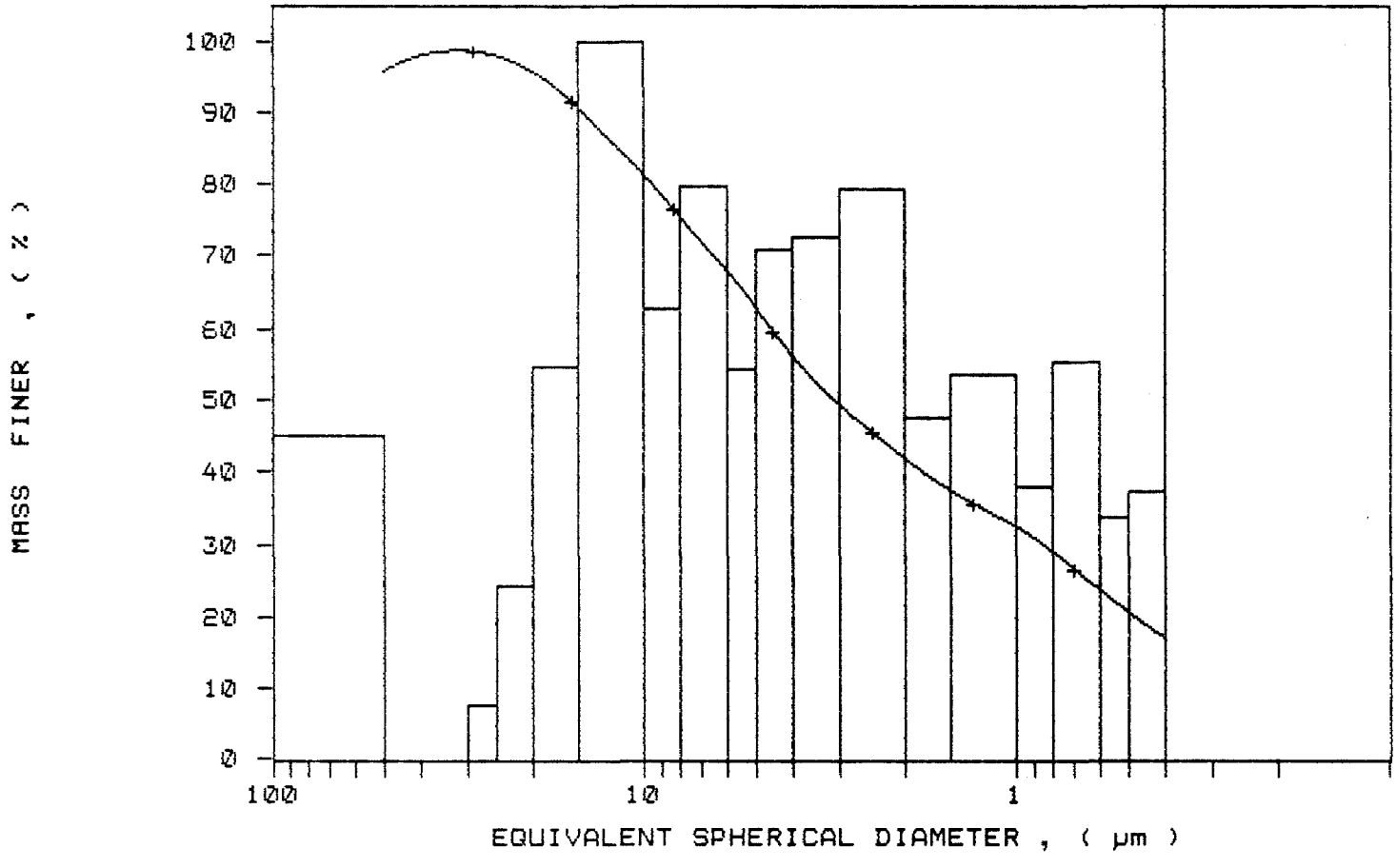
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	95.8	4.2
40.00	98.0	-2.2
30.00	98.7	-0.7
25.00	97.9	0.7
20.00	95.6	2.3
15.00	90.5	5.1
10.00	81.2	9.3
8.00	75.3	5.9
6.00	67.8	7.5
5.00	62.8	5.1
4.00	56.1	6.6
3.00	49.3	6.8
2.00	41.9	7.4
1.50	37.5	4.5
1.00	32.4	5.0
0.80	28.9	3.6
0.60	23.7	5.2
0.50	20.5	3.2
0.40	17.0	3.5

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P0A 2W0
FAX (705) 378-5123 PHONE (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /395
SAMPLE ID: Hole 89-9 # 915
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 101 kilocounts/sec

UNIT NUMBER: 1
START 10:50:24 03/09/92
REPRT 13:14:27 10/16/92
TOT RUN TIME 0:07:40
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

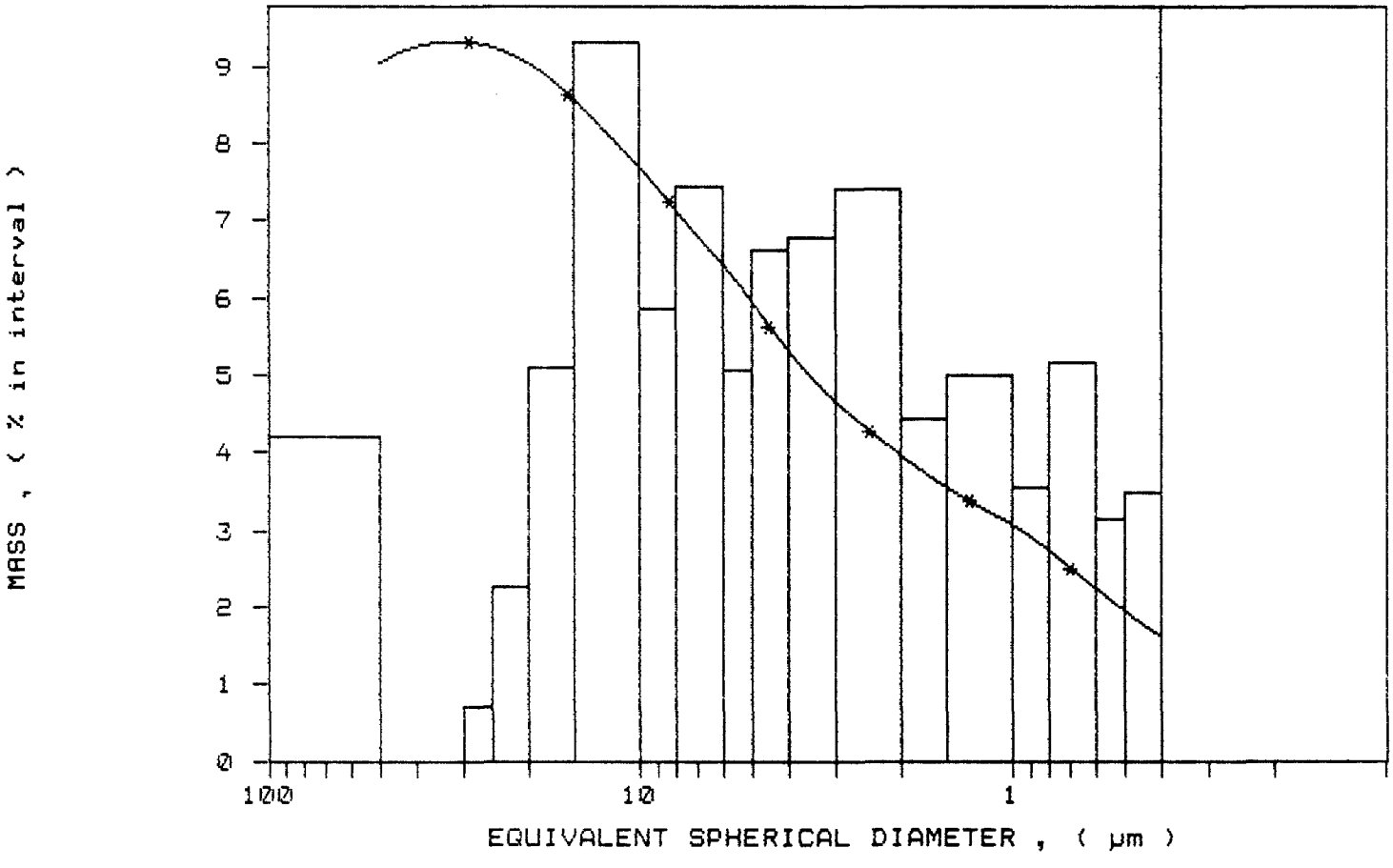
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /395
SAMPLE ID: Hole 89-9 # 915
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 101 kilocounts/sec

UNIT NUMBER: 1
START 10:50:24 03/09/92
REPRT 13:14:27 10/16/92
TOT RUN TIME 0:07:40
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /396
SAMPLE ID: Hole 89-9 # 916
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 103 kilocounts/sec

UNIT NUMBER: 1
START 11:16:58 03/09/92
REPRT 13:21:07 10/16/92
TOT RUN TIME 0:07:39
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7324 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.72 µm

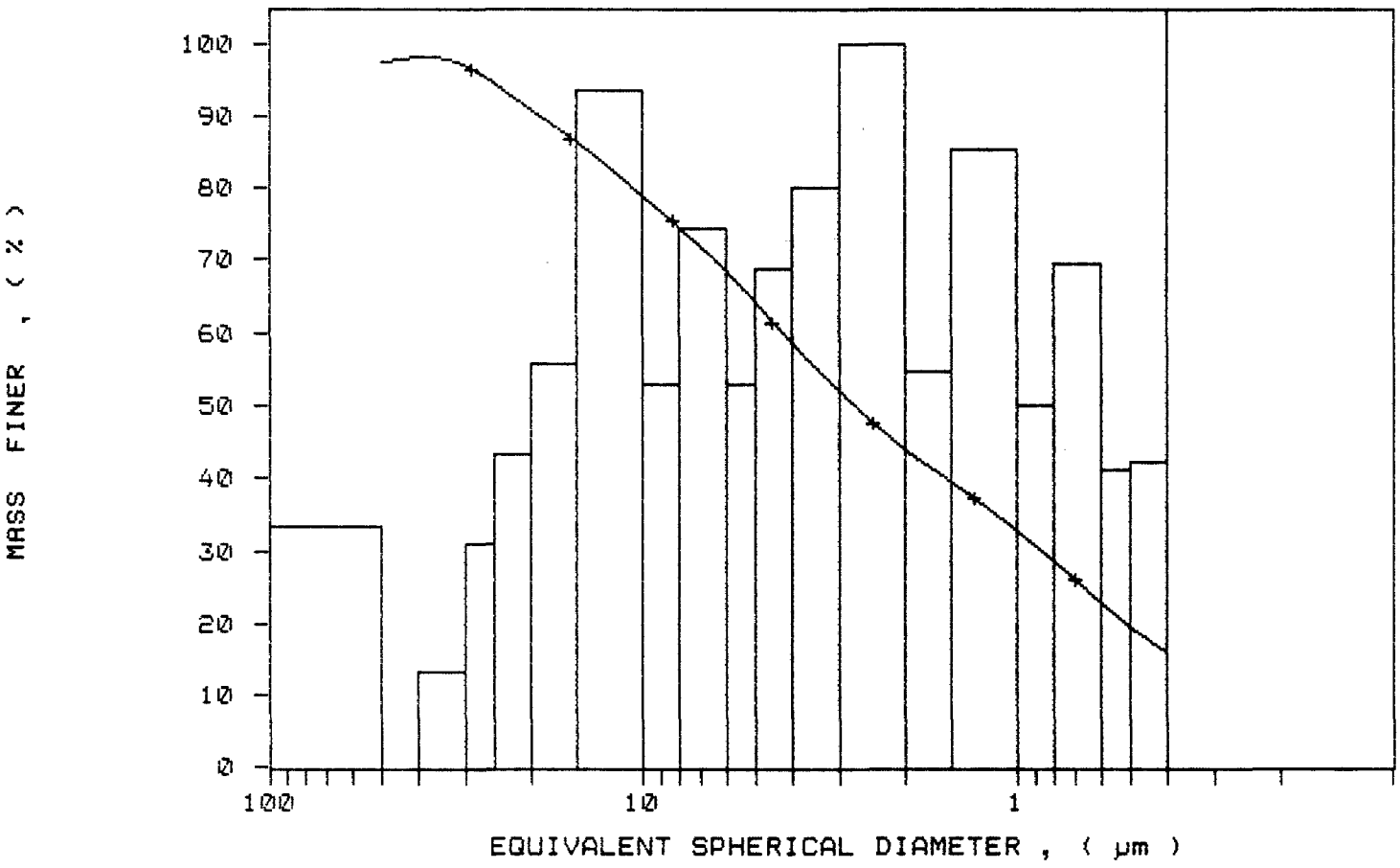
MODAL DIAMETER: 4.29 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.3	2.7
40.00	98.0	-0.8
30.00	96.9	1.1
25.00	94.4	2.5
20.00	90.9	3.5
15.00	86.3	4.5
10.00	78.8	7.6
8.00	74.5	4.3
6.00	68.4	6.1
5.00	64.1	4.3
4.00	58.5	5.6
3.00	52.0	6.5
2.00	43.9	8.1
1.50	39.5	4.4
1.00	32.5	6.9
0.80	28.5	4.1
0.60	22.8	5.7
0.50	19.4	3.4
0.40	16.0	3.4

SAMPLE DIRECTORY/NUMBER: DATA5 /396
SAMPLE ID: Hole 89-9 # 916
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 103 kilocounts/sec

UNIT NUMBER: 1
START 11:16:58 03/09/92
REPRT 13:21:07 10/16/92
TOT RUN TIME 0:07:39
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7324 cp
RUN TYPE: High Speed

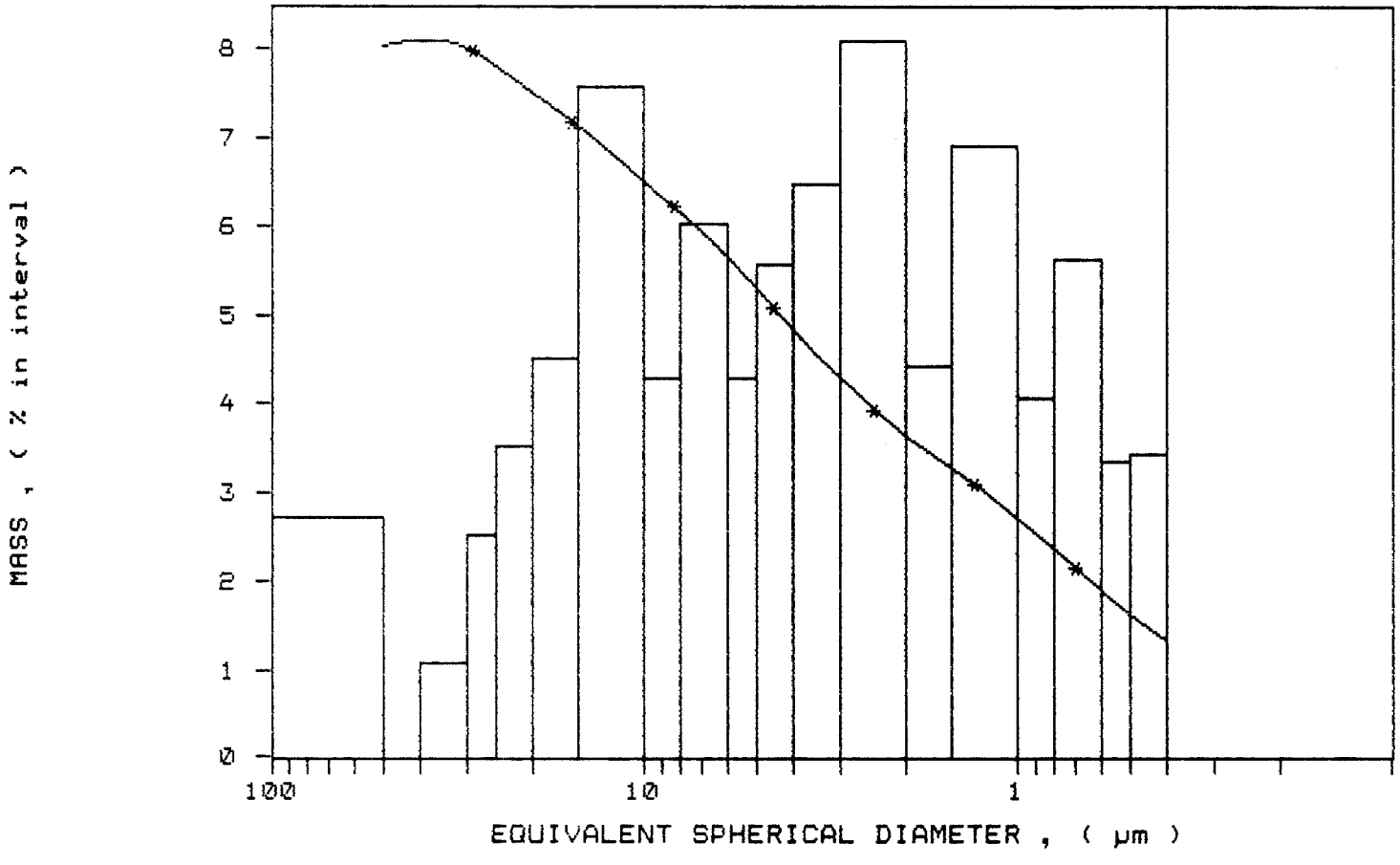
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /396
SAMPLE ID: Hole 89-9 # 916
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 103 kilocounts/sec

UNIT NUMBER: 1
START 11:16:58 03/09/92
REPRT 13:21:07 10/16/92
TOT RUN TIME 0:07:39
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7324 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 917

SediGraph 5100 V3.02

SAMPLE DIRECTORY/NUMBER: DATA5 /397
SAMPLE ID: Hole 89-9 # 917
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.0 deg C
BASELINE/FULL SCALE: 128/ 100 kilocounts/sec

UNIT NUMBER: 1
START 09:00:11 03/17/92
REPRT 13:27:47 10/16/92
TOT RUN TIME 0:07:04
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7368 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 7.06 µm

MODAL DIAMETER: 14.52 µm

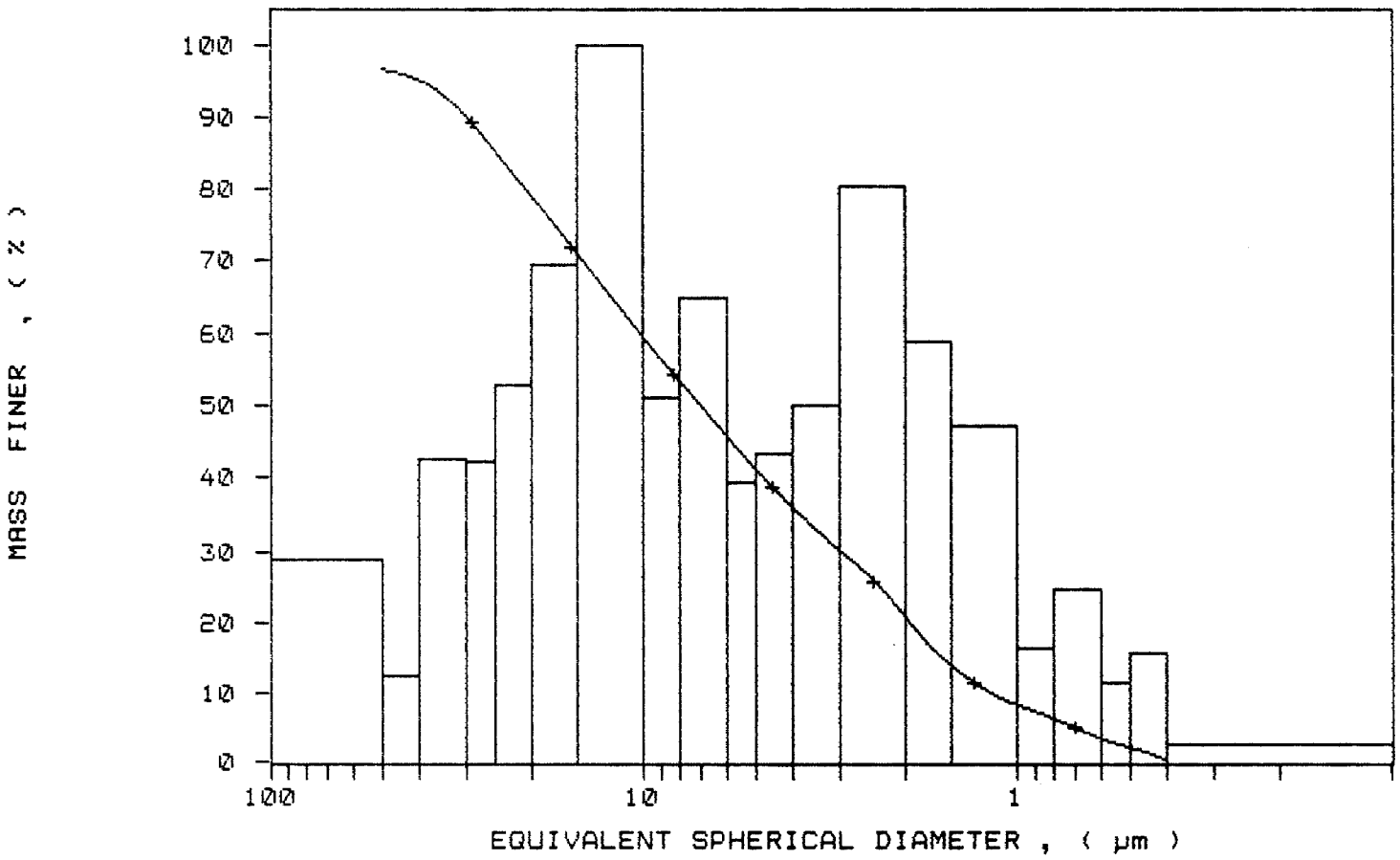
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	96.6	3.4
40.00	95.1	1.5
30.00	90.1	5.0
25.00	85.2	4.9
20.00	79.0	6.2
15.00	70.9	8.1
10.00	59.2	11.7
8.00	53.3	6.0
6.00	45.7	7.6
5.00	41.1	4.6
4.00	36.0	5.1
3.00	30.2	5.8
2.00	20.7	9.4
1.50	13.9	6.9
1.00	8.3	5.5
0.80	6.4	1.9
0.60	3.5	2.9
0.50	2.2	1.3
0.40	0.3	1.9

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD DR2
[illegible] ONTARIO
[illegible]
FAX (705) 378-5123 PHONE (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /397
SAMPLE ID: Hole 89-9 # 917
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.0 deg C
BASELINE/FULL SCALE: 128/ 100 kilocounts/sec

UNIT NUMBER: 1
START 09:00:11 03/17/92
REPRT 13:27:47 10/16/92
TOT RUN TIME 0:07:04
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7368 cp
RUN TYPE: High Speed

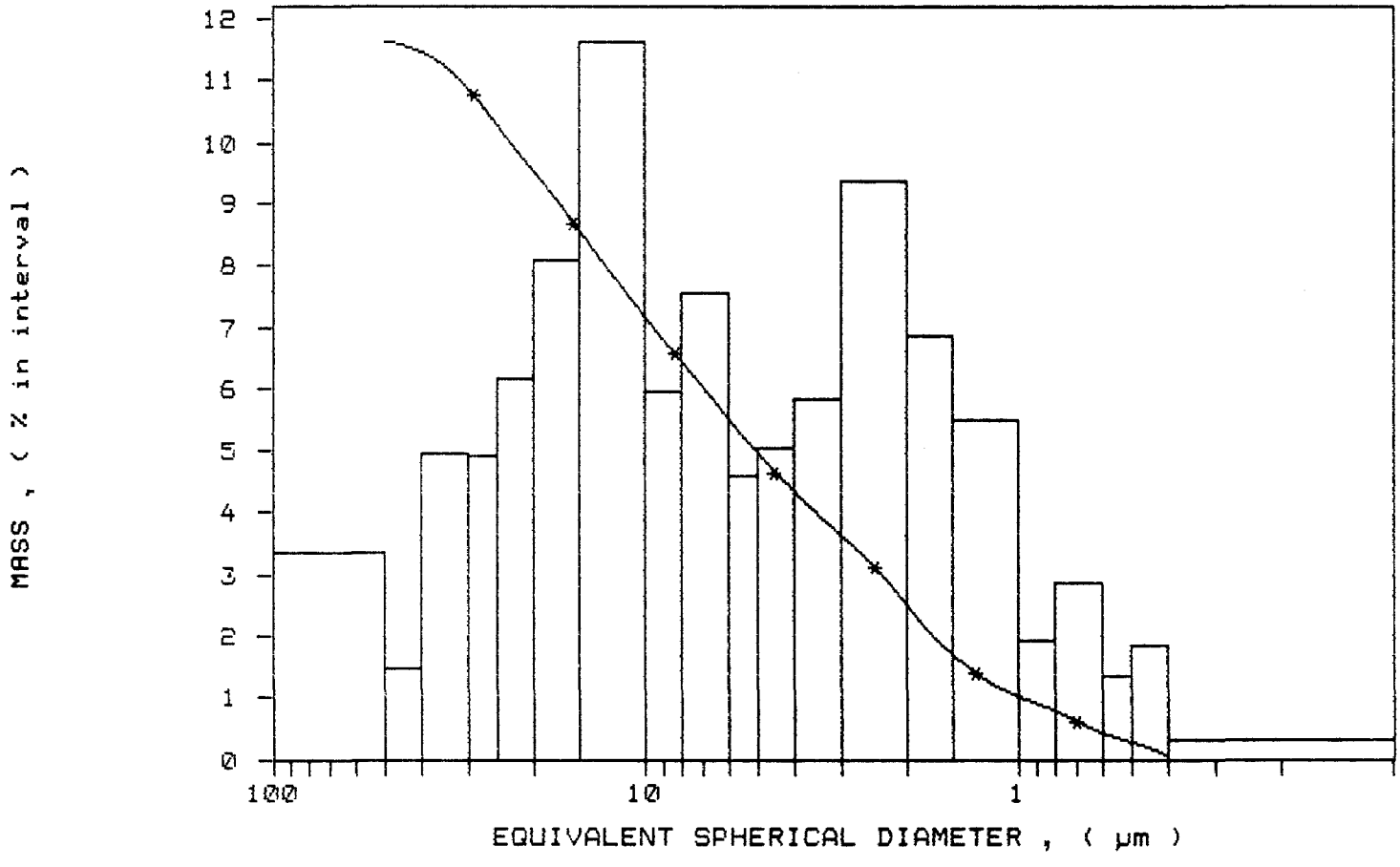
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /397
SAMPLE ID: Hole 89-9 # 917
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.0 deg C
BASELINE/FULL SCALE: 128/ 100 kilocounts/sec

UNIT NUMBER: 1
START 09:00:11 03/17/92
REPRT 13:27:47 10/16/92
TOT RUN TIME 0:07:04
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7368 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SA[redacted]E DIRECTORY/NUMBER: DATA5 /398
SAMPLE ID: Hole 89-9 # 918
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 100 kilocounts/sec

UNIT NUMBER: 1
START 09:27:46 03/17/92
REPRT 13:34:26 10/16/92
TOT RUN TIME 0:07:28
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7332 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.60 µm

MODAL DIAMETER: 5.92 µm

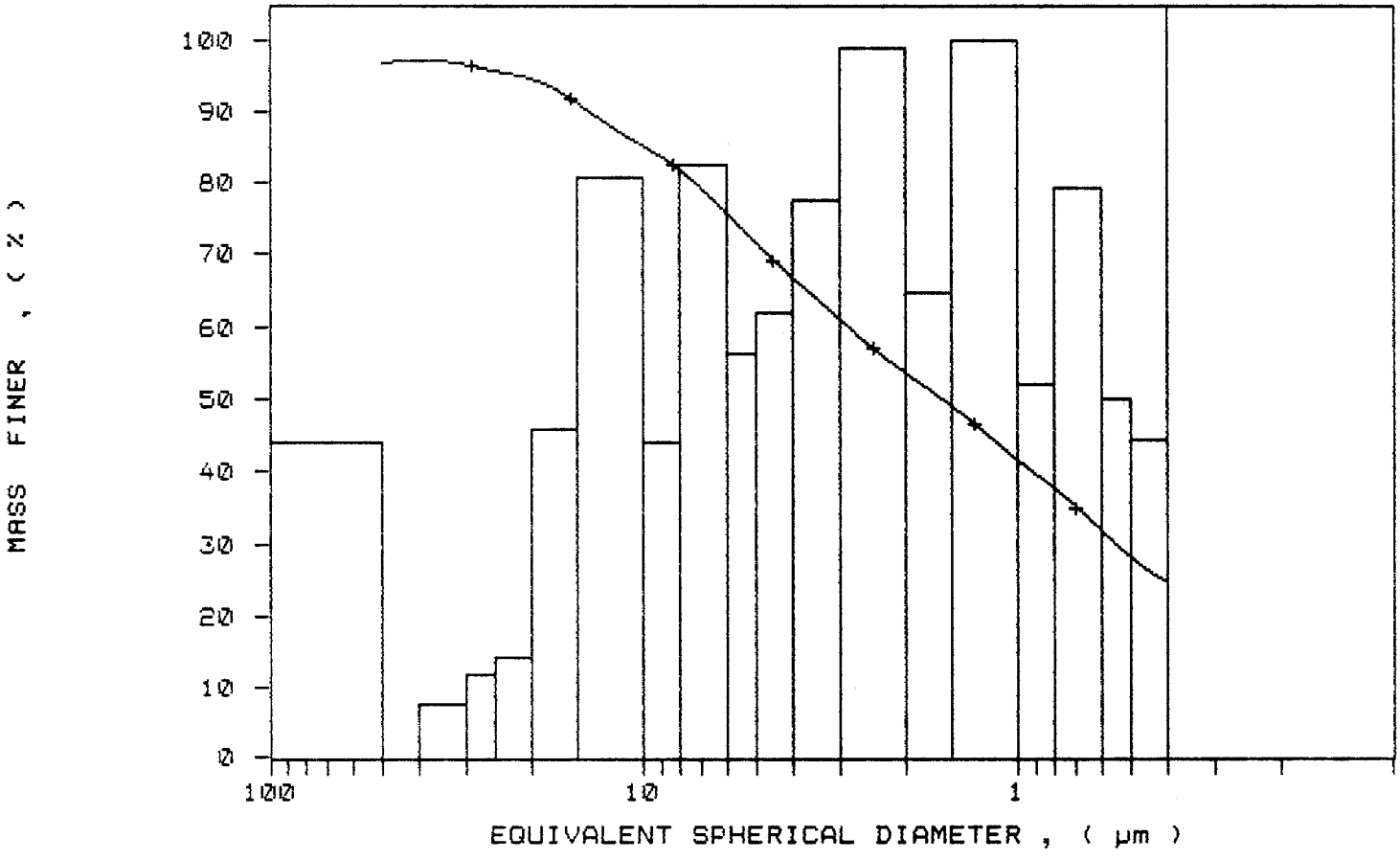
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	96.7	3.3
40.00	97.0	-0.3
30.00	96.5	0.6
25.00	95.6	0.9
20.00	94.5	1.1
15.00	91.1	3.4
10.00	85.1	6.0
8.00	81.8	3.3
6.00	75.7	6.1
5.00	71.5	4.2
4.00	66.9	4.6
3.00	61.1	5.8
2.00	53.8	7.3
1.50	48.9	4.8
1.00	41.5	7.4
0.80	37.6	3.9
0.60	31.7	5.9
0.50	28.0	3.7
0.40	24.7	3.3

MINERAL RESEARCH
CANADA
[redacted] BLVD. RR2
[redacted] ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 TEL (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /398
SAMPLE ID: Hole 89-9 # 918
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 100 kilocounts/sec

UNIT NUMBER: 1
START 09:27:46 03/17/92
REPRT 13:34:26 10/16/92
TOT RUN TIME 0:07:28
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7332 cp
RUN TYPE: High Speed

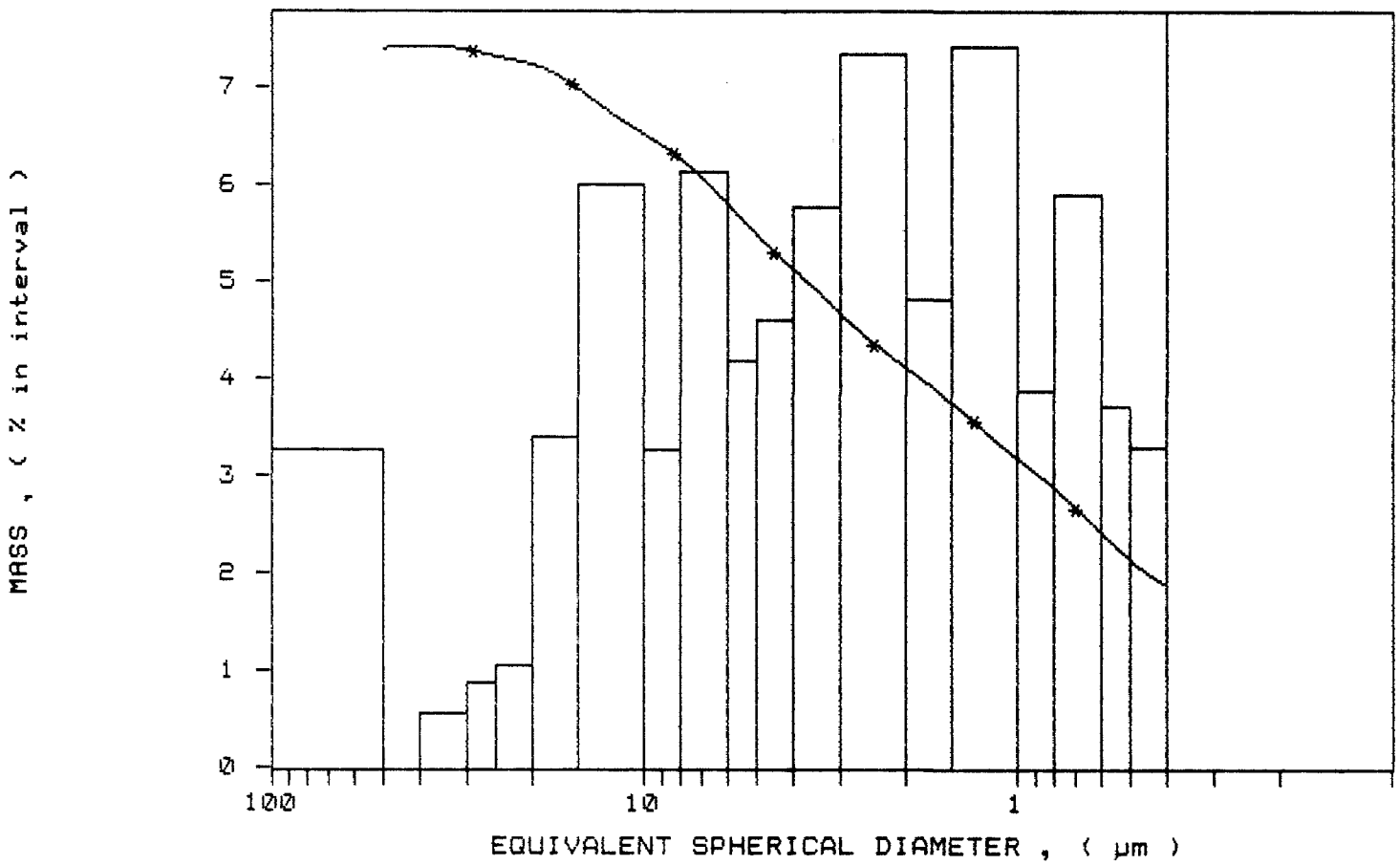
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /398
SAMPLE ID: Hole 89-9 # 918
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 100 kilocounts/sec

UNIT NUMBER: 1
START 09:27:46 03/17/92
REPRT 13:34:26 10/16/92
TOT RUN TIME 0:07:28
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7332 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 919

SediGraph 5100 V3.02 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /399
SAMPLE ID: Hole 89-9 # 919
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 94 kilocounts/sec

UNIT NUMBER: 1
START 10:20:34 03/17/92
REPRT 13:41:08 10/16/92
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7329 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 0.60 µm
MODAL DIAMETER: 0.40 µm

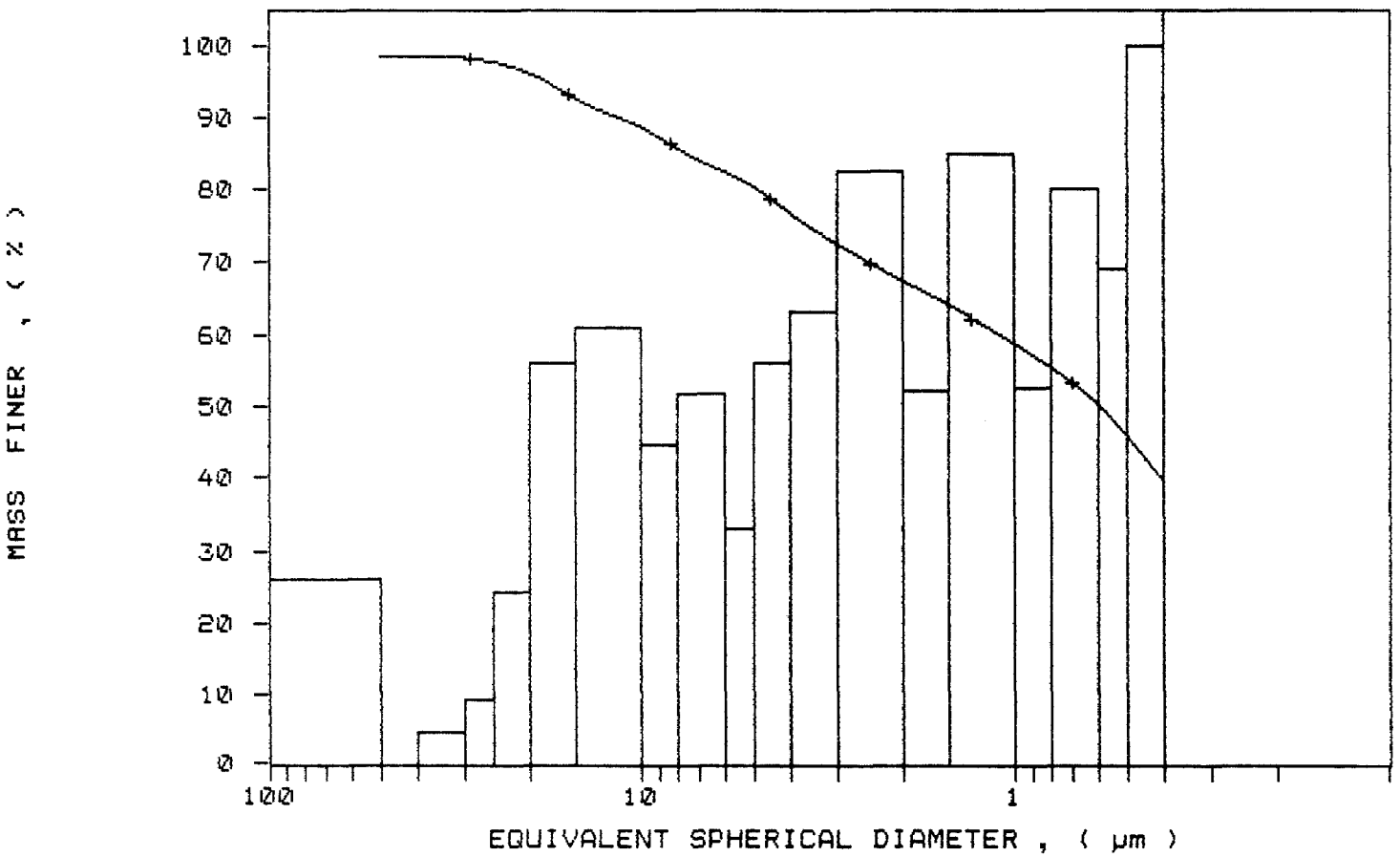
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.3	1.7
40.00	98.6	-0.3
30.00	98.3	0.3
25.00	97.7	0.6
20.00	96.1	1.6
15.00	92.5	3.6
10.00	88.6	3.9
8.00	85.8	2.9
6.00	82.4	3.3
5.00	80.3	2.1
4.00	76.7	3.6
3.00	72.7	4.0
2.00	67.4	5.3
1.50	64.1	3.4
1.00	58.6	5.4
0.80	55.3	3.4
0.60	50.1	5.1
0.50	45.7	4.4
0.40	39.3	6.4

MINERAL RESEARCH
CANADA
TEL: (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /399
SAMPLE ID: Hole 89-9 # 919
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 94 kilocounts/sec

UNIT NUMBER: 1
START 10:20:34 03/17/92
REPRT 13:41:08 10/16/92
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7329 cp
RUN TYPE: High Speed

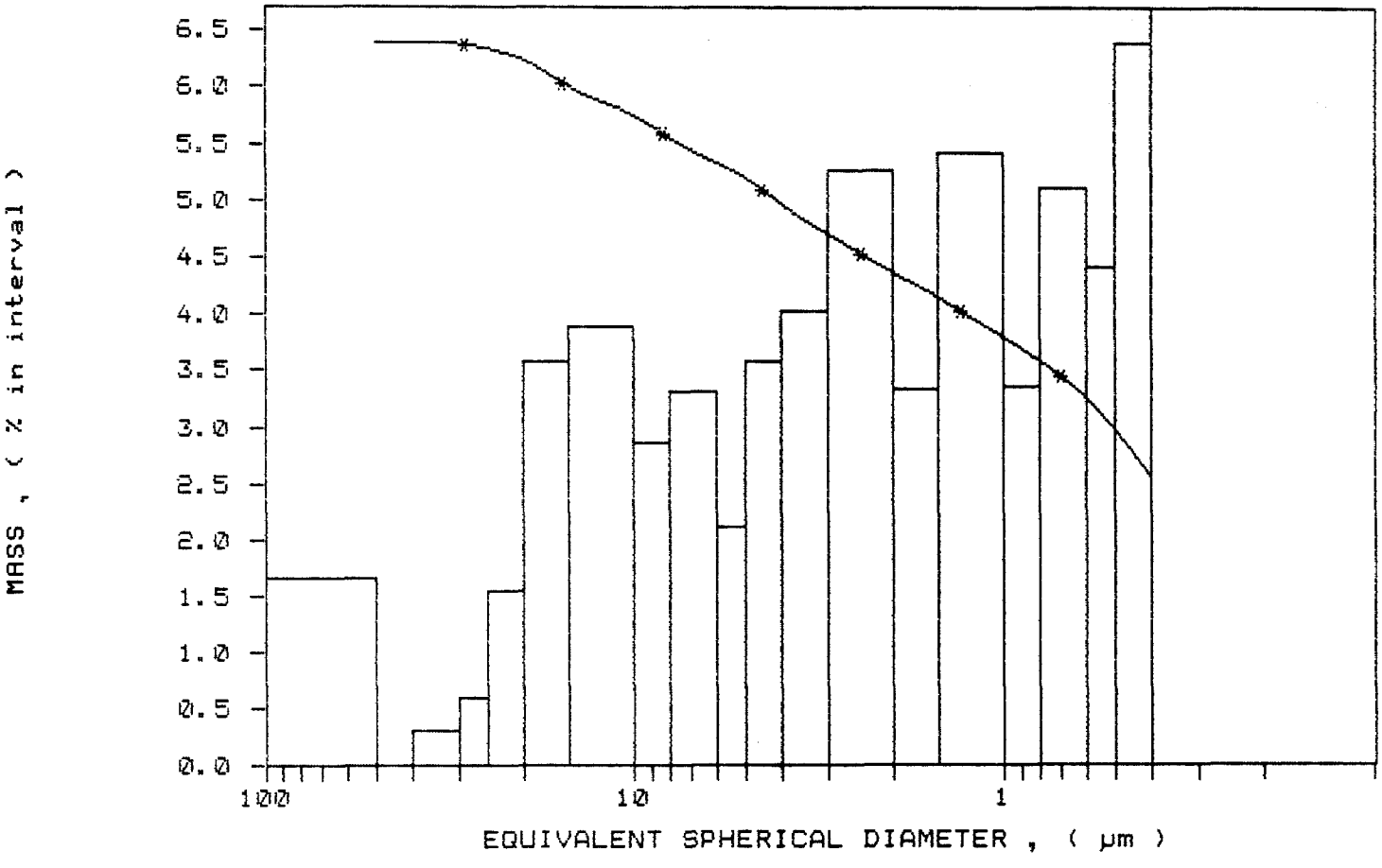
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /399
SAMPLE ID: Hole 89-9 # 919
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 94 kilocounts/sec

UNIT NUMBER: 1
START 10:20:34 03/17/92
REPRT 13:41:08 10/16/92
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7329 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SediGraph 5100 V3.02

Hole 89-9 # 920

SAMPLE DIRECTORY/NUMBER: DATA5 /400
SAMPLE ID: Hole 89-9 # 920
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 94 kilocounts/sec

UNIT NUMBER: 1
START 10:57:11 03/17/92
REPRT 13:47:48 10/16/92
TOT RUN TIME 0:07:13
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 8.80 µm

MODAL DIAMETER: 17.85 µm

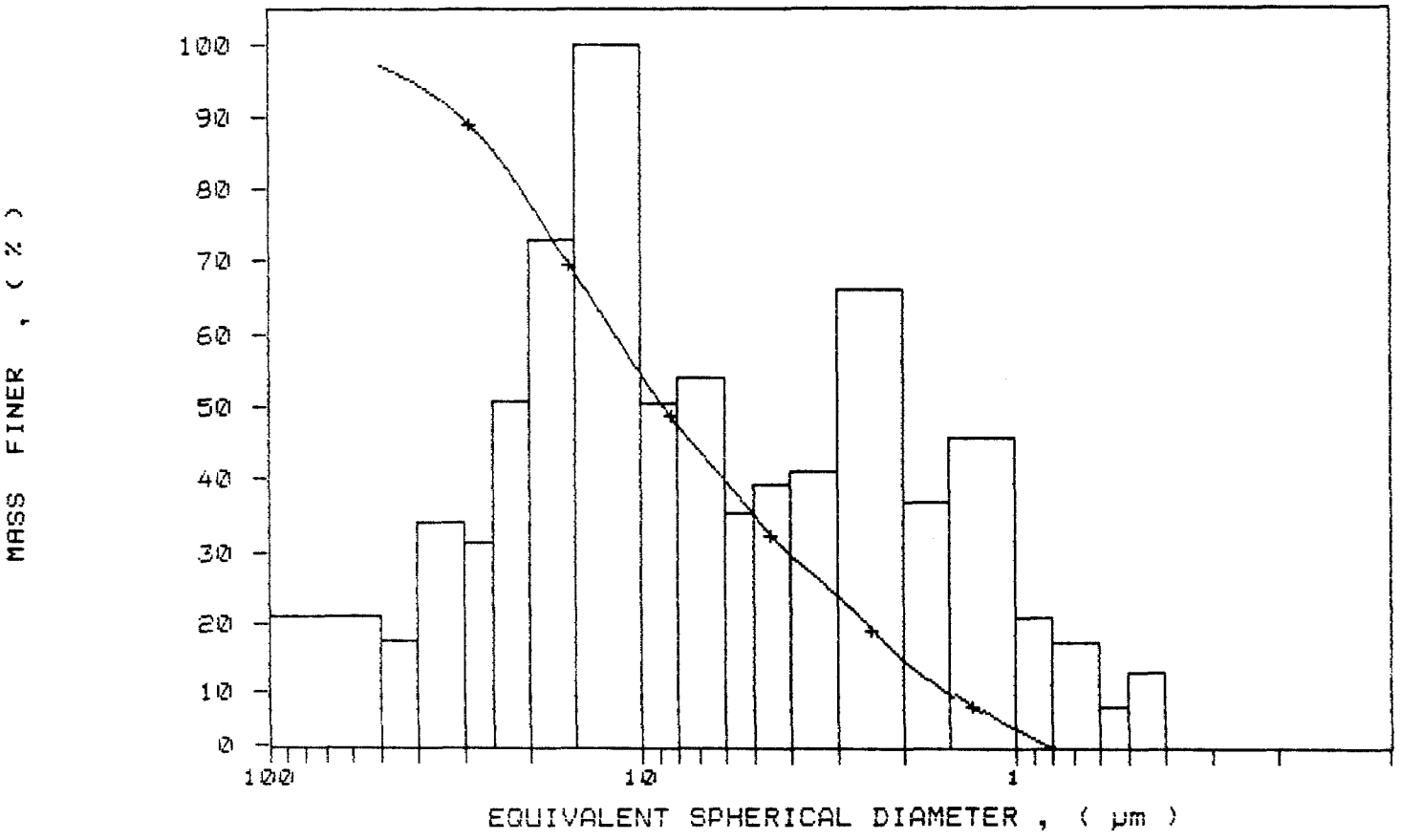
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.0	3.0
40.00	94.6	2.5
30.00	89.8	4.8
25.00	85.4	4.4
20.00	78.3	7.1
15.00	68.1	10.2
10.00	54.2	13.9
8.00	47.2	7.0
6.00	39.7	7.5
5.00	34.8	4.9
4.00	29.3	5.5
3.00	23.6	5.7
2.00	14.4	9.2
1.50	9.3	5.1
1.00	2.9	6.4
0.80	0.0	2.9
0.60	-2.3	2.4
0.50	-3.3	1.0
0.40	-5.1	1.8

MRC RESEARCH
CANADA
1 INDUSTRIAL BLVD, RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) [illegible] (705) 378 2415
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /400
SAMPLE ID: Hole 89-9 # 920
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 94 kilocounts/sec

UNIT NUMBER: 1
START 10:57:11 03/17/92
REPRT 13:47:48 10/16/92
TOT RUN TIME 0:07:13
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

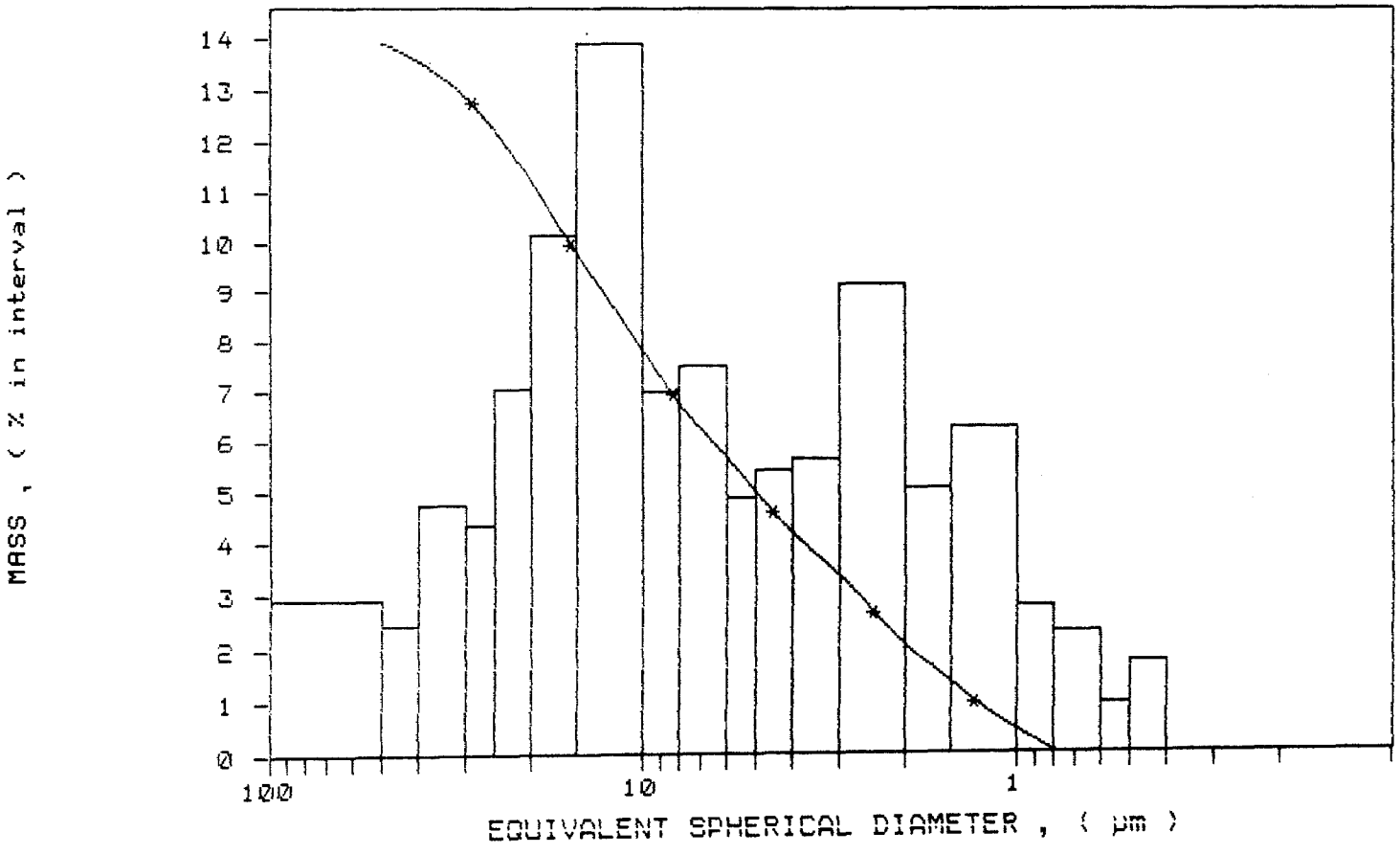
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /400
SAMPLE ID: Hole 89-9 # 920
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 94 kilocounts/sec

UNIT NUMBER: 1
START 10:57:11 03/17/92
REPRT 13:47:48 10/16/92
TOT RUN TIME 0:07:13
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 921

SediGraph 5100 V3.02 PAGE 1

SAMP[redacted] DIRECTORY/NUMBER: DATA6 /83
SAMPLE ID: Hole 89-9 # 921
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.2 deg C
BASELINE/FULL SCALE: 128/ 94 kilocounts/sec

UNIT NUMBER: 1
START 11:03:05 03/23/92
REPRT 11:17:06 03/23/92
TOT RUN TIME 0:07:06
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7335 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.47 µm MODAL DIAMETER: 0.40 µm

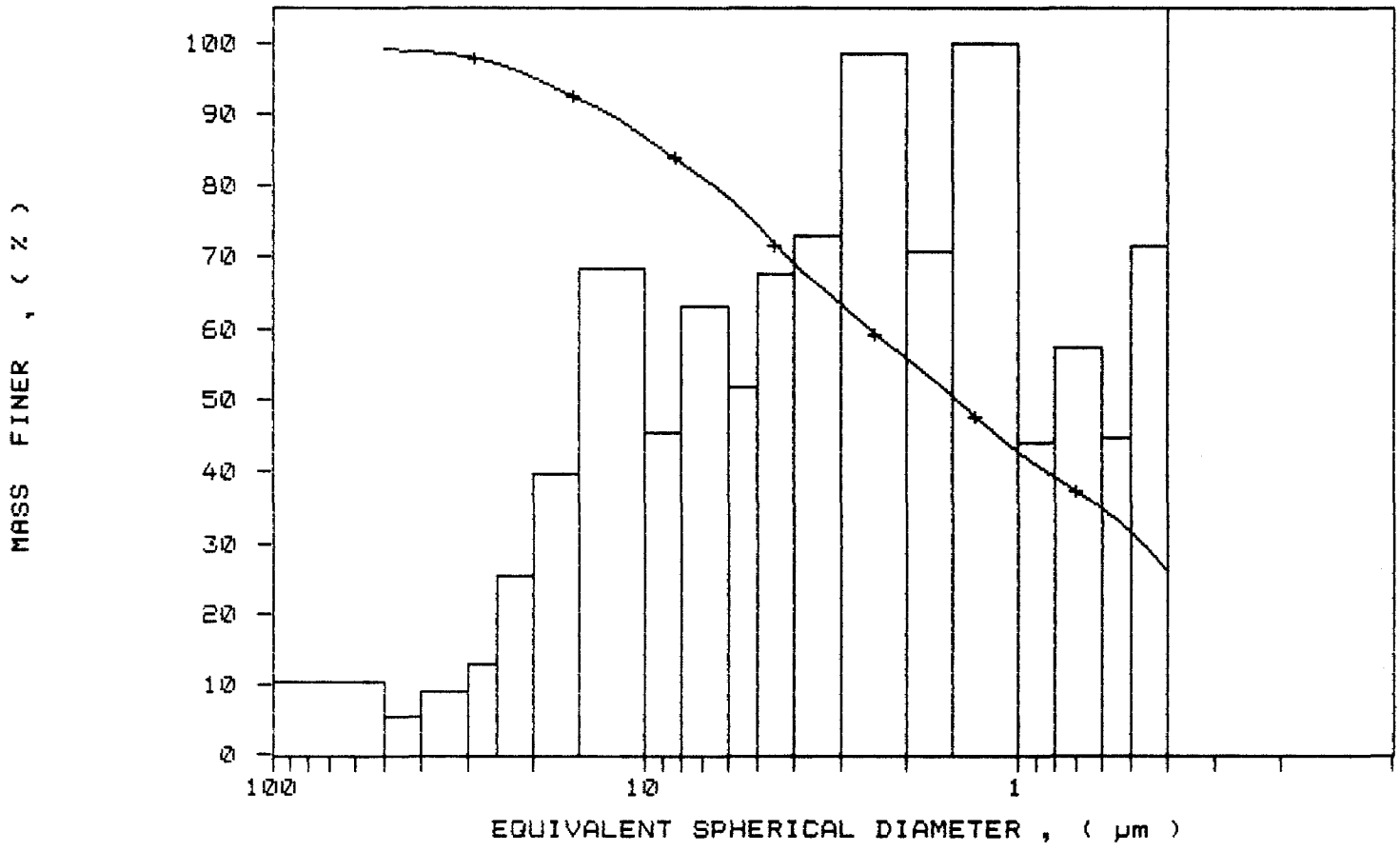
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.2	0.8
40.00	98.7	0.4
30.00	98.0	0.7
25.00	97.0	1.0
20.00	95.1	2.0
15.00	92.0	3.1
10.00	86.7	5.3
8.00	83.2	3.5
6.00	78.3	4.9
5.00	74.3	4.0
4.00	69.1	5.2
3.00	63.4	5.6
2.00	55.8	7.6
1.50	50.4	5.5
1.00	42.7	7.7
0.80	39.3	3.4
0.60	34.8	4.4
0.50	31.4	3.5
0.40	25.8	5.5

MINERAL RESEARCH
CANADA
1 INDUSTRIAL [illegible] RR2
[illegible] ONTARIO
CANADA [illegible]
FAX (705) 378-5123 BUS (705) 378-2416
DATE [illegible]

SAMPLE DIRECTORY/NUMBER: DATA6 /83
SAMPLE ID: Hole 89-9 # 921
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.2 deg C
BASELINE/FULL SCALE: 128/ 94 kilocounts/sec

UNIT NUMBER: 1
START 11:03:05 03/23/92
REPRT 11:17:06 03/23/92
TOT RUN TIME 0:07:06
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7335 cp
RUN TYPE: High Speed

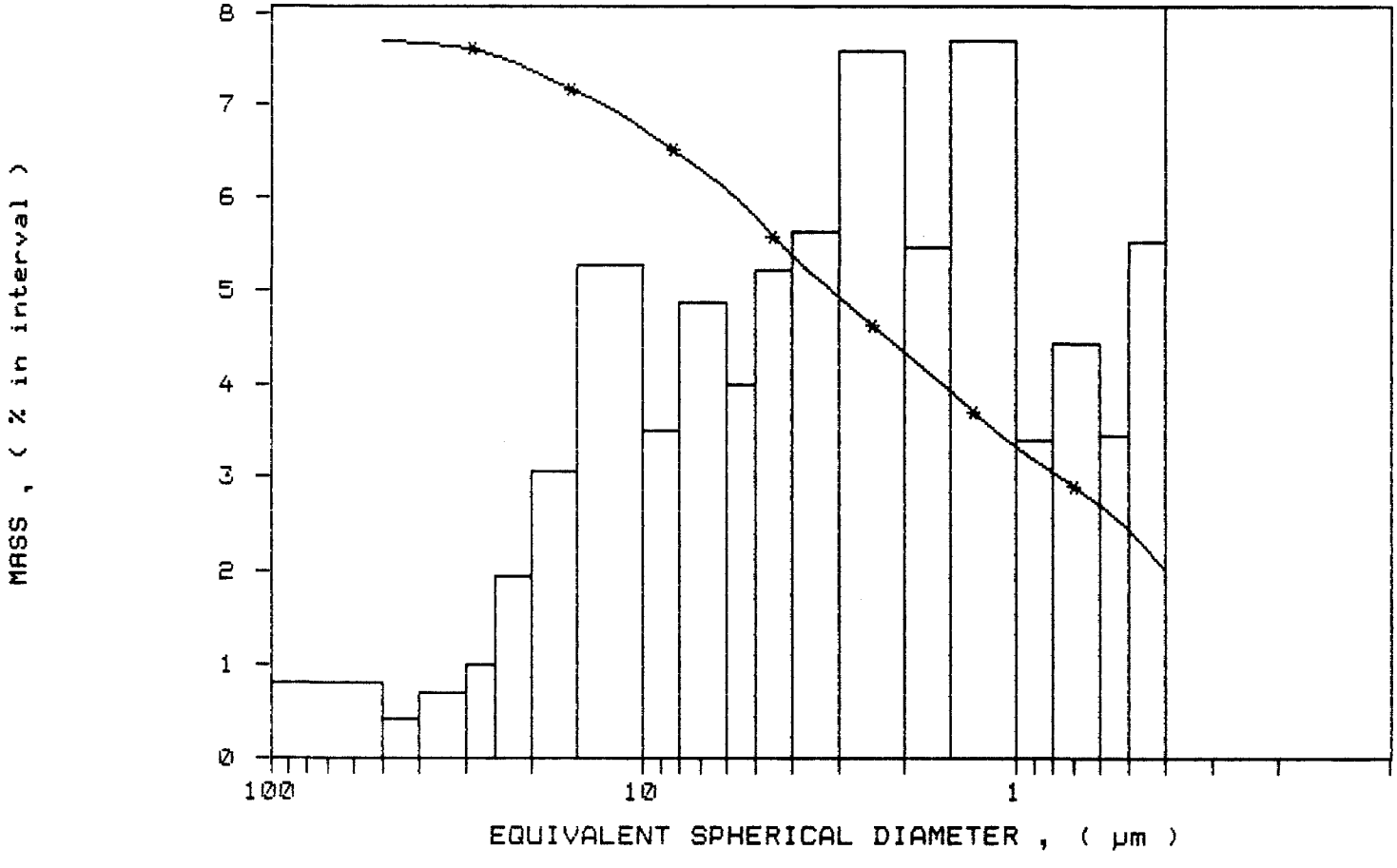
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA6 /83
SAMPLE ID: Hole 89-9 # 921
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.2 deg C
BASELINE/FULL SCALE: 128/ 94 kilocounts/sec

UNIT NUMBER: 1
START 11:03:05 03/23/92
REPRT 11:17:06 03/23/92
TOT RUN TIME 0:07:06
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7335 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



C>

Hole 89-9 # 922

SediGraph 5100 V3.02 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA7 /1
SAMPLE ID: Hole 89-9 # 922
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.0 deg C
BASELINE/FULL SCALE: 128/ 112 kilocounts/sec

UNIT NUMBER: 1
START 11:24:31 03/23/92
REPRT 11:31:55 03/23/92
TOT RUN TIME 0:07:08
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7369 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MINERAL RESEARCH
CANADA
BLVD. FR2
ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 (705) 378-2416
DATE

MASS DISTRIBUTION

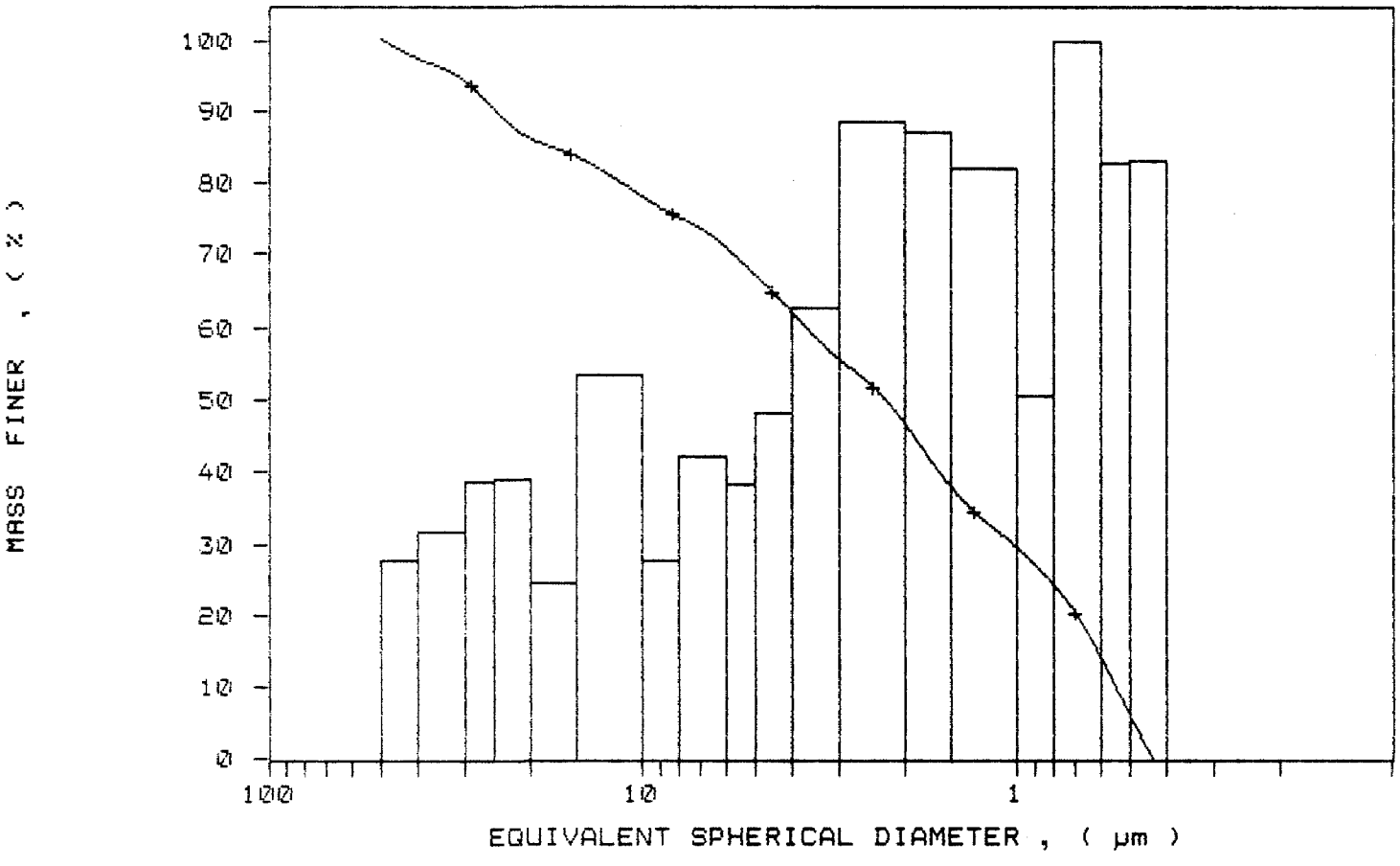
MEDIAN DIAMETER: 2.24 µm
MODAL DIAMETER: 0.55 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.2	-0.2
40.00	97.3	2.8
30.00	94.1	3.2
25.00	90.2	3.9
20.00	86.2	4.0
15.00	83.6	2.5
10.00	78.2	5.5
8.00	75.3	2.8
6.00	71.0	4.3
5.00	67.1	3.9
4.00	62.2	4.9
3.00	55.8	6.4
2.00	46.7	9.0
1.50	37.9	8.9
1.00	29.5	8.4
0.80	24.3	5.2
0.60	14.1	10.2
0.50	5.7	8.5
0.40	-2.8	8.5

SAMPLE DIRECTORY/NUMBER: DATA7 /1
SAMPLE ID: Hole 89-9 # 922
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.0 deg C
BASELINE/FULL SCALE: 128/ 112 kilocounts/sec

UNIT NUMBER: 1
START 11:24:31 03/23/92
REPRT 11:31:55 03/23/92
TOT RUN TIME 0:07:08
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7369 cp
RUN TYPE: High Speed

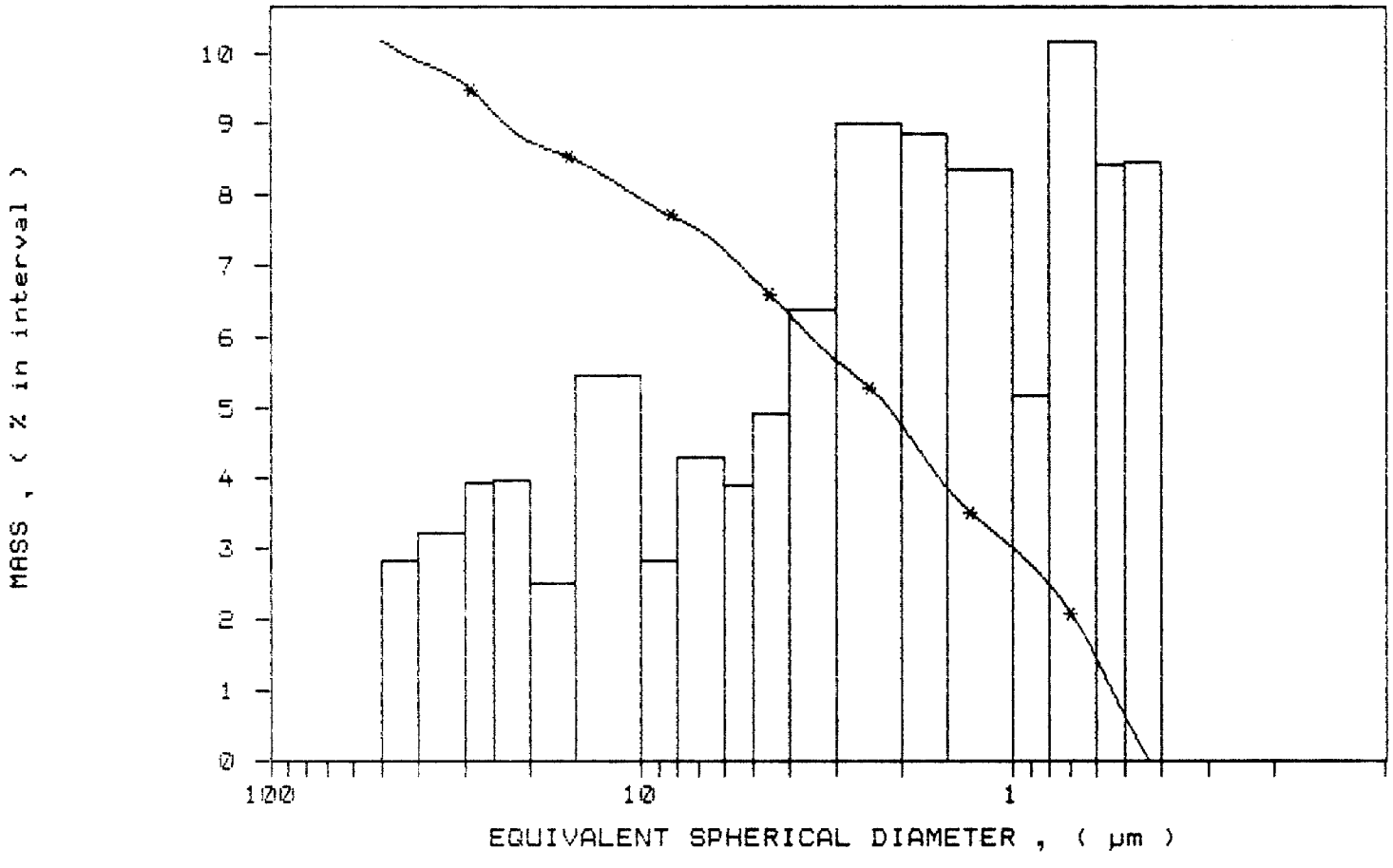
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /1
SAMPLE ID: Hole 89-9 # 922
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.0 deg C
BASELINE/FULL SCALE: 128/ 112 kilocounts/sec

UNIT NUMBER: 1
START 11:24:31 03/23/92
REPRT 11:31:55 03/23/92
TOT RUN TIME 0:07:08
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7369 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /2
SAMPLE ID: Hole 89-9 # 923
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 11:43:06 03/23/92
REPRT 11:54:10 03/23/92
TOT RUN TIME 0:07:24
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7333 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.25 µm

MODAL DIAMETER: 1.92 µm

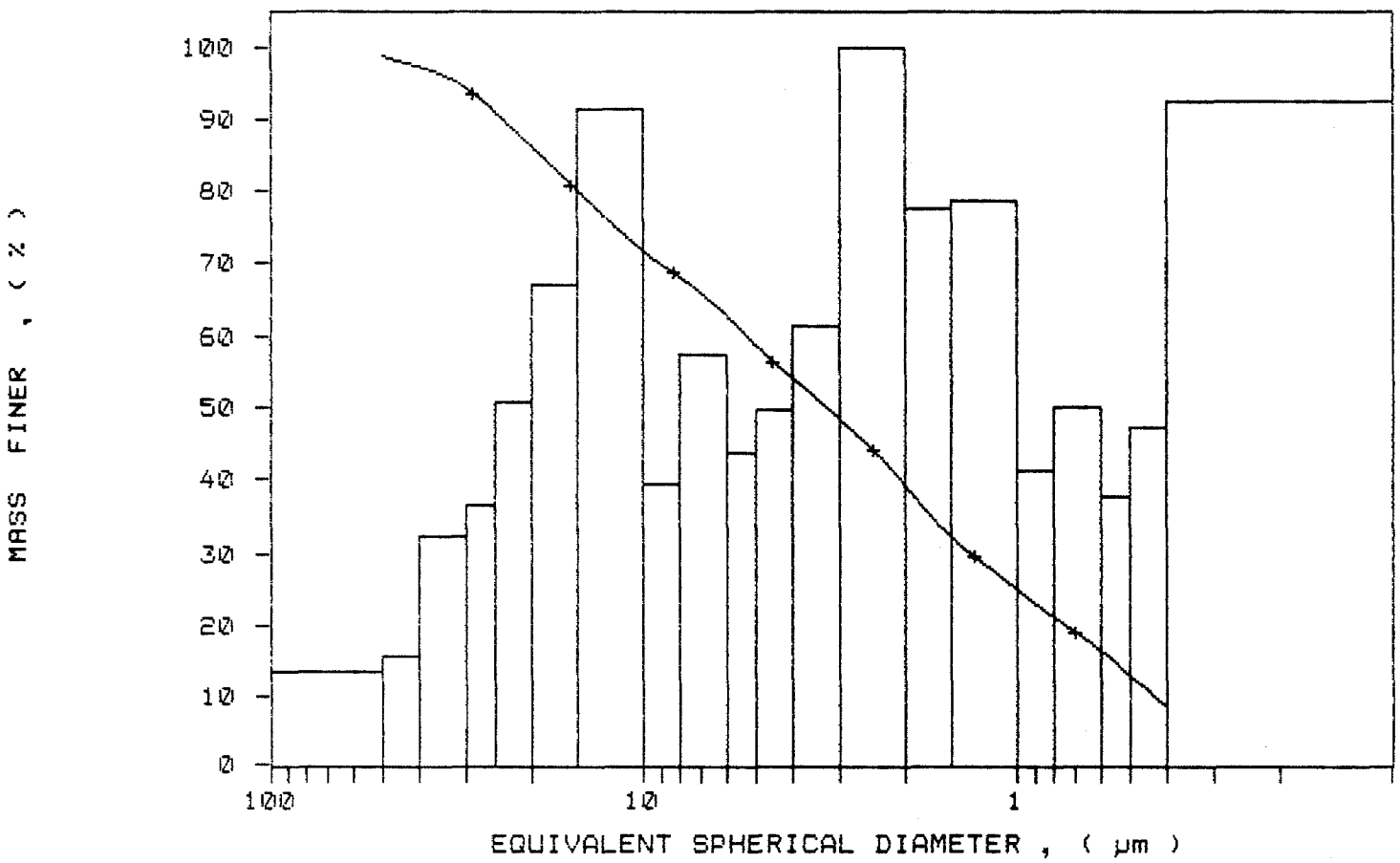
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.7	1.3
40.00	97.3	1.5
30.00	94.3	3.0
25.00	90.9	3.4
20.00	86.2	4.7
15.00	80.1	6.2
10.00	71.7	8.4
8.00	68.0	3.6
6.00	62.7	5.3
5.00	58.7	4.0
4.00	54.1	4.6
3.00	48.4	5.7
2.00	39.2	9.2
1.50	32.1	7.2
1.00	24.8	7.3
0.80	21.0	3.8
0.60	16.4	4.6
0.50	12.9	3.5
0.40	8.5	4.4

MINERAL RESEARCH
CANADA
INDUSTRIAL BLVD. RR2
ONTARIO
FAX (705) 378-3123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /2
SAMPLE ID: Hole 89-9 # 923
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 11:43:06 03/23/92
REPRT 11:54:10 03/23/92
TOT RUN TIME 0:07:24
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7333 cp
RUN TYPE: High Speed

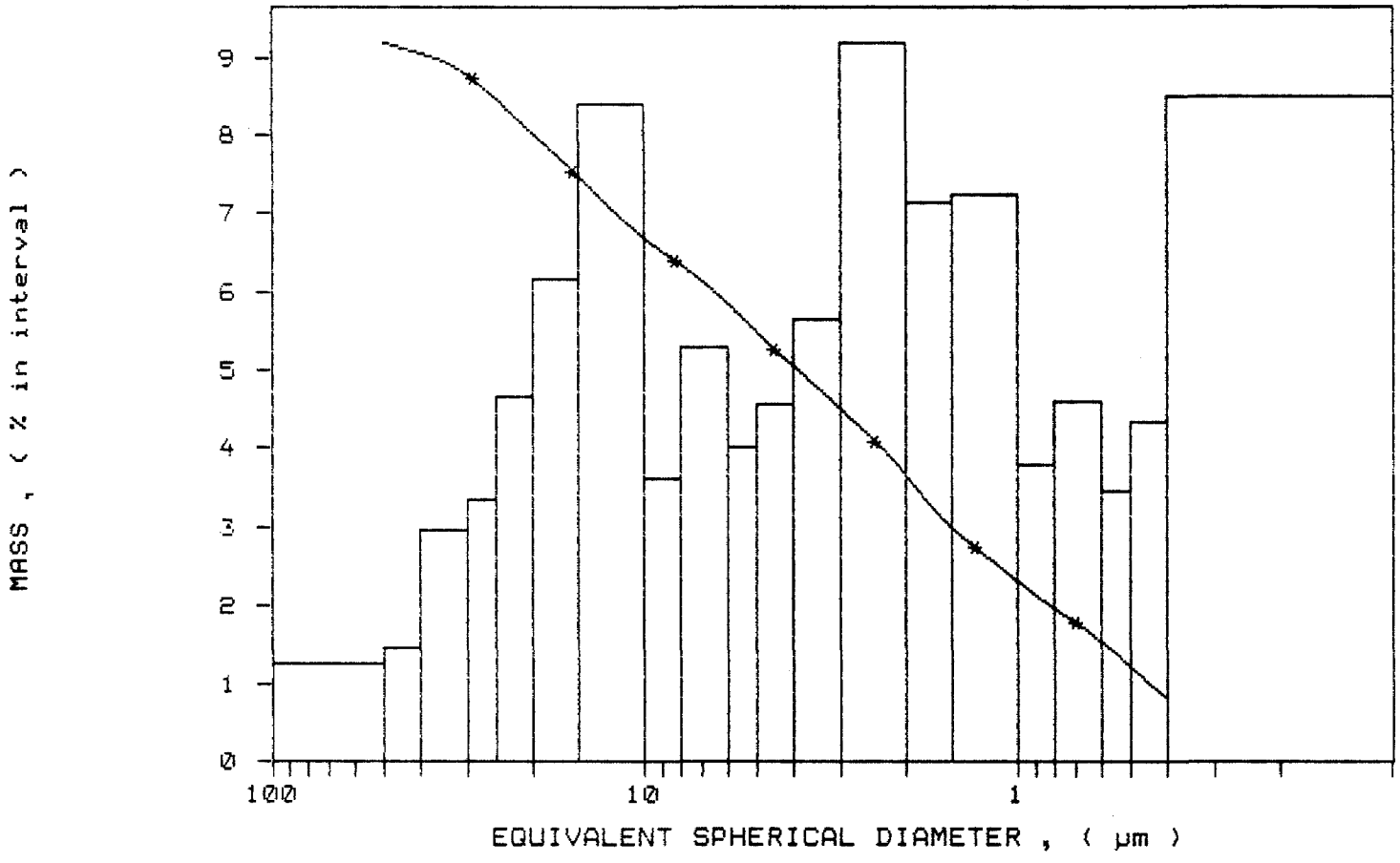
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /2
SAMPLE ID: Hole 89-9 # 923
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 11:43:06 03/23/92
REPRT 11:54:10 03/23/92
TOT RUN TIME 0:07:24
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7333 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 924

SediGraph 5100 V3.02

SAMPLE DIRECTORY/NUMBER: DATA7 /3
SAMPLE ID: Hole 89-9 # 924
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 97 kilocounts/sec

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

UNIT NUMBER: 1
START 12:01:30 03/23/92
REPRT 12:12:43 03/23/92
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7329 cp
RUN TYPE: High Speed

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.22 µm
MODAL DIAMETER: 1.89 µm

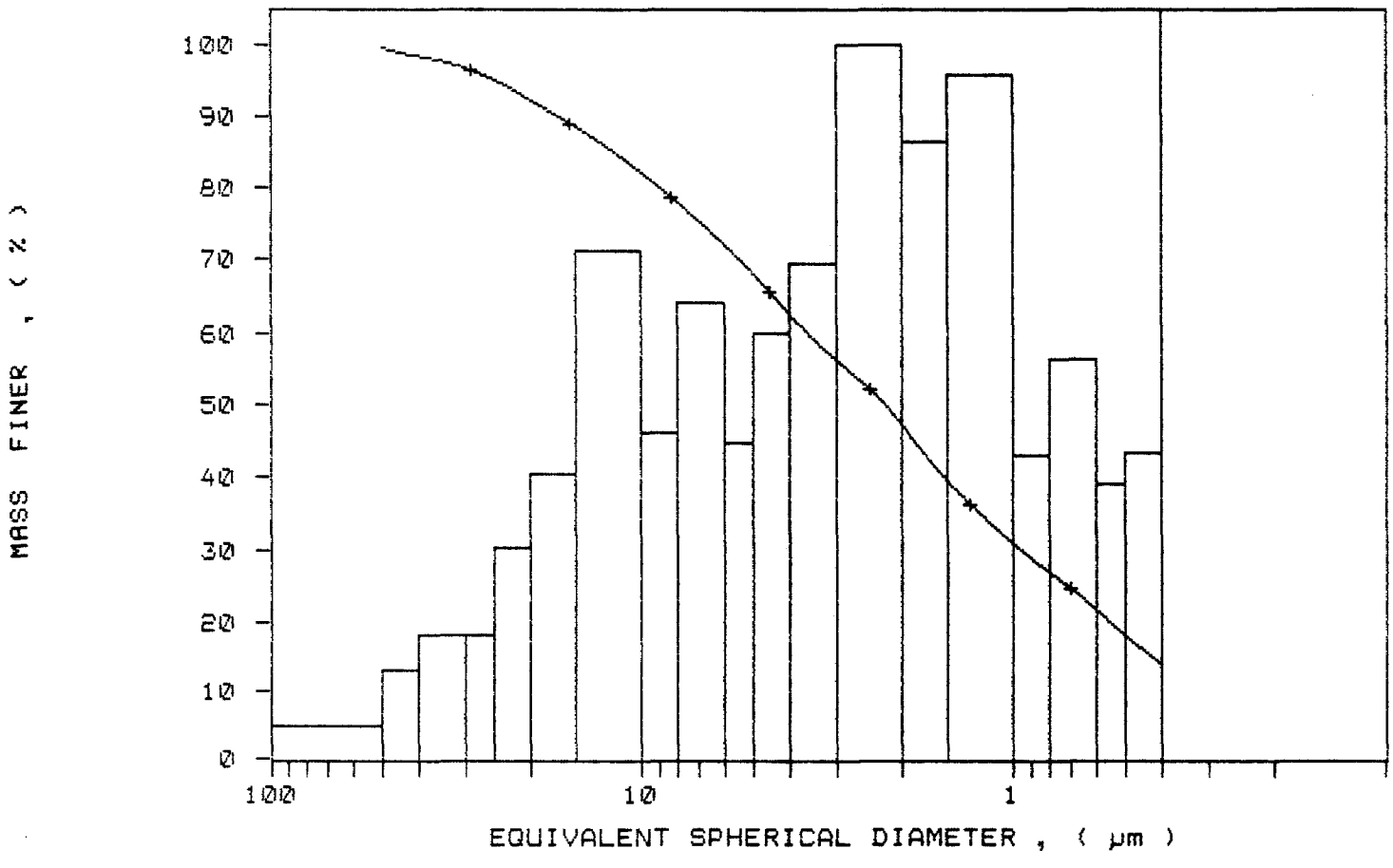
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.5	0.5
40.00	98.3	1.2
30.00	96.6	1.7
25.00	95.0	1.7
20.00	92.2	2.8
15.00	88.5	3.7
10.00	82.1	6.5
8.00	77.9	4.2
6.00	72.0	5.8
5.00	68.0	4.1
4.00	62.5	5.5
3.00	56.2	6.3
2.00	47.1	9.1
1.50	39.3	7.8
1.00	30.6	8.7
0.80	26.7	3.9
0.60	21.6	5.1
0.50	18.0	3.6
0.40	14.1	3.9

RESEARCH
BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /3
SAMPLE ID: Hole 89-9 # 924
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 97 kilocounts/sec

UNIT NUMBER: 1
START 12:01:30 03/23/92
REPRT 12:12:43 03/23/92
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7329 cp
RUN TYPE: High Speed

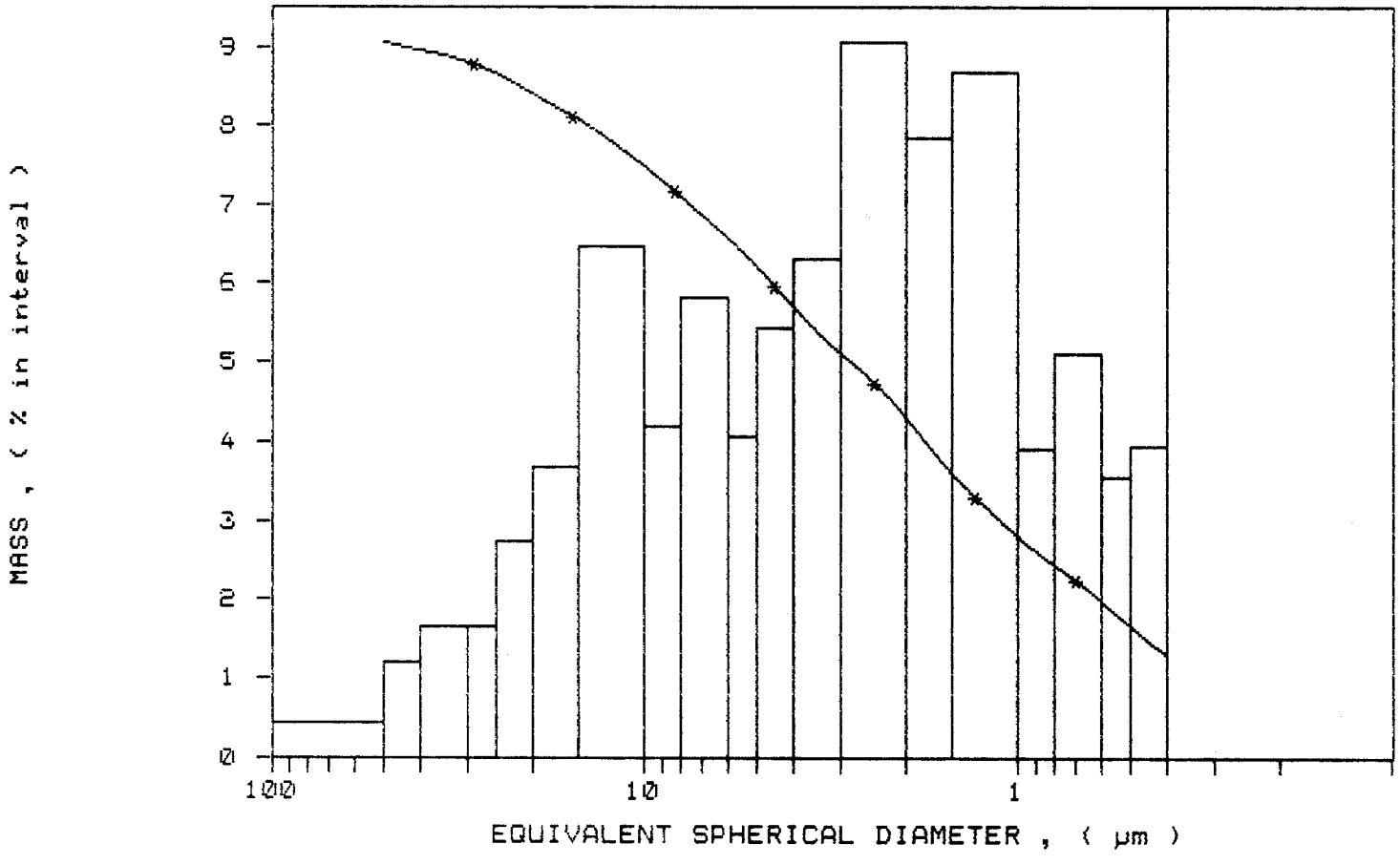
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /3
SAMPLE ID: Hole 89-9 # 924
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 97 kilocounts/sec

UNIT NUMBER: 1
START 12:01:30 03/23/92
REPRT 12:12:43 03/23/92
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7329 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 925

SediGraph 5100 V3.02

SAMPLE DIRECTORY/NUMBER: DATA7 /4
SAMPLE ID: Hole 89-9 # 925
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 101 kilocounts/sec

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

UNIT NUMBER: 1
START 12:39:10 03/23/92
REPRT 12:50:27 03/23/92
TOT RUN TIME 0:07:36
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 4.22 µm

MODAL DIAMETER: 5.55 µm

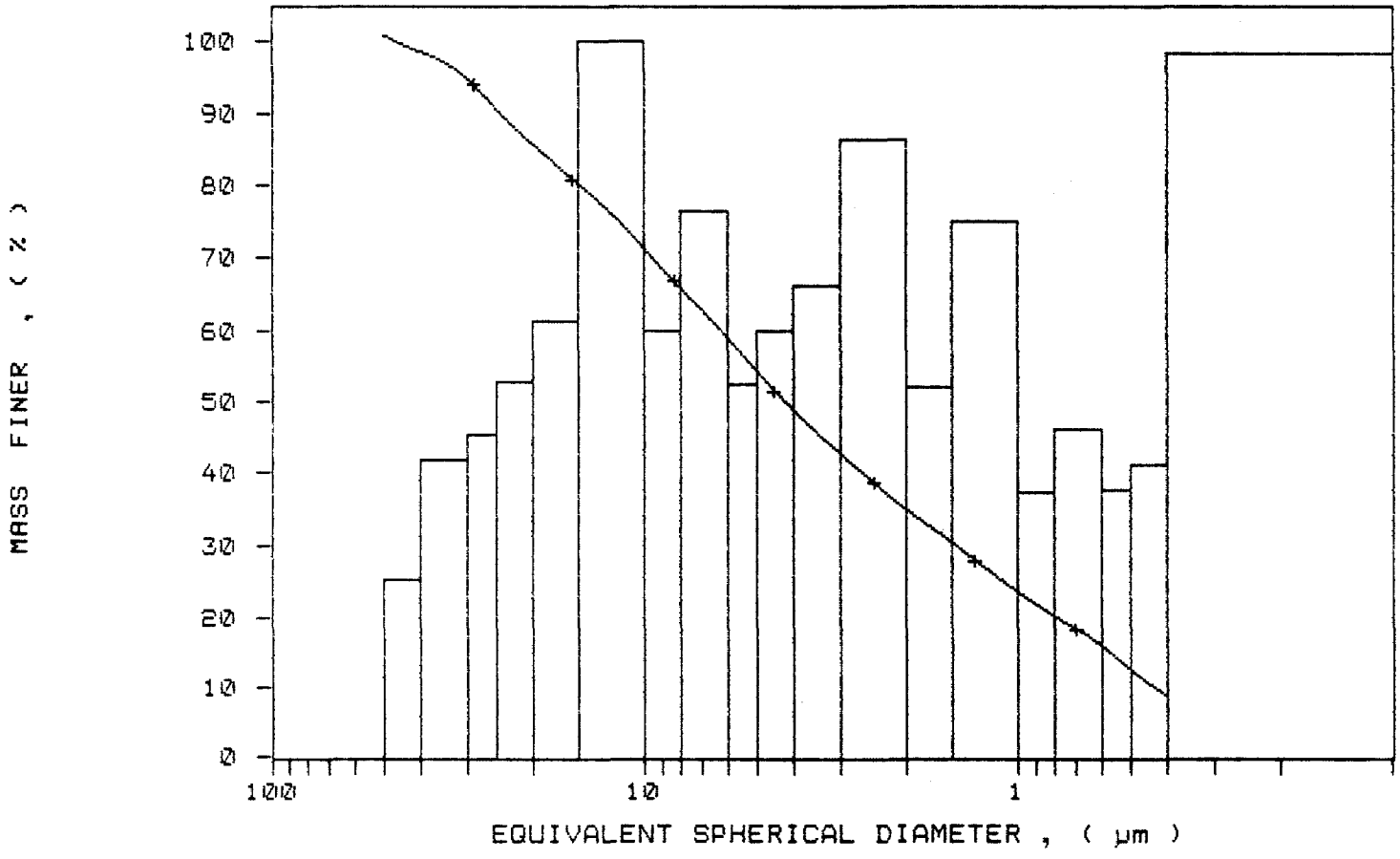
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.7	-0.7
40.00	98.4	2.3
30.00	94.6	3.8
25.00	90.5	4.1
20.00	85.8	4.8
15.00	80.2	5.5
10.00	71.2	9.0
8.00	65.8	5.4
6.00	58.9	6.9
5.00	54.2	4.7
4.00	48.8	5.4
3.00	42.8	6.0
2.00	35.0	7.8
1.50	30.2	4.7
1.00	23.5	6.8
0.80	20.1	3.4
0.60	15.9	4.2
0.50	12.5	3.4
0.40	8.8	3.7

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /4
SAMPLE ID: Hole 89-9 # 925
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 101 kilocounts/sec

UNIT NUMBER: 1
START 12:39:10 03/23/92
REPRT 12:50:27 03/23/92
TOT RUN TIME 0:07:36
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

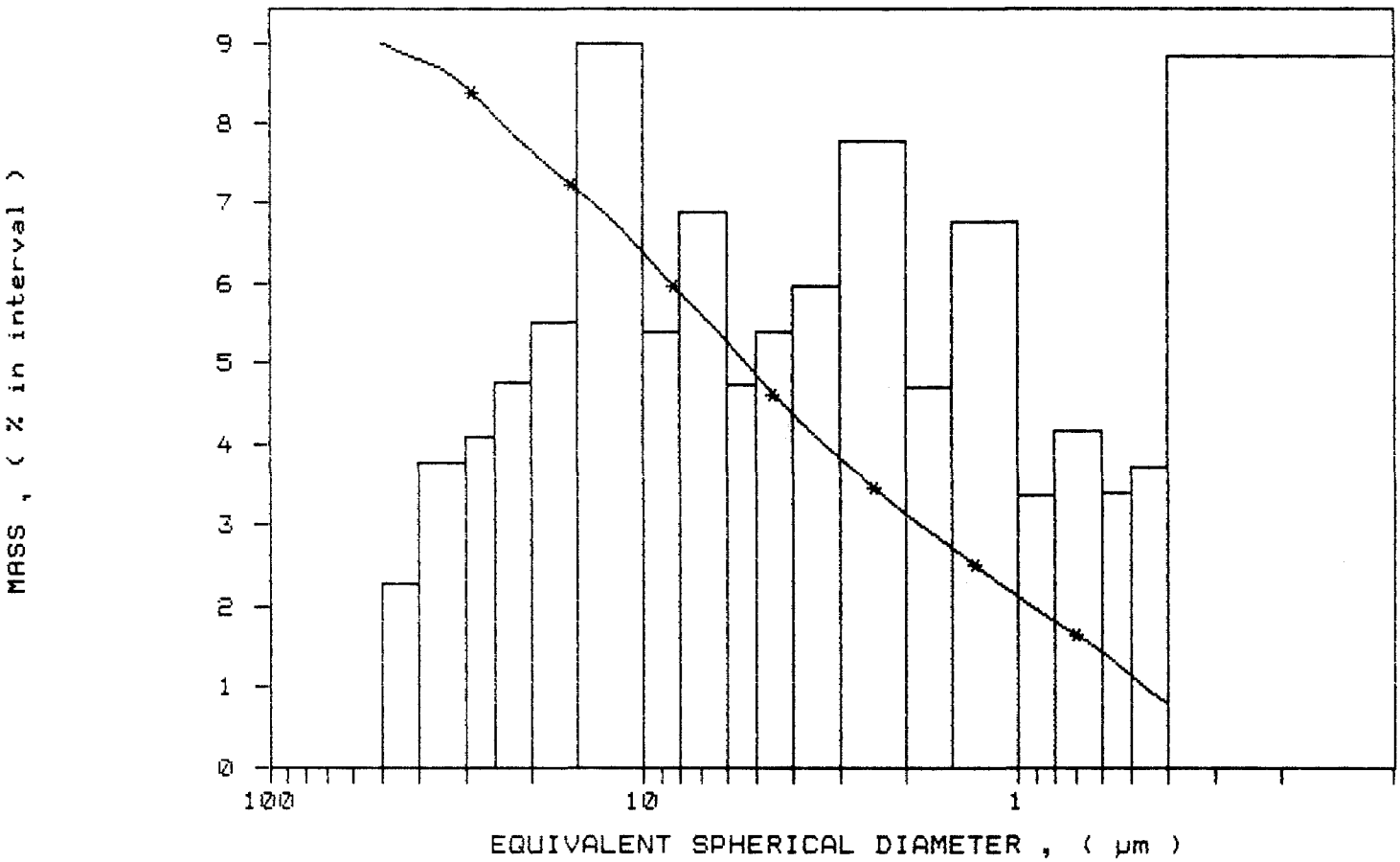
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /4
SAMPLE ID: Hole 89-9 # 925
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 101 kilocounts/sec

UNIT NUMBER: 1
START 12:39:10 03/23/92
REFRT 12:50:27 03/23/92
TOT RUN TIME 0:07:36
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /5
SAMPLE ID: Hole 89-9 # 926
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 13:13:14 03/23/92
REPRT 13:24:32 03/23/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7327 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.41 µm

MODAL DIAMETER: 0.40 µm

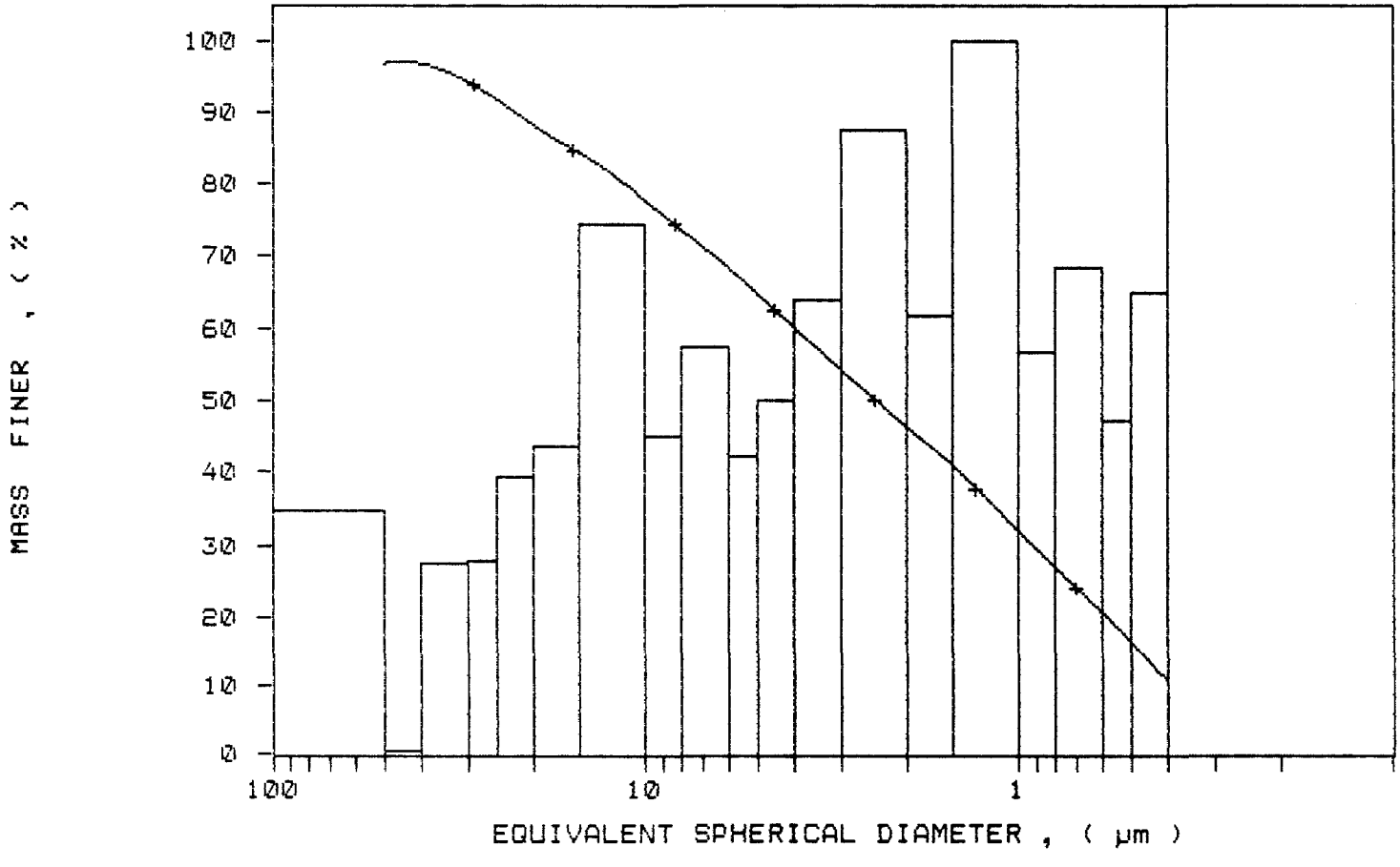
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	96.8	3.2
40.00	96.8	0.0
30.00	94.3	2.5
25.00	91.8	2.5
20.00	88.2	3.6
15.00	84.3	3.9
10.00	77.6	6.7
8.00	73.5	4.1
6.00	68.4	5.2
5.00	64.5	3.8
4.00	60.0	4.5
3.00	54.3	5.8
2.00	46.4	7.9
1.50	40.8	5.6
1.00	31.8	9.0
0.80	26.7	5.1
0.60	20.6	6.2
0.50	16.3	4.3
0.40	10.5	5.8

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /5
SAMPLE ID: Hole 89-9 # 926
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 13:13:14 03/23/92
REPRT 13:24:32 03/23/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7327 cp
RUN TYPE: High Speed

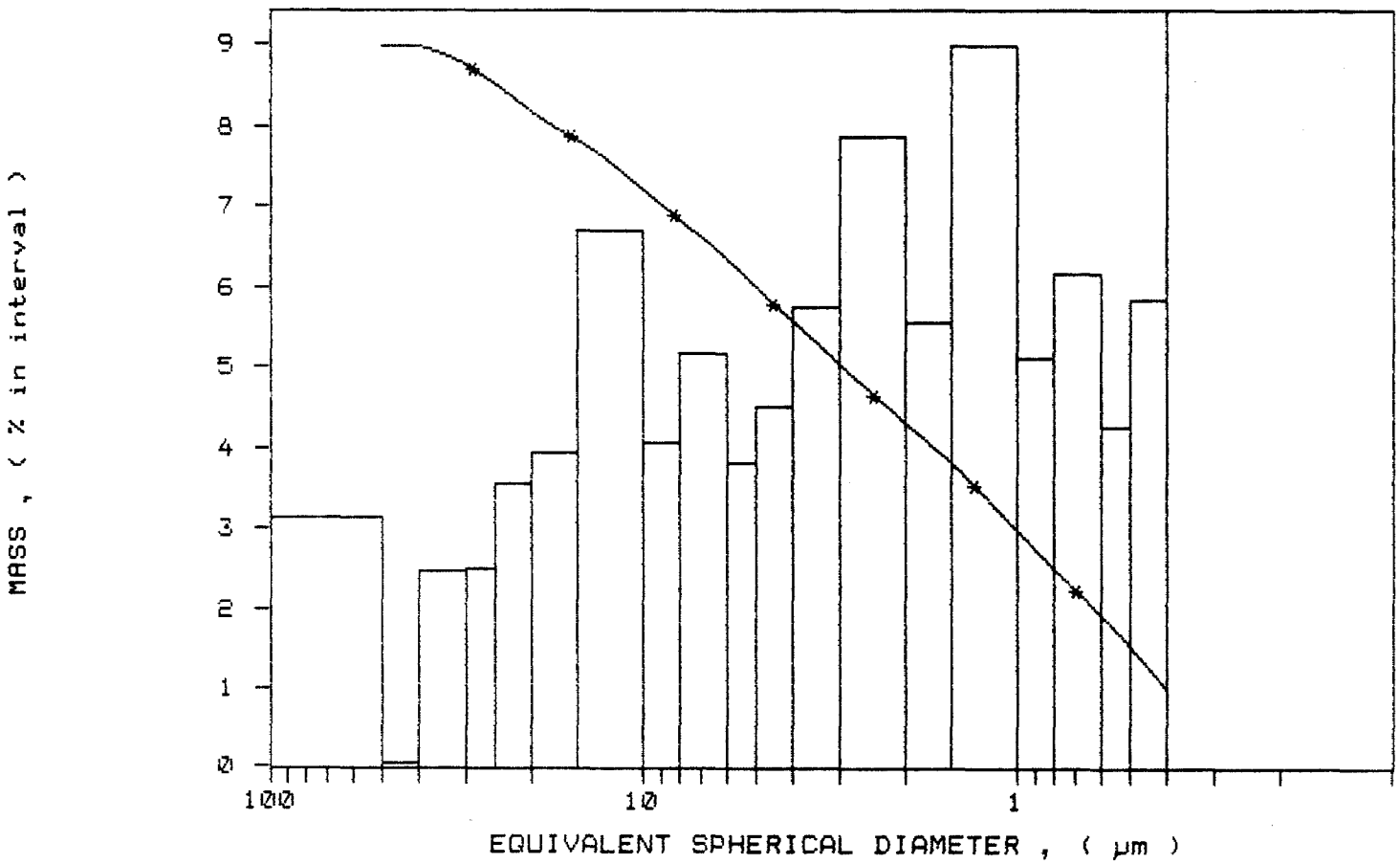
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /5
SAMPLE ID: Hole 89-9 # 926
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 13:13:14 03/23/92
REPRT 13:24:32 03/23/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7327 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 927

SediGraph 5100 V3.02

SAMPLE DIRECTORY/NUMBER: DATA7 /6
SAMPLE ID: Hole 89-9 3 927
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 83 kilocounts/sec

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

UNIT NUMBER: 1
START 13:41:30 03/23/92
REPRT 13:52:10 03/23/92
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.67 µm

MODAL DIAMETER: 2.24 µm

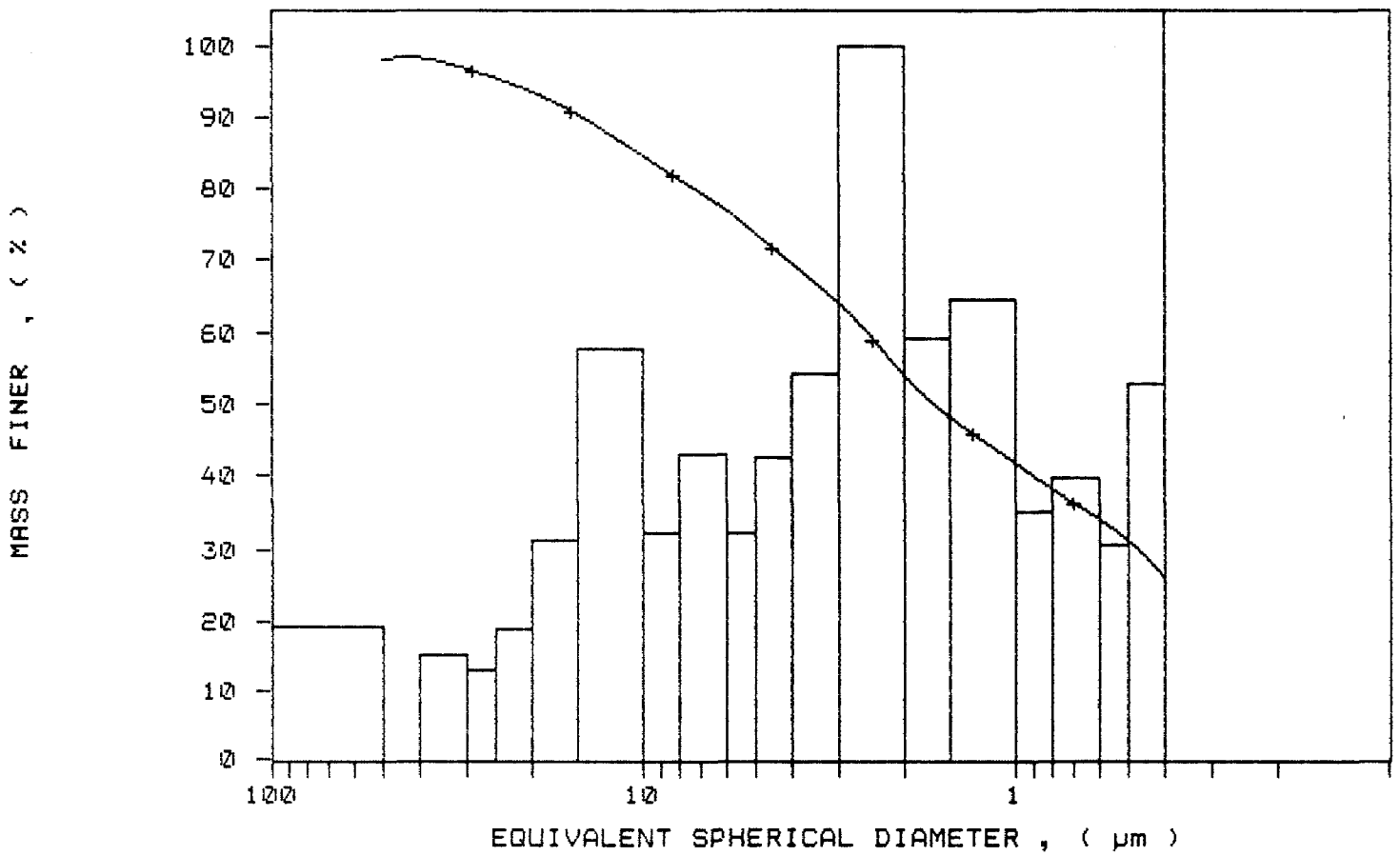
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.1	1.9
40.00	98.3	-0.2
30.00	96.8	1.6
25.00	95.4	1.3
20.00	93.5	1.9
15.00	90.4	3.1
10.00	84.6	5.8
8.00	81.3	3.3
6.00	77.0	4.3
5.00	73.7	3.3
4.00	69.5	4.3
3.00	64.0	5.4
2.00	54.0	10.0
1.50	48.1	5.9
1.00	41.7	6.4
0.80	38.2	3.5
0.60	34.1	4.0
0.50	31.1	3.1
0.40	25.8	5.3

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /6
SAMPLE ID: Hole 89-9 3 927
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 83 kilocounts/sec

UNIT NUMBER: 1
START 13:41:30 03/23/92
REPRT 13:52:10 03/23/92
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

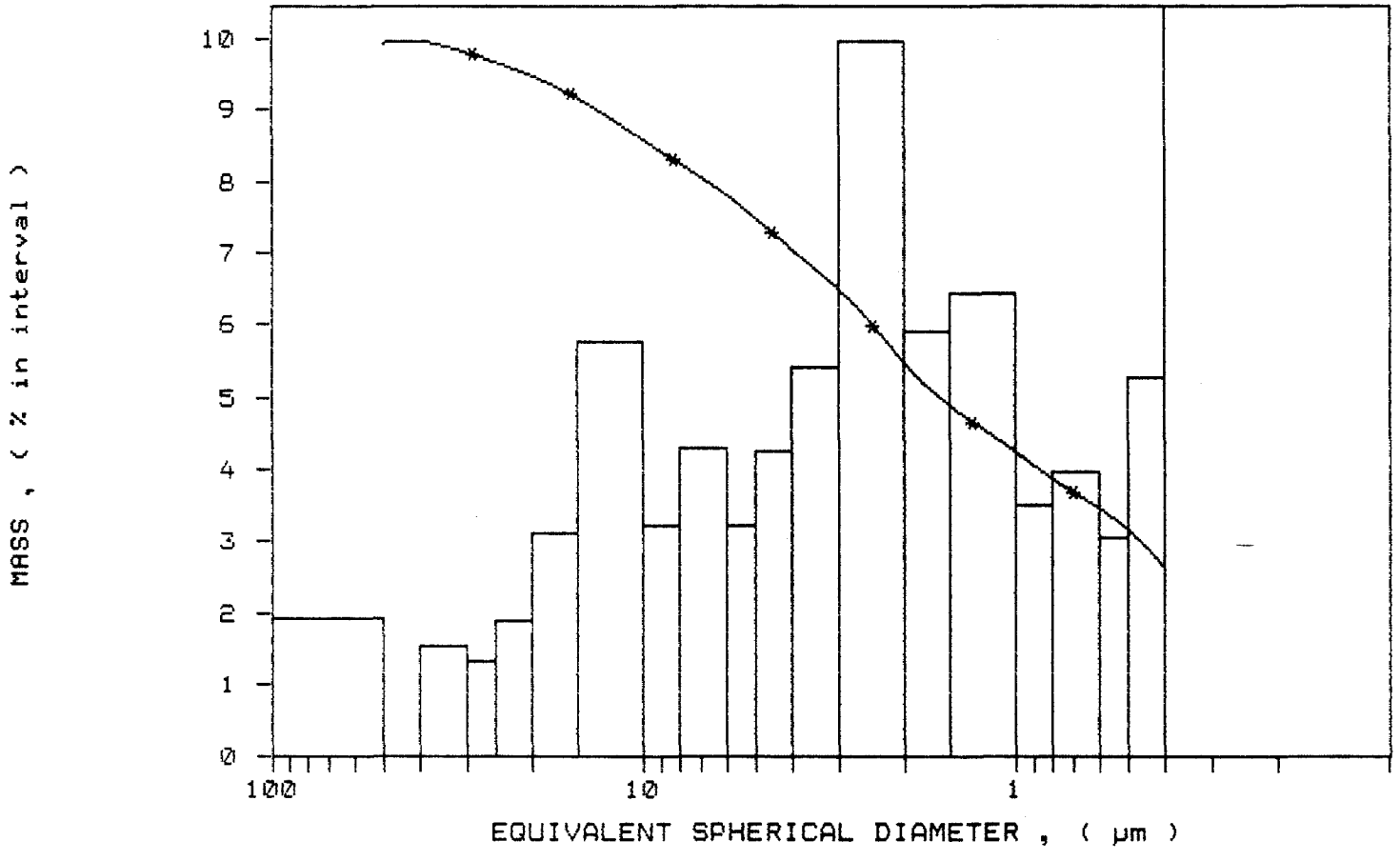
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /6
SAMPLE ID: Hole 89-9 3 927
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 83 kilocounts/sec

UNIT NUMBER: 1
START 13:41:30 03/23/92
REFRT 13:52:10 03/23/92
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 928

SediGraph 5100 V3.02

SAMPLE DIRECTORY/NUMBER: DATA7 /7
SAMPLE ID: Hole 89-9 # 928
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 80 kilocounts/sec

UNIT NUMBER: 1
START 14:03:01 03/23/92
REPRT 14:13:59 03/23/92
TOT RUN TIME 0:07:18
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7324 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 5.98 µm
MODAL DIAMETER: 13.09 µm

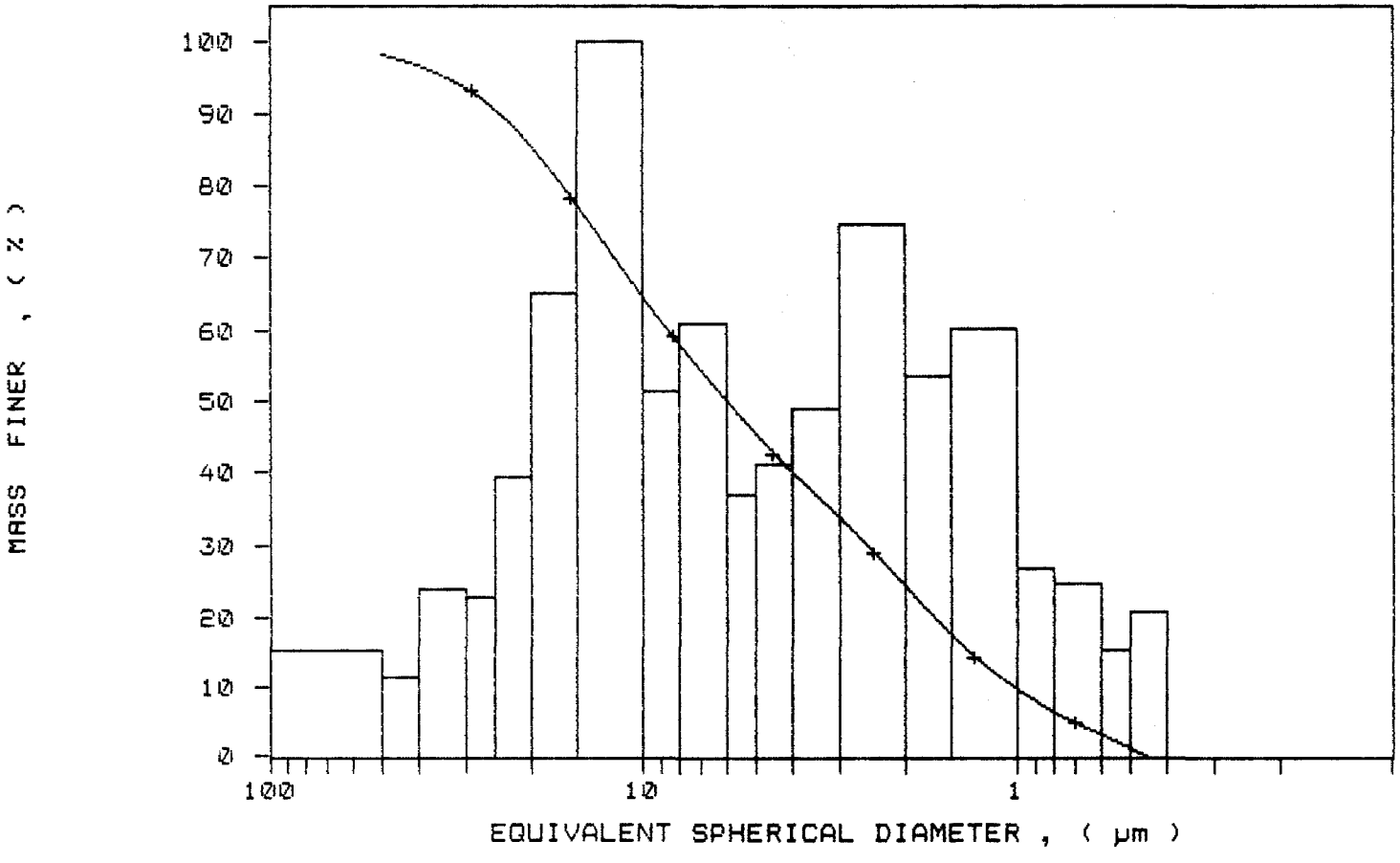
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.0	2.0
40.00	96.6	1.5
30.00	93.5	3.1
25.00	90.6	2.9
20.00	85.5	5.1
15.00	77.2	8.3
10.00	64.5	12.7
8.00	57.9	6.6
6.00	50.1	7.8
5.00	45.3	4.7
4.00	40.0	5.3
3.00	33.8	6.2
2.00	24.2	9.6
1.50	17.4	6.8
1.00	9.7	7.7
0.80	6.3	3.4
0.60	3.1	3.2
0.50	1.1	2.0
0.40	-1.5	2.7

MINERAL RESEARCH CANADA
1 [illegible] BLVD. RR2
[illegible] ONTARIO
[illegible]
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /7
SAMPLE ID: Hole 89-9 # 928
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 80 kilocounts/sec

UNIT NUMBER: 1
START 14:03:01 03/23/92
REPRT 14:13:59 03/23/92
TOT RUN TIME 0:07:18
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7324 cp
RUN TYPE: High Speed

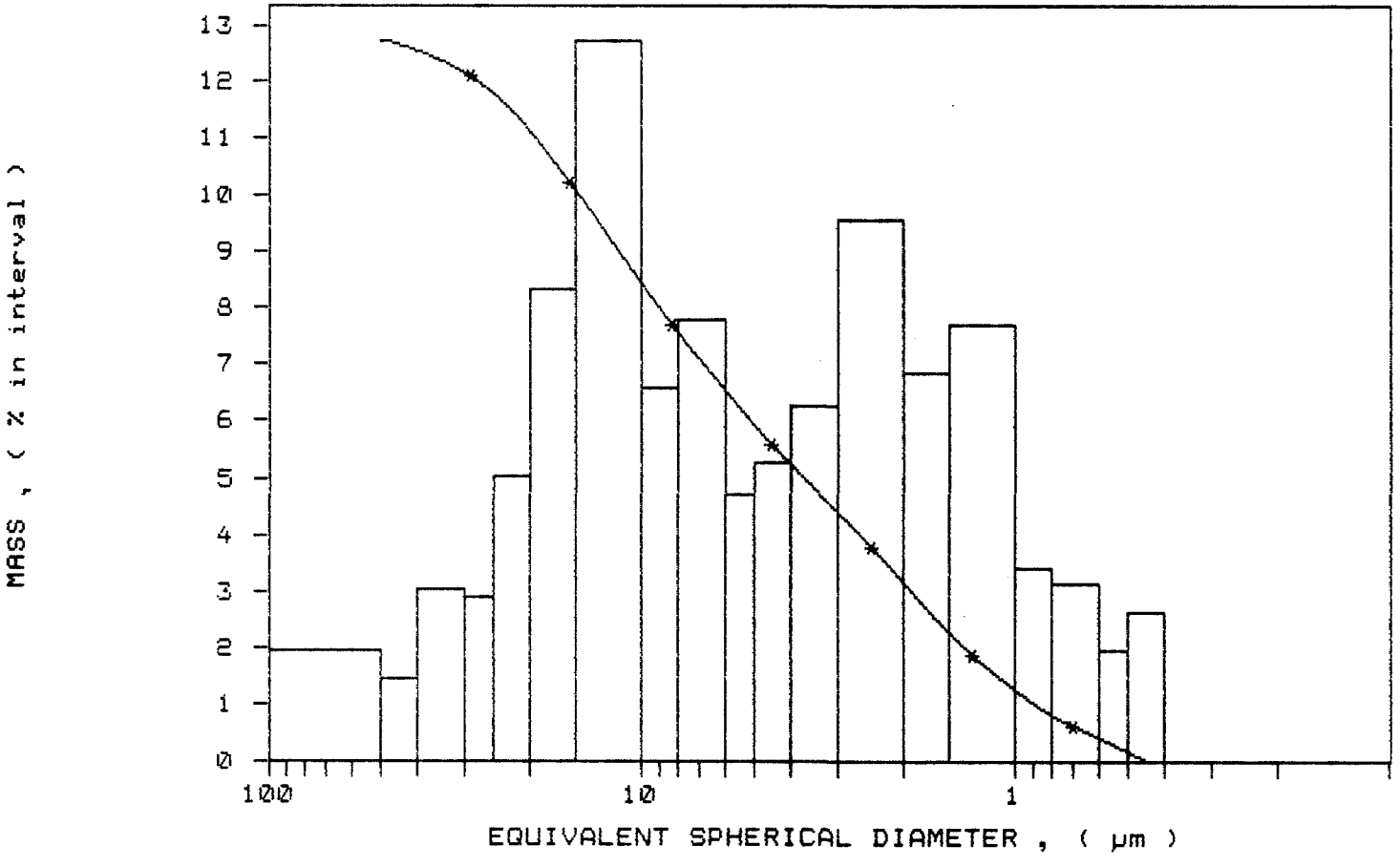
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /7
SAMPLE ID: Hole 89-9 # 928
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 80 kilocounts/sec

UNIT NUMBER: 1
START 14:03:01 03/23/92
REPRT 14:13:59 03/23/92
TOT RUN TIME 0:07:18
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7324 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /8
SAMPLE ID: Hole 89-9 # 929
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 87 kilocounts/sec

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

UNIT NUMBER: 1
START 14:58:35 03/23/92
REPRT 15:09:49 03/23/92
TOT RUN TIME 0:07:33
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7329 cp
RUN TYPE: High Speed

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.35 µm

MODAL DIAMETER: 0.58 µm

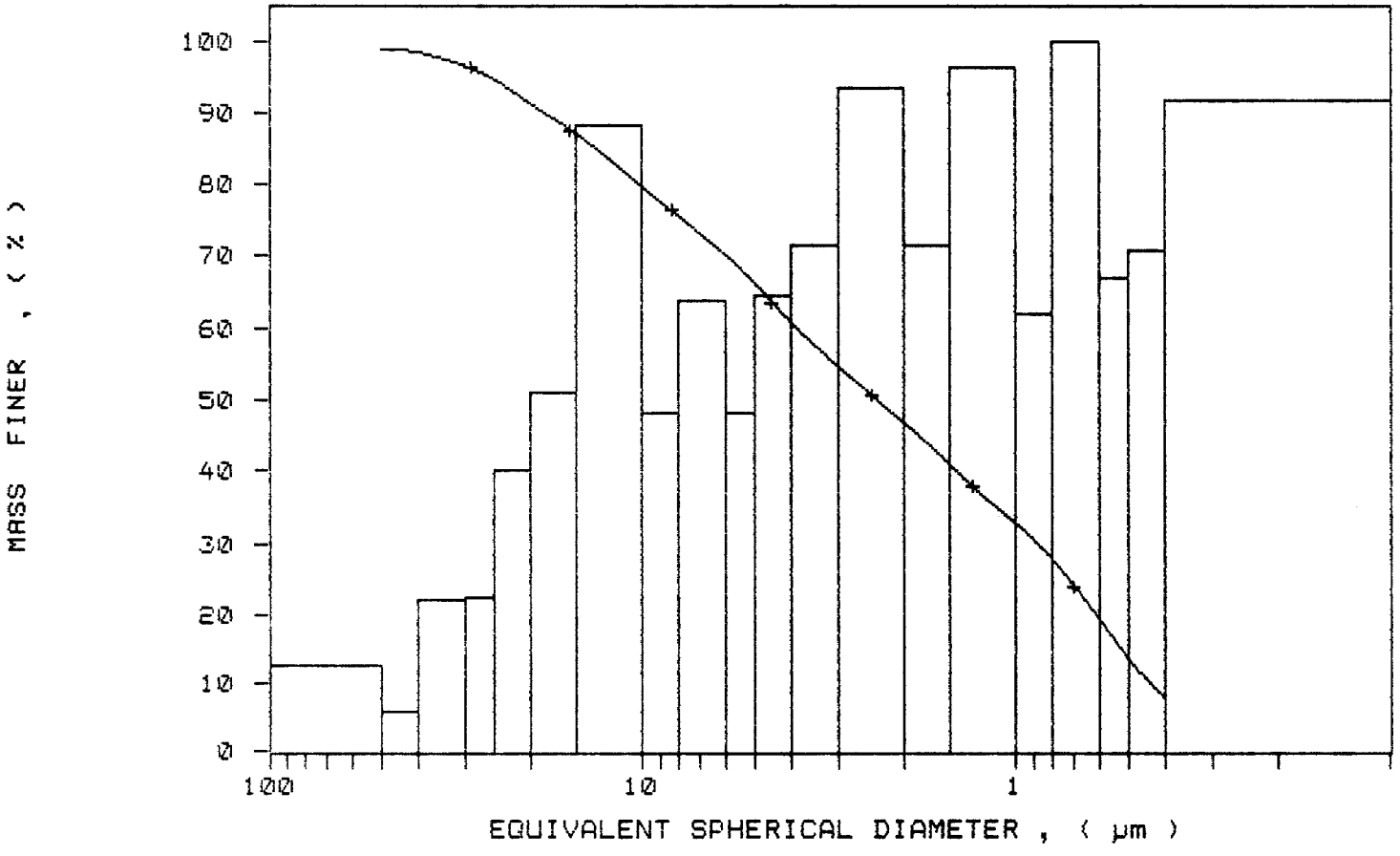
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.9	1.1
40.00	98.4	0.5
30.00	96.5	1.9
25.00	94.7	1.9
20.00	91.3	3.4
15.00	87.0	4.3
10.00	79.6	7.4
8.00	75.6	4.1
6.00	70.2	5.4
5.00	66.2	4.1
4.00	60.7	5.4
3.00	54.7	6.0
2.00	46.9	7.8
1.50	40.9	6.0
1.00	32.8	8.1
0.80	27.6	5.2
0.60	19.3	8.4
0.50	13.7	5.6
0.40	7.7	6.0

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /8
SAMPLE ID: Hole 89-9 # 929
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 87 kilocounts/sec

UNIT NUMBER: 1
START 14:58:35 03/23/92
REPRT 15:09:49 03/23/92
TOT RUN TIME 0:07:33
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7329 cp
RUN TYPE: High Speed

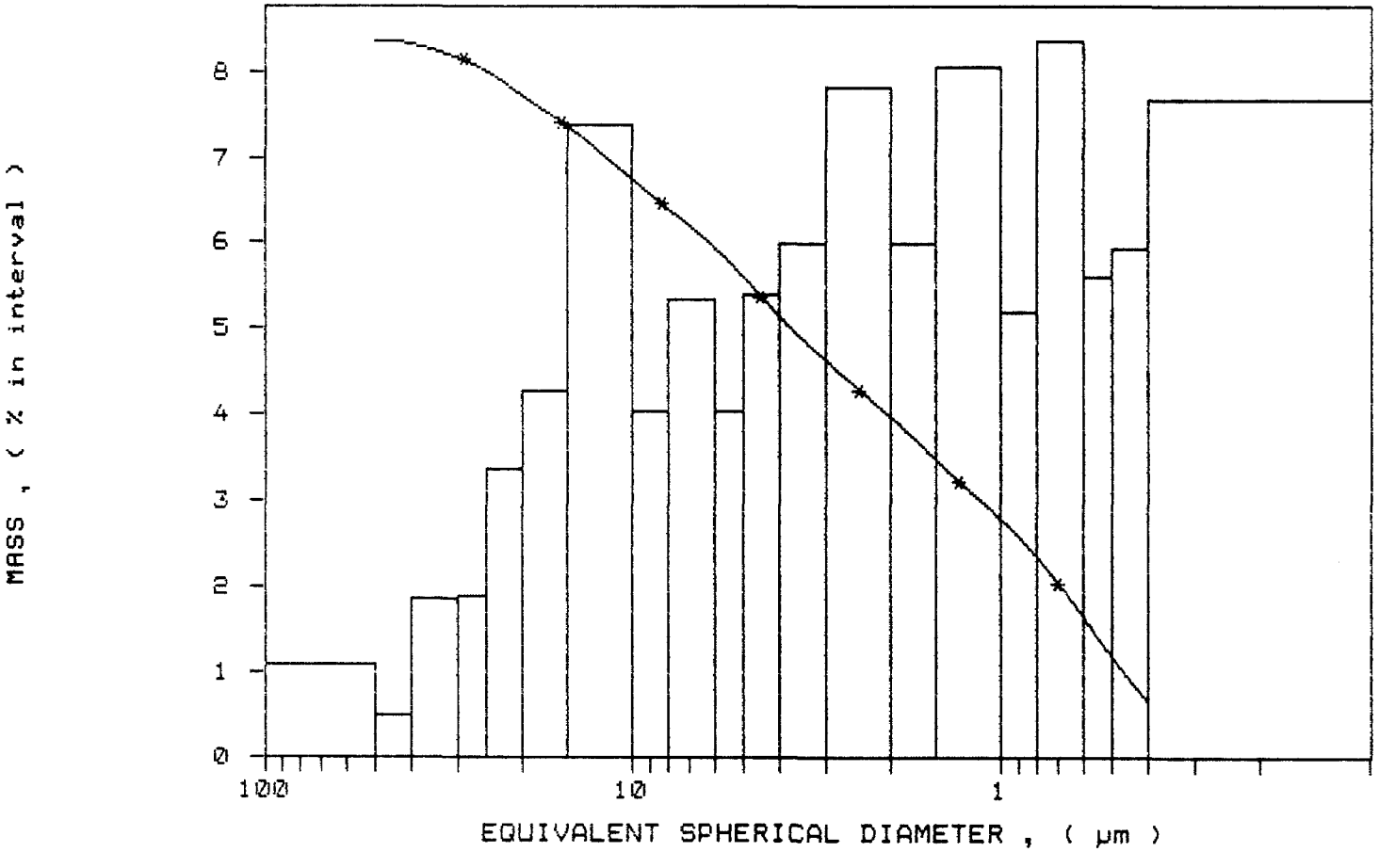
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /8
SAMPLE ID: Hole 89-9 # 929
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 87 kilocounts/sec

UNIT NUMBER: 1
START 14:58:35 03/23/92
REPRT 15:09:49 03/23/92
TOT RUN TIME 0:07:33
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7329 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 930

SediGraph 5100 V3.02 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA7 /9
SAMPLE ID: Hole 89-9 # 930
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 15:18:14 03/23/92
REPRT 15:29:33 03/23/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7327 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.59 µm
MODAL DIAMETER: 4.44 µm

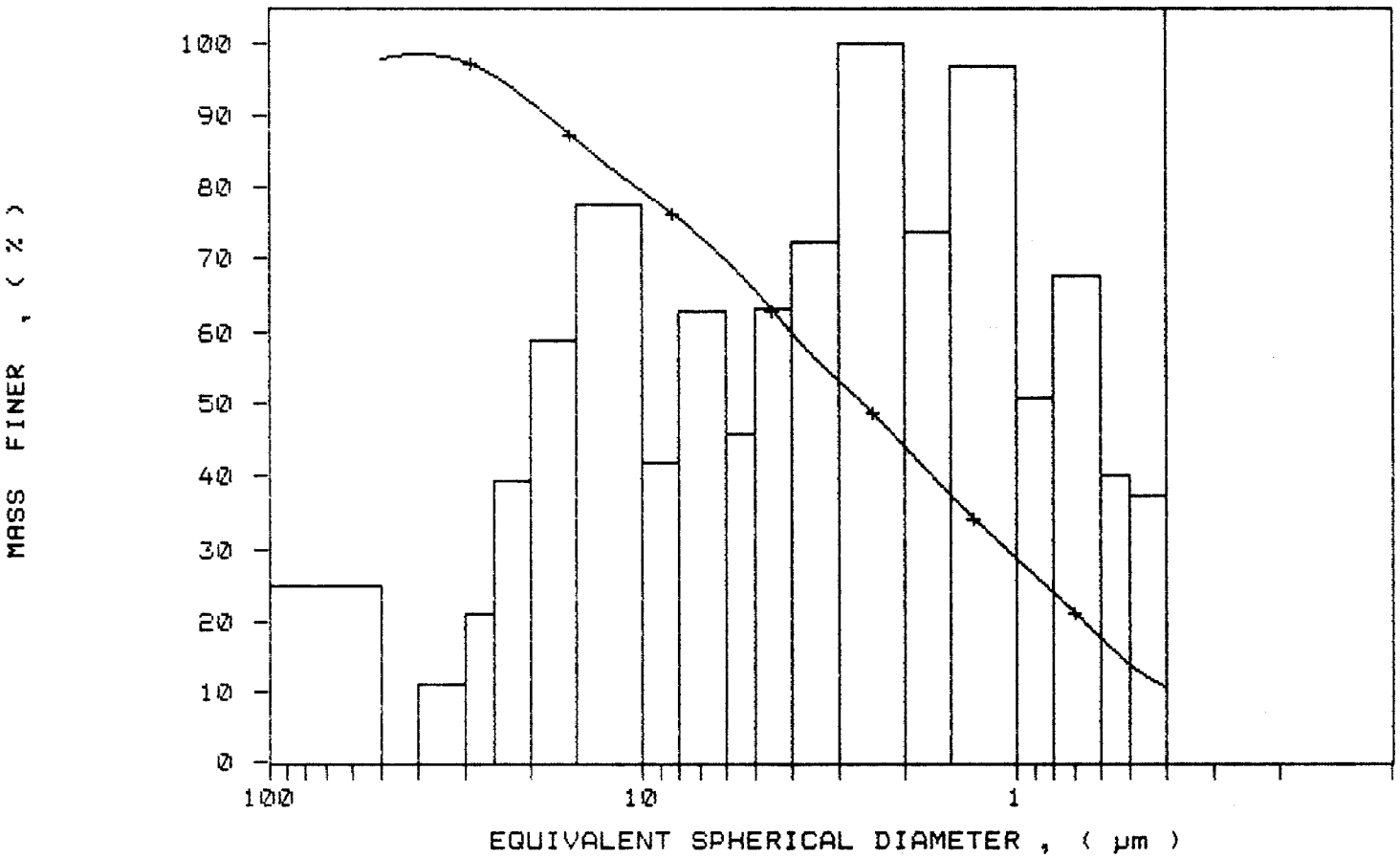
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.7	2.3
40.00	98.4	-0.7
30.00	97.4	1.0
25.00	95.5	1.9
20.00	91.9	3.6
15.00	86.5	5.4
10.00	79.4	7.1
8.00	75.5	3.8
6.00	69.8	5.8
5.00	65.6	4.2
4.00	59.8	5.8
3.00	53.2	6.6
2.00	44.1	9.1
1.50	37.3	6.7
1.00	28.5	8.8
0.80	23.8	4.6
0.60	17.7	6.2
0.50	14.0	3.7
0.40	10.6	3.4

MICROMERITICS RESEARCH
CANADA
[illegible]
FAX (705) 378-5123 TEL (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /9
SAMPLE ID: Hole 89-9 # 930
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 15:18:14 03/23/92
REPRT 15:29:33 03/23/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7327 cp
RUN TYPE: High Speed

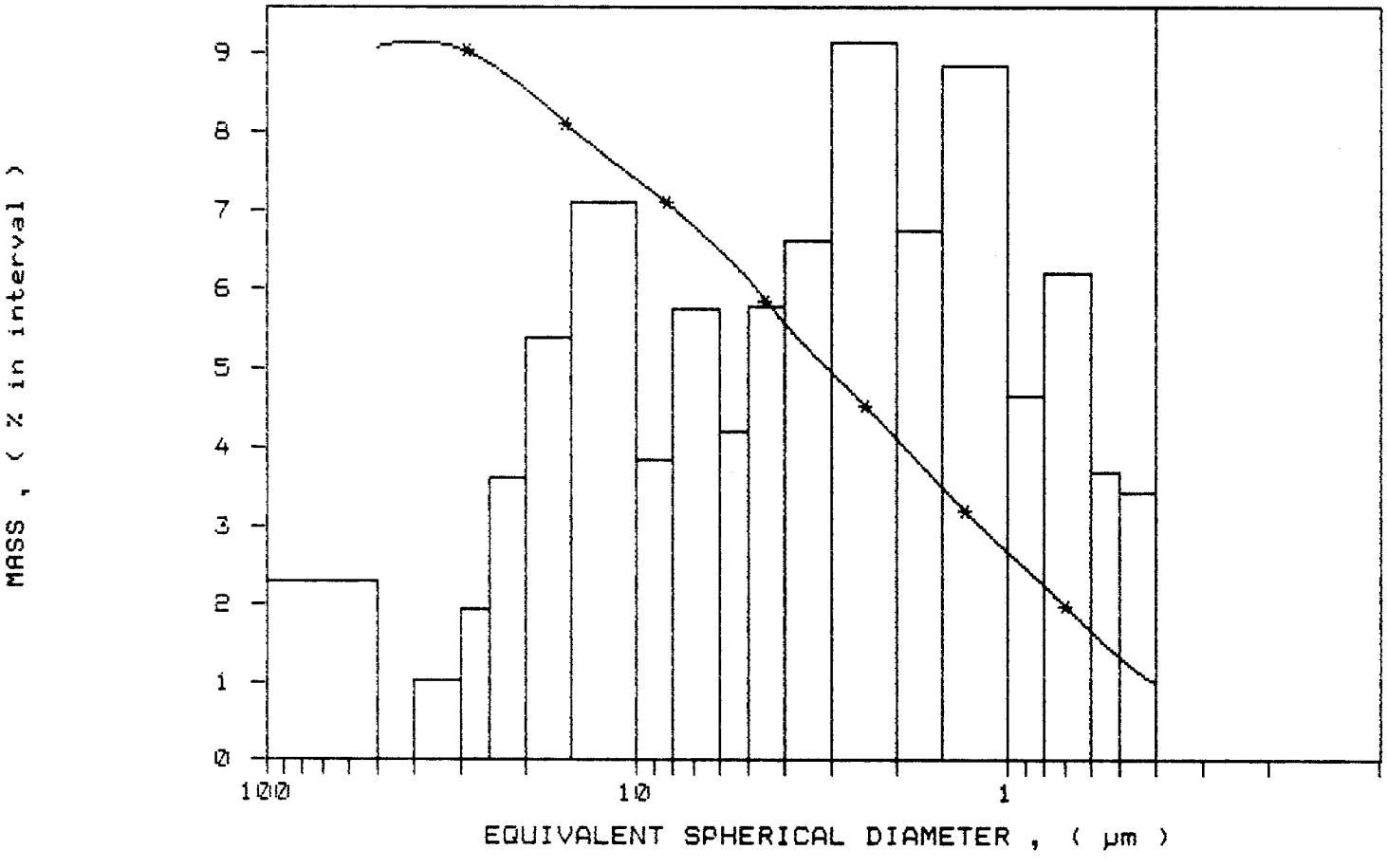
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /9
SAMPLE ID: Hole 89-9 # 930
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 15:18:14 03/23/92
REPRT 15:29:33 03/23/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7327 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /10
SAMPLE ID: Hole 89-9 # 931
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 90 kilocounts/sec

UNIT NUMBER: 1
START 15:40:06 03/23/92
REPRT 15:50:48 03/23/92
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7325 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.01 µm

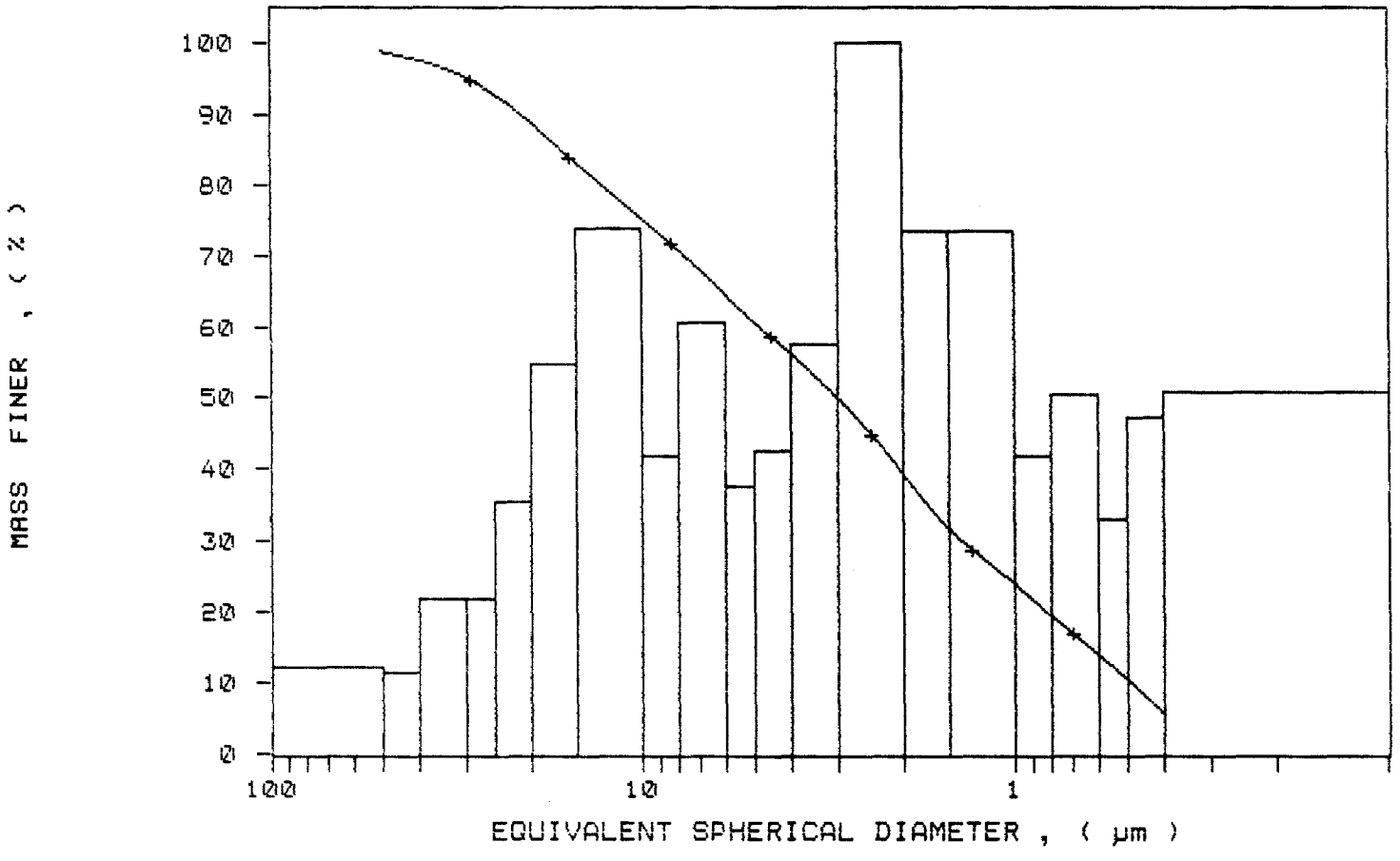
MODAL DIAMETER: 2.00 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.7	1.3
40.00	97.5	1.2
30.00	95.2	2.3
25.00	92.8	2.3
20.00	89.1	3.8
15.00	83.3	5.8
10.00	75.4	7.8
8.00	71.0	4.4
6.00	64.5	6.4
5.00	60.5	4.0
4.00	56.0	4.5
3.00	49.9	6.1
2.00	39.3	10.6
1.50	31.5	7.8
1.00	23.7	7.8
0.80	19.2	4.5
0.60	13.9	5.4
0.50	10.4	3.5
0.40	5.4	5.0

SAMPLE DIRECTORY/NUMBER: DATA7 /10
SAMPLE ID: Hole 89-9 # 931
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 90 kilocounts/sec

UNIT NUMBER: 1
START 15:40:06 03/23/92
REPRT 15:50:48 03/23/92
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7325 cp
RUN TYPE: High Speed

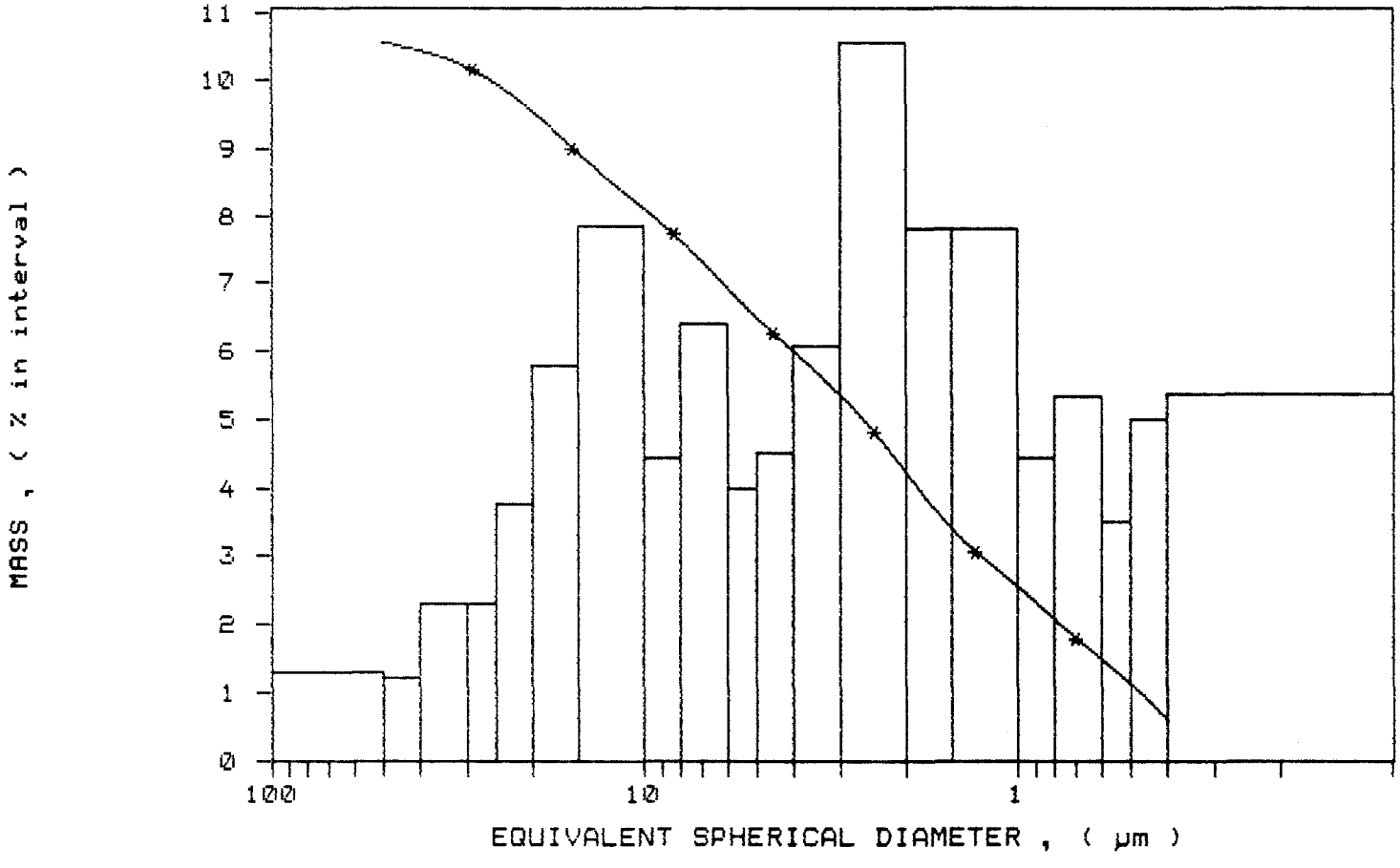
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /10
SAMPLE ID: Hole 89-9 # 931
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 90 kilocounts/sec

UNIT NUMBER: 1
START 15:40:06 03/23/92
REPRT 15:50:48 03/23/92
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7325 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /11
SAMPLE ID: Hole 89-9 # 932
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 106 kilocounts/sec

UNIT NUMBER: 1
START 15:58:06 03/23/92
REPRT 16:17:35 03/23/92
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 16.02 µm

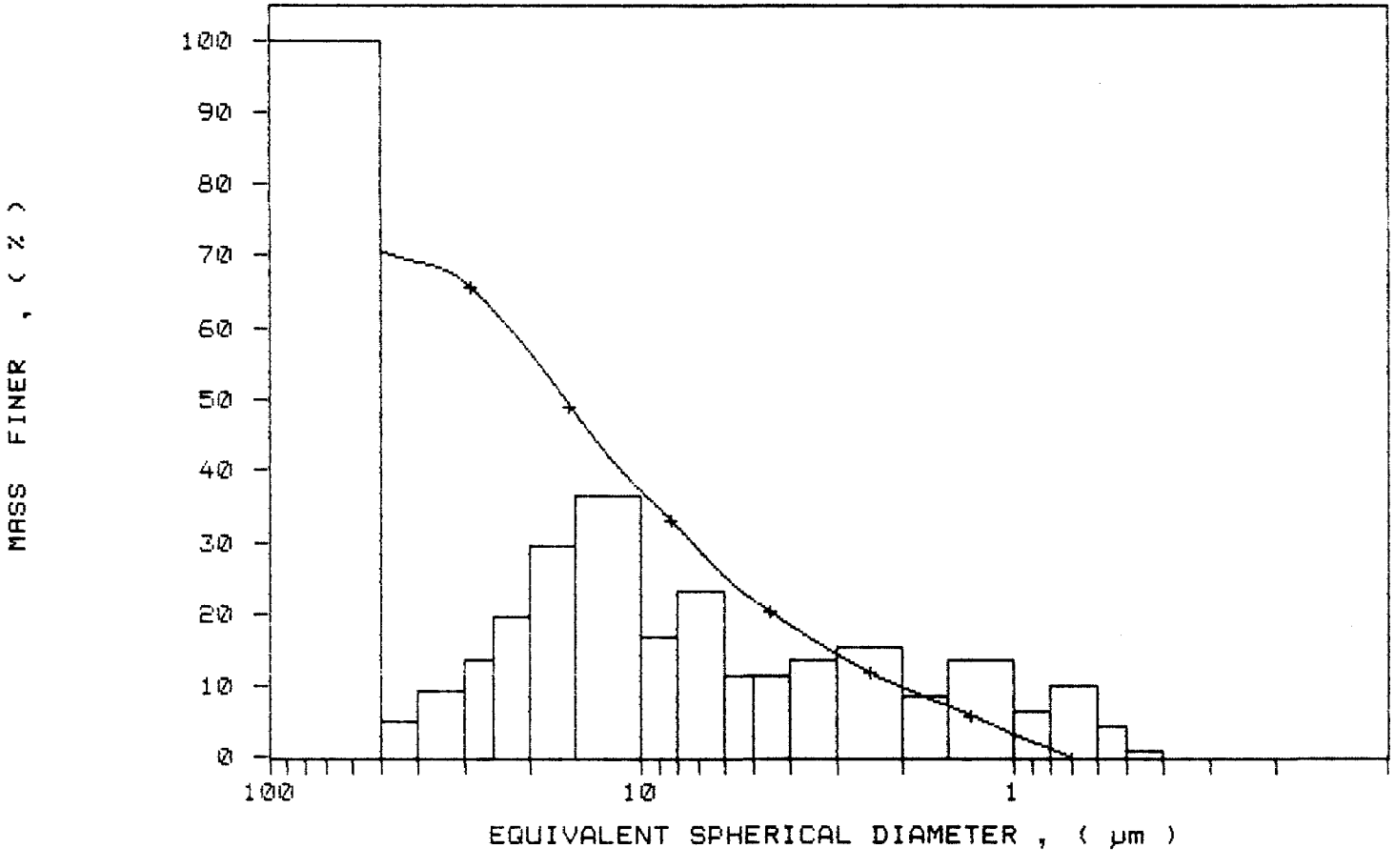
MODAL DIAMETER: 15.61 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	70.7	29.3
40.00	69.2	1.5
30.00	66.4	2.8
25.00	62.4	4.0
20.00	56.6	5.8
15.00	47.9	8.7
10.00	37.1	10.8
8.00	32.1	5.0
6.00	25.3	6.9
5.00	21.9	3.4
4.00	18.5	3.4
3.00	14.4	4.0
2.00	9.9	4.5
1.50	7.3	2.6
1.00	3.2	4.1
0.80	1.2	2.0
0.60	-1.7	3.0
0.50	-3.1	1.4
0.40	-3.5	0.3

SAMPLE DIRECTORY/NUMBER: DATA7 /11
SAMPLE ID: Hole 89-9 # 932
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 106 kilocounts/sec

UNIT NUMBER: 1
START 15:58:06 03/23/92
REPRT 16:17:35 03/23/92
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

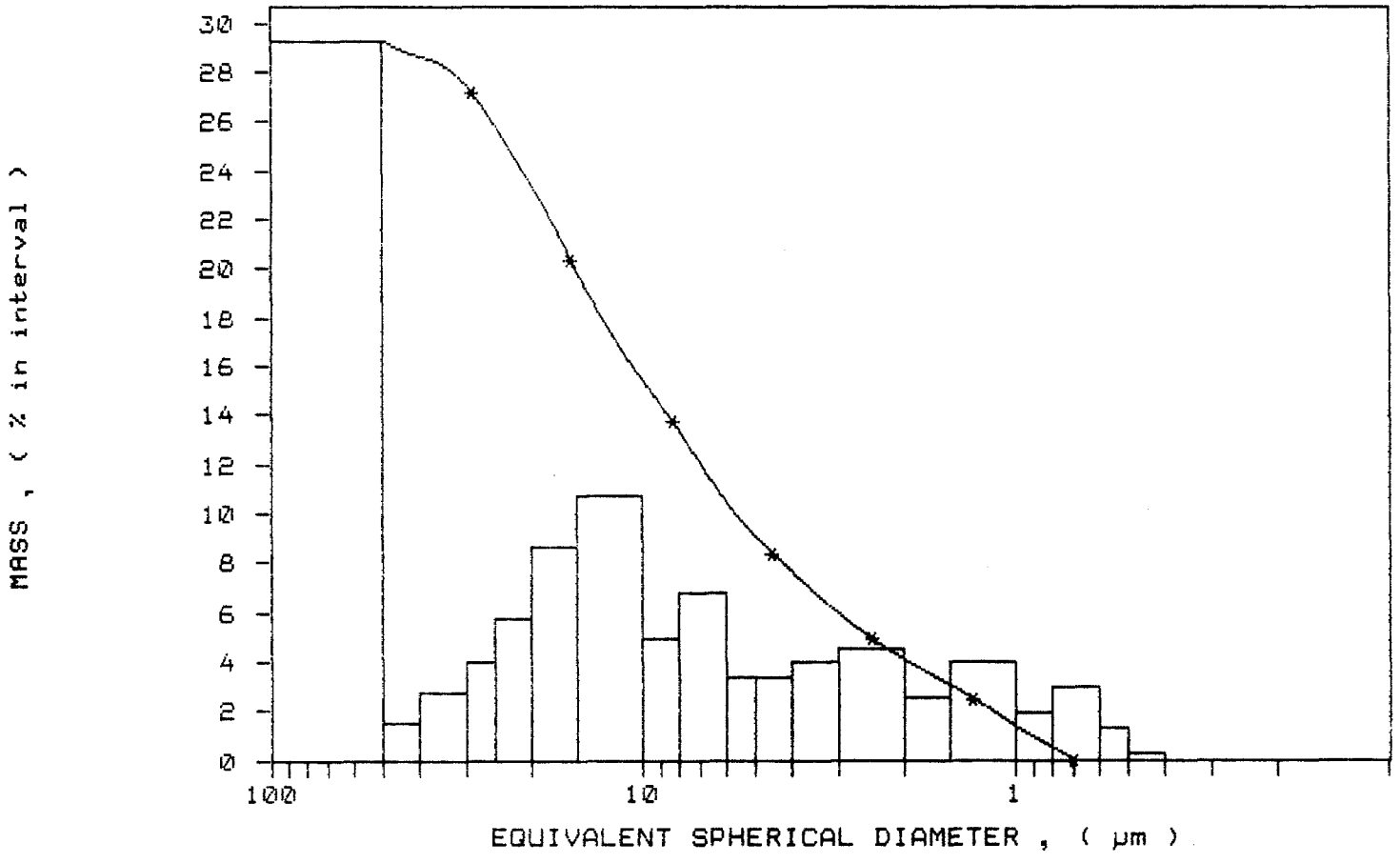
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /11
SAMPLE ID: Hole 89-9 # 932
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 106 kilocounts/sec

UNIT NUMBER: 1
START 15:58:06 03/23/92
REPRT 16:17:35 03/23/92
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /12
SAMPLE ID: Hole 89-9 # 933
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.2 deg C
BASELINE/FULL SCALE: 128/ 91 kilocounts/sec

UNIT NUMBER: 1
START 11:28:43 03/24/92
REPRT 11:39:47 03/24/92
TOT RUN TIME 0:07:23
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7336 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.82 µm

MODAL DIAMETER: 1.92 µm

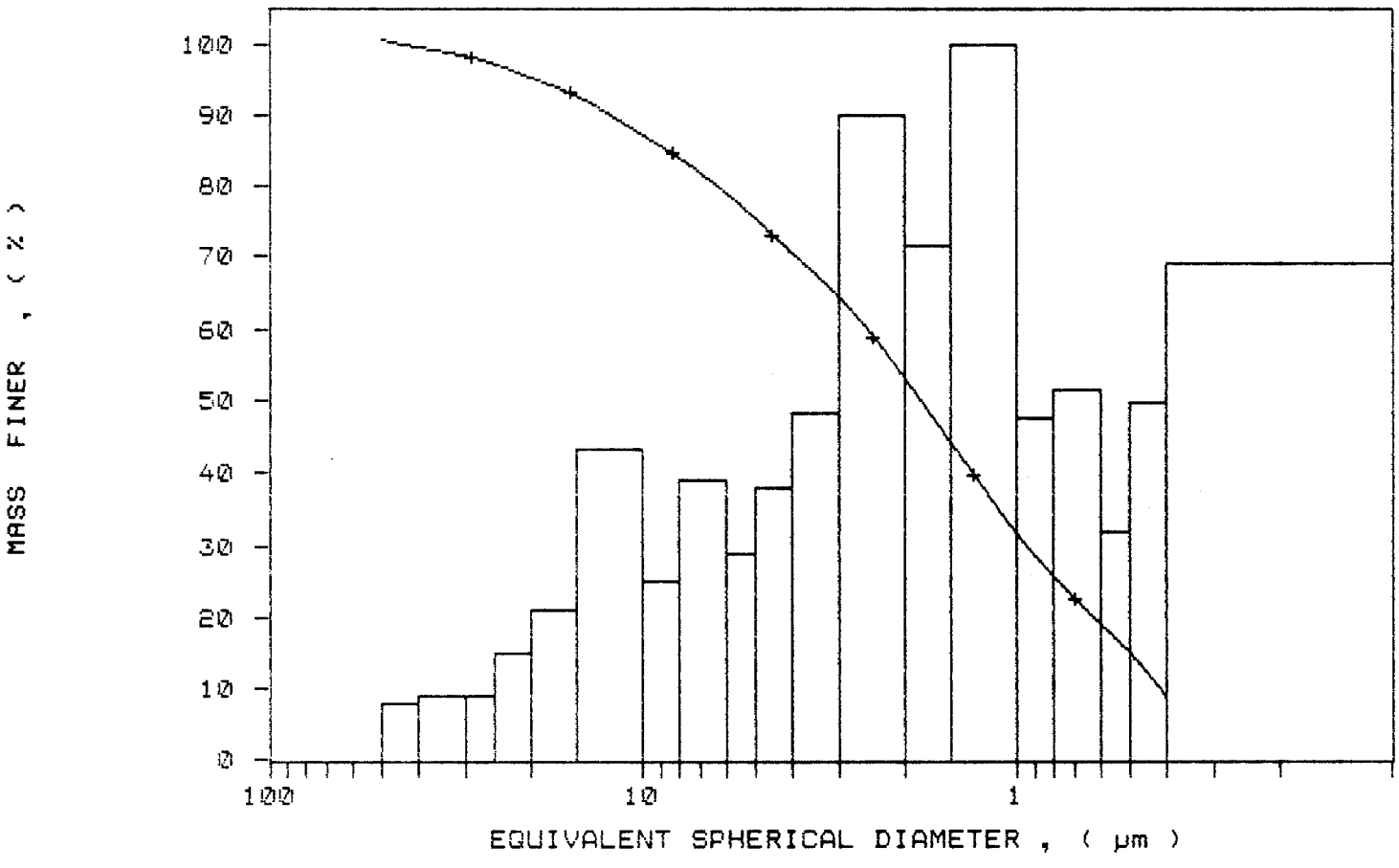
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.5	-0.5
40.00	99.5	1.0
30.00	98.3	1.2
25.00	97.2	1.2
20.00	95.3	1.9
15.00	92.6	2.7
10.00	87.1	5.5
8.00	84.0	3.2
6.00	79.0	5.0
5.00	75.4	3.7
4.00	70.6	4.8
3.00	64.5	6.1
2.00	53.1	11.4
1.50	44.1	9.0
1.00	31.5	12.6
0.80	25.5	6.0
0.60	19.0	6.5
0.50	15.0	4.1
0.40	8.7	6.3

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 PH (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /12
SAMPLE ID: Hole 89-9 # 933
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.2 deg C
BASELINE/FULL SCALE: 128/ 91 kilocounts/sec

UNIT NUMBER: 1
START 11:28:43 03/24/92
REPRT 11:39:47 03/24/92
TOT RUN TIME 0:07:23
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7336 cp
RUN TYPE: High Speed

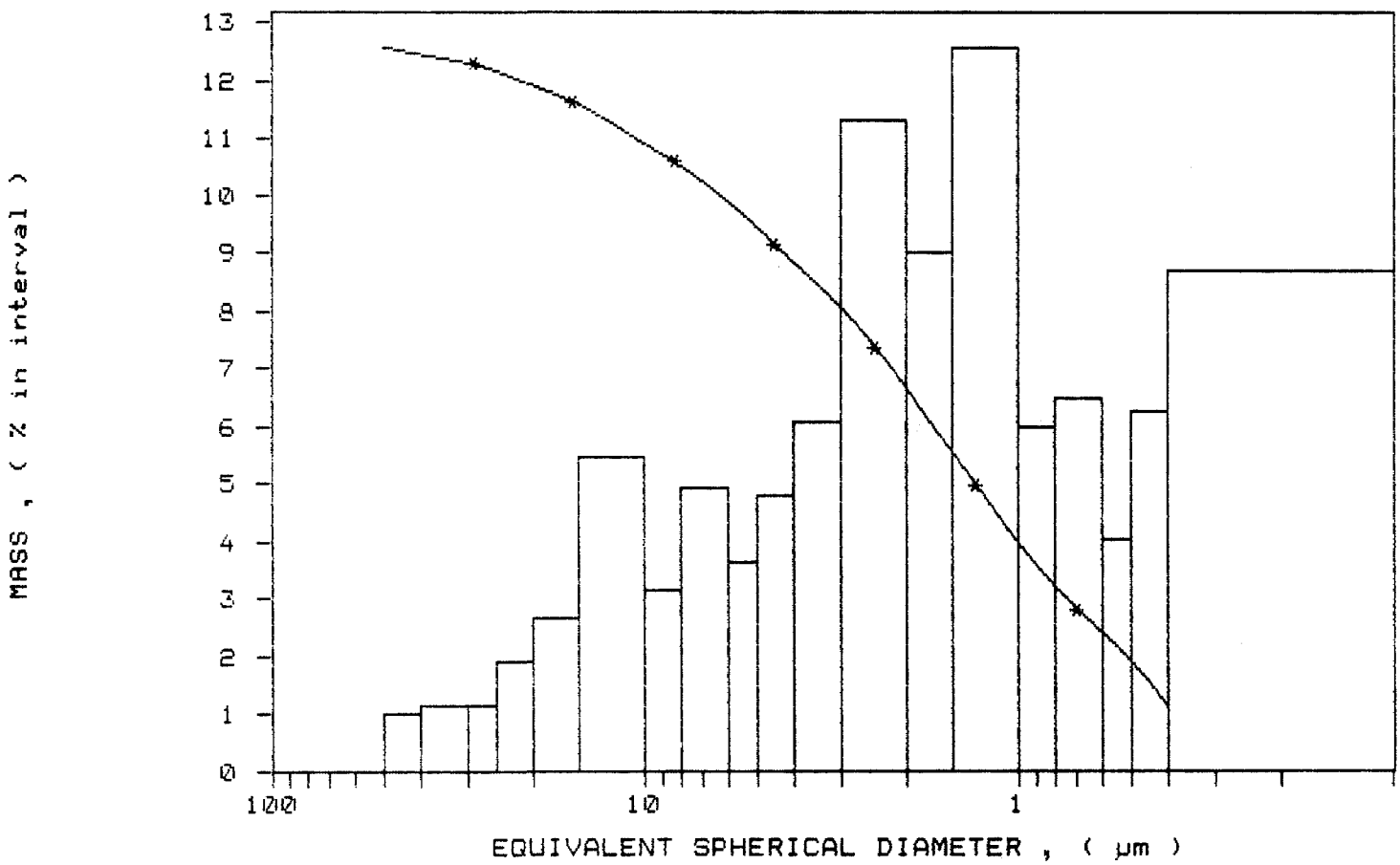
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /12
SAMPLE ID: Hole 89-9 # 933
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.2 deg C
BASELINE/FULL SCALE: 128/ 91 kilocounts/sec

UNIT NUMBER: 1
START 11:28:43 03/24/92
REPRT 11:39:47 03/24/92
TOT RUN TIME 0:07:23
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9944 g/cc
LIQ VISC: 0.7336 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /13
SAMPLE ID: Hole 89-9 # 934
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 12:03:48 03/24/92
REPRT 12:14:31 03/24/92
TOT RUN TIME 0:07:01
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 5.80 µm

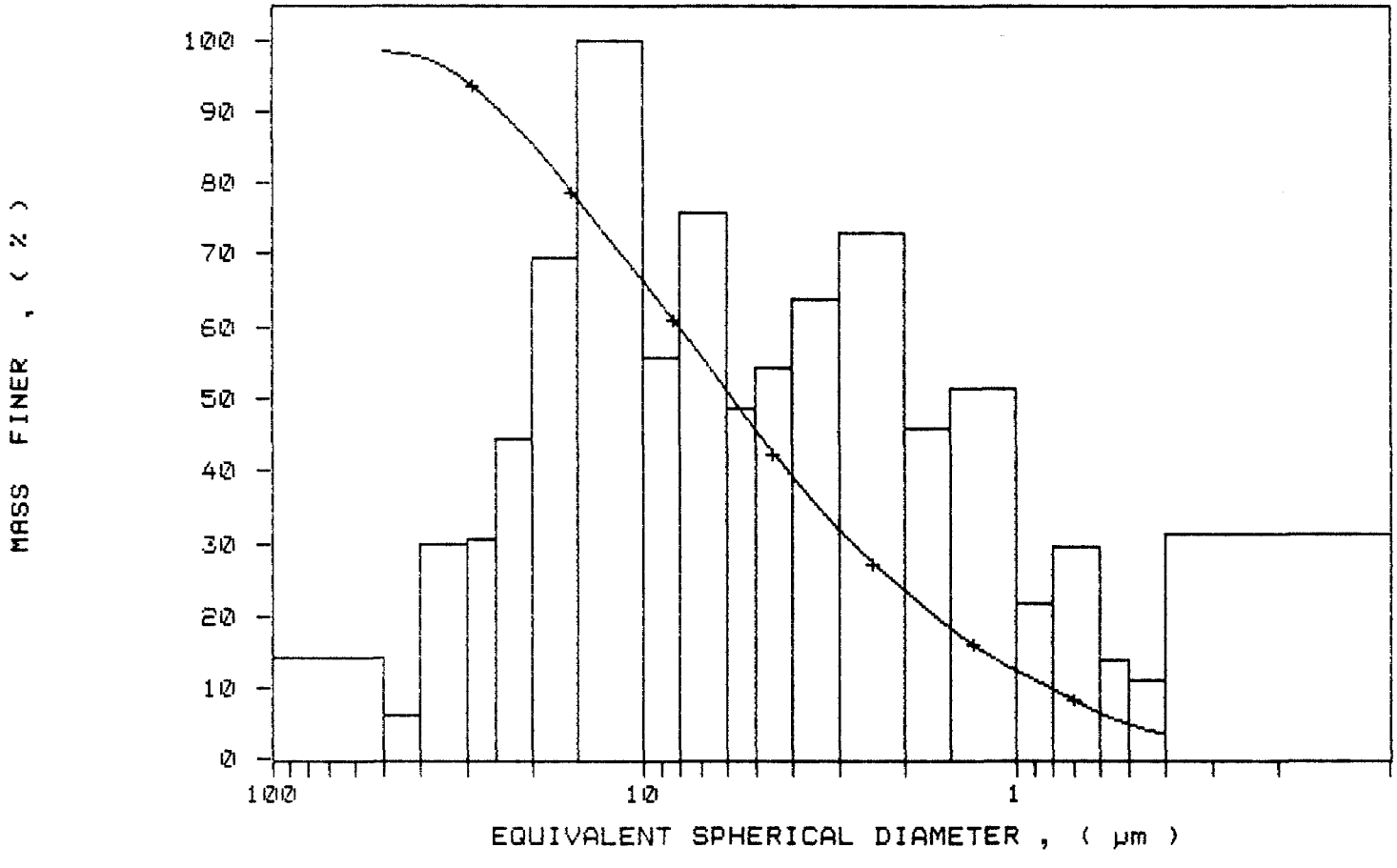
MODAL DIAMETER: 5.82 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.3	1.7
40.00	97.6	0.7
30.00	94.2	3.5
25.00	90.7	3.5
20.00	85.5	5.1
15.00	77.6	8.0
10.00	66.1	11.4
8.00	59.8	6.4
6.00	51.1	8.7
5.00	45.5	5.6
4.00	39.2	6.2
3.00	31.9	7.3
2.00	23.5	8.4
1.50	18.3	5.2
1.00	12.4	5.9
0.80	9.9	2.5
0.60	6.5	3.4
0.50	4.9	1.6
0.40	3.6	1.3

SAMPLE DIRECTORY/NUMBER: DATA7 /13
SAMPLE ID: Hole 89-9 # 934
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 12:03:48 03/24/92
REPRT 12:14:31 03/24/92
TOT RUN TIME 0:07:01
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

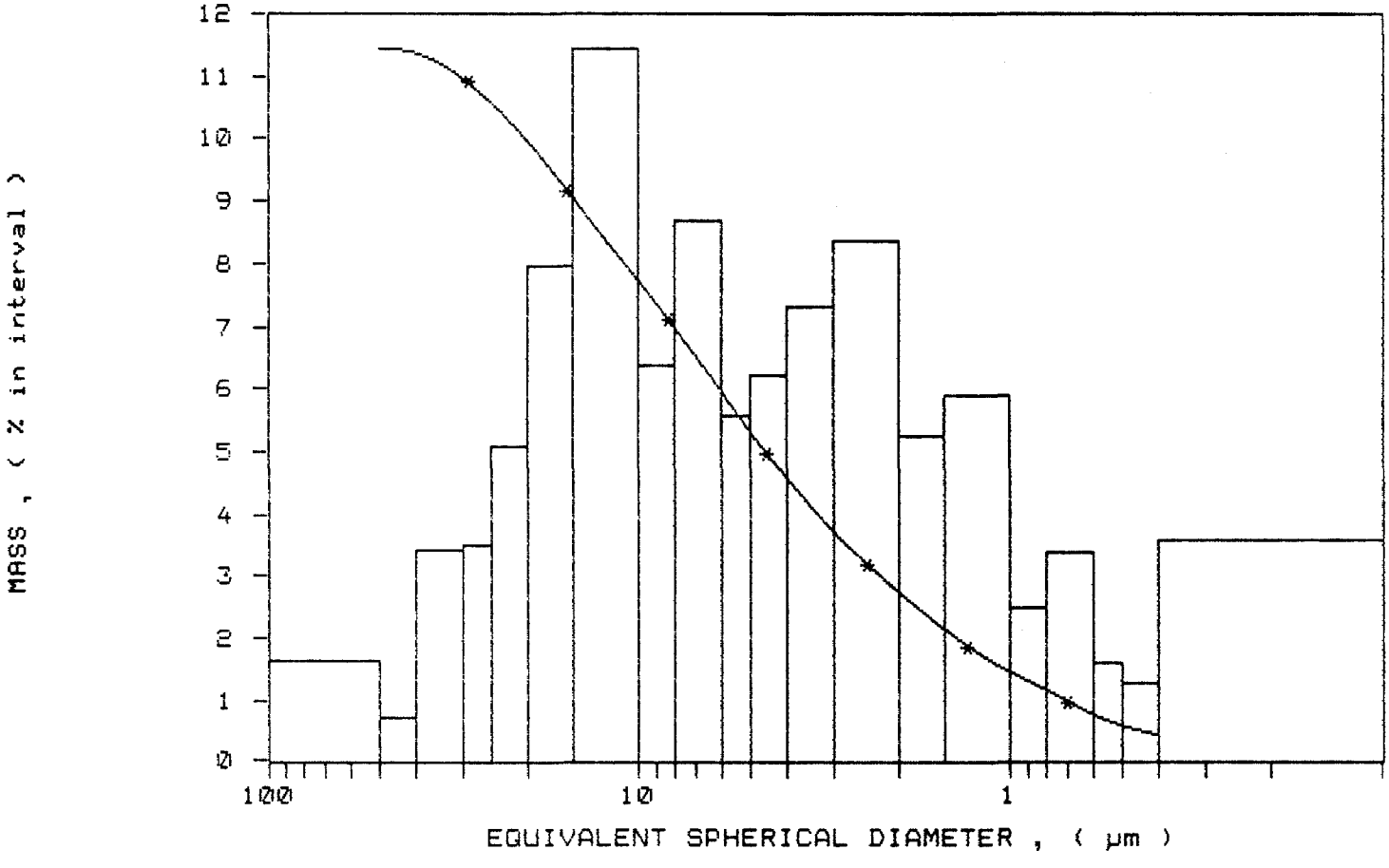
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /13
SAMPLE ID: Hole 89-9 # 934
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 92 kilocounts/sec

UNIT NUMBER: 1
START 12:03:48 03/24/92
REPRT 12:14:31 03/24/92
TOT RUN TIME 0:07:01
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Hole 89-9 # 935

SediGraph 5100 V3.02

SA[redacted]E DIRECTORY/NUMBER: DATA7 /14
SAMPLE ID: Hole 89-9 # 935
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 96 kilocounts/sec

UNIT NUMBER: 1
START 12:44:33 03/24/92
REPRT 12:55:15 03/24/92
TOT RUN TIME 0:07:01
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.39 µm
MODAL DIAMETER: 0.55 µm

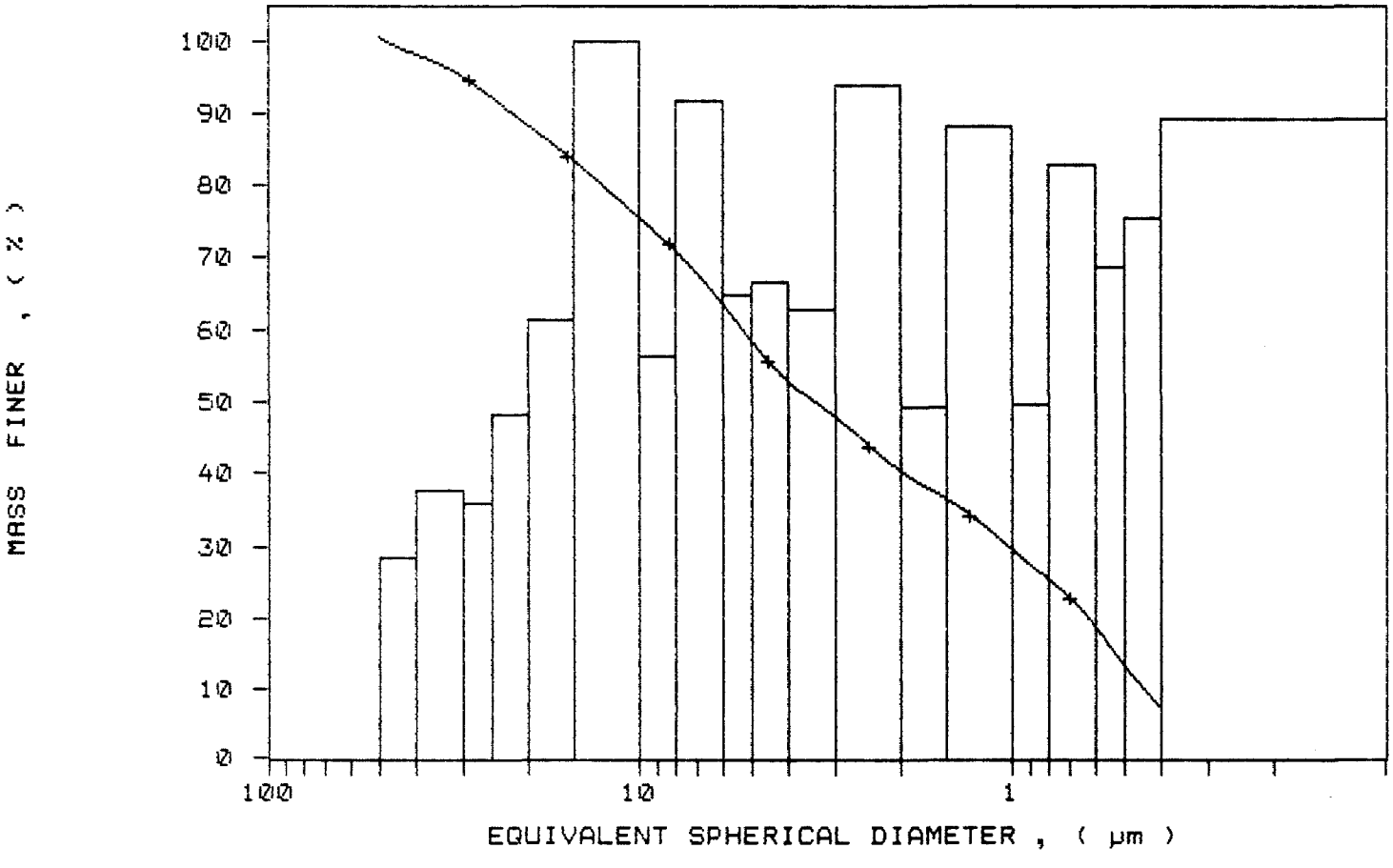
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.4	-0.4
40.00	98.1	2.3
30.00	95.1	3.0
25.00	92.2	2.9
20.00	88.3	3.9
15.00	83.4	4.9
10.00	75.4	8.0
8.00	70.9	4.5
6.00	63.5	7.4
5.00	58.3	5.2
4.00	53.0	5.4
3.00	47.9	5.0
2.00	40.4	7.5
1.50	36.4	4.0
1.00	29.4	7.1
0.80	25.4	4.0
0.60	18.7	6.7
0.50	13.2	5.5
0.40	7.1	6.0

MINERAL RESEARCH
CANADA
[redacted] INDUSTRIAL BLVD. RR2
[redacted] ONTARIO
CANADA [redacted]
FAX (705) 378-5123 PHONE (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /14
SAMPLE ID: Hole 89-9 # 935
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 96 kilocounts/sec

UNIT NUMBER: 1
START 12:44:33 03/24/92
REPRT 12:55:15 03/24/92
TOT RUN TIME 0:07:01
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

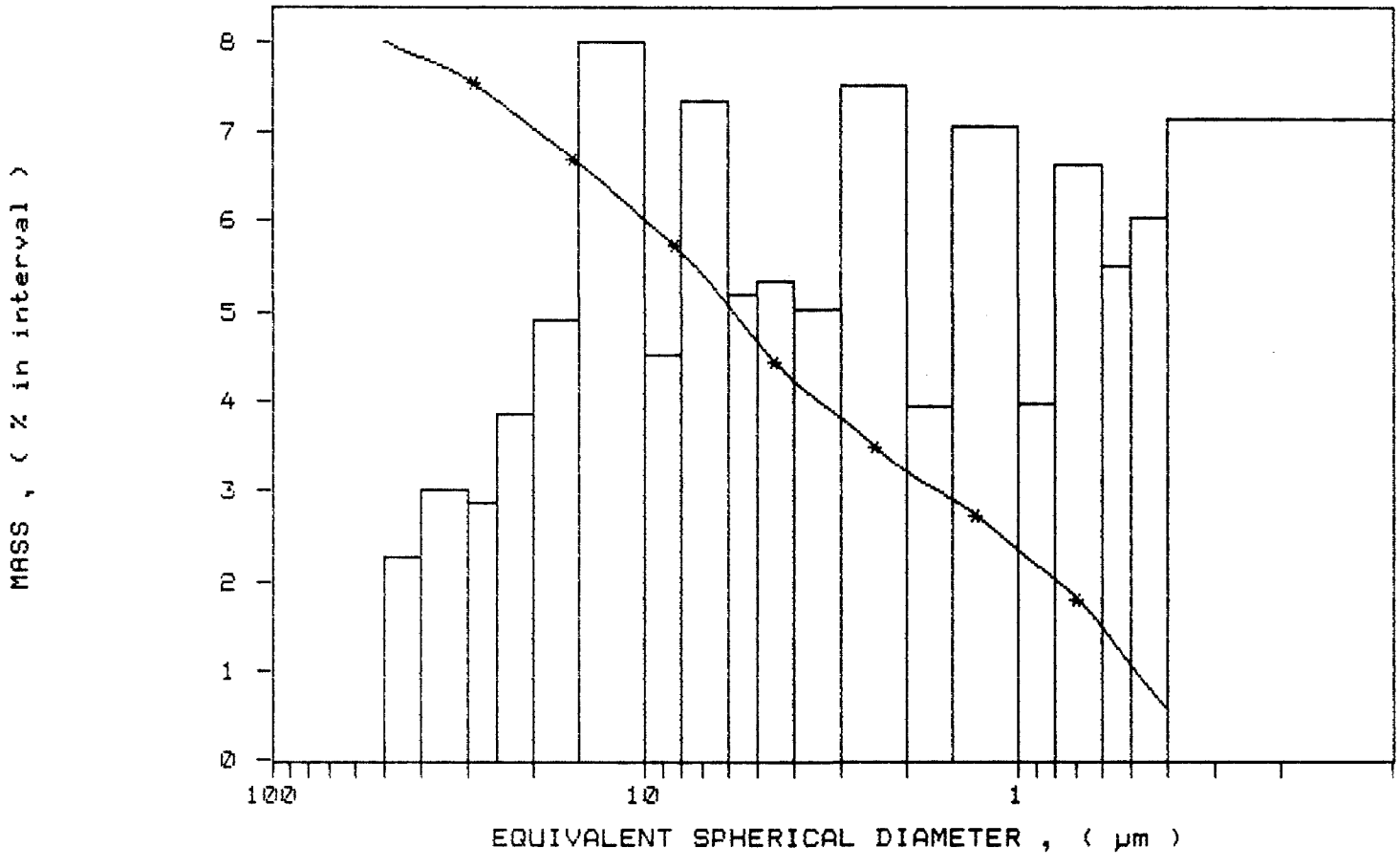
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /14
SAMPLE ID: Hole 89-9 # 935
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 96 kilocounts/sec

UNIT NUMBER: 1
START 12:44:33 03/24/92
REPRT 12:55:15 03/24/92
TOT RUN TIME 0:07:01
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SA[redacted]E DIRECTORY/NUMBER: DATA7 /15
SAMPLE ID: Hole 89-9 # 936
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 112 kilocounts/sec

UNIT NUMBER: 1
START 13:08:11 03/24/92
REPRT 13:19:28 03/24/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7325 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.40 µm

MODAL DIAMETER: 0.54 µm

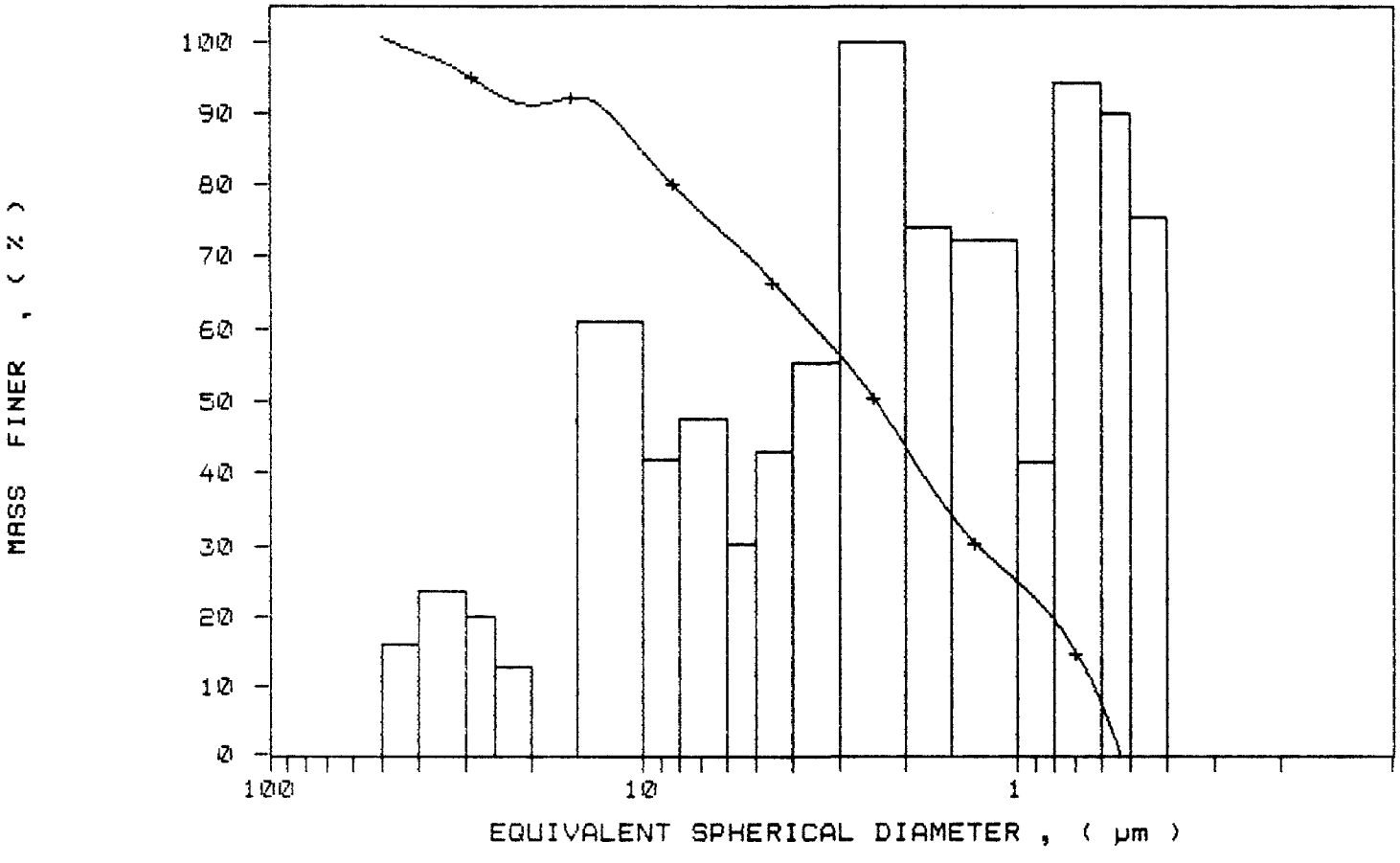
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.5	-0.5
40.00	98.4	2.1
30.00	95.4	3.0
25.00	92.8	2.6
20.00	91.1	1.7
15.00	92.3	-1.1
10.00	84.4	7.8
8.00	79.0	5.4
6.00	72.9	6.1
5.00	69.0	3.9
4.00	63.5	5.5
3.00	56.4	7.1
2.00	43.5	12.8
1.50	34.0	9.5
1.00	24.7	9.3
0.80	19.3	5.4
0.60	7.2	12.1
0.50	-4.4	11.6
0.40	-14.1	9.7

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /15
SAMPLE ID: Hole 89-9 # 936
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 112 kilocounts/sec

UNIT NUMBER: 1
START 13:08:11 03/24/92
REPRT 13:19:28 03/24/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7325 cp
RUN TYPE: High Speed

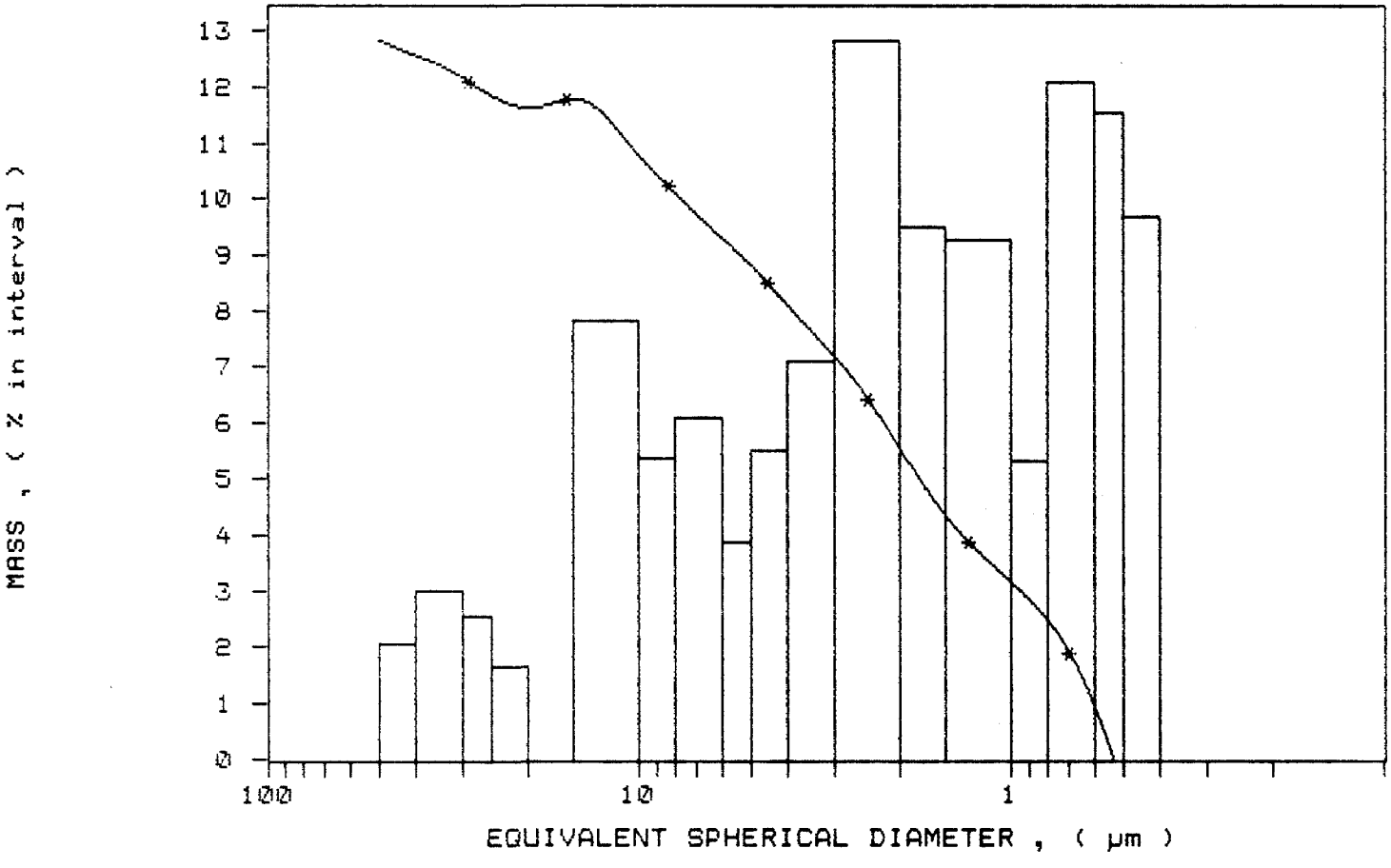
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /15
SAMPLE ID: Hole 89-9 # 936
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 112 kilocounts/sec

UNIT NUMBER: 1
START 13:08:11 03/24/92
REPRT 13:19:28 03/24/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7325 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /16
SAMPLE ID: Hole 89-9 # 937
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 110 kilocounts/sec

UNIT NUMBER: 1
START 13:32:02 03/24/92
REPRT 13:43:22 03/24/92
TOT RUN TIME 0:07:40
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 6.25 µm

MODAL DIAMETER: 15.70 µm

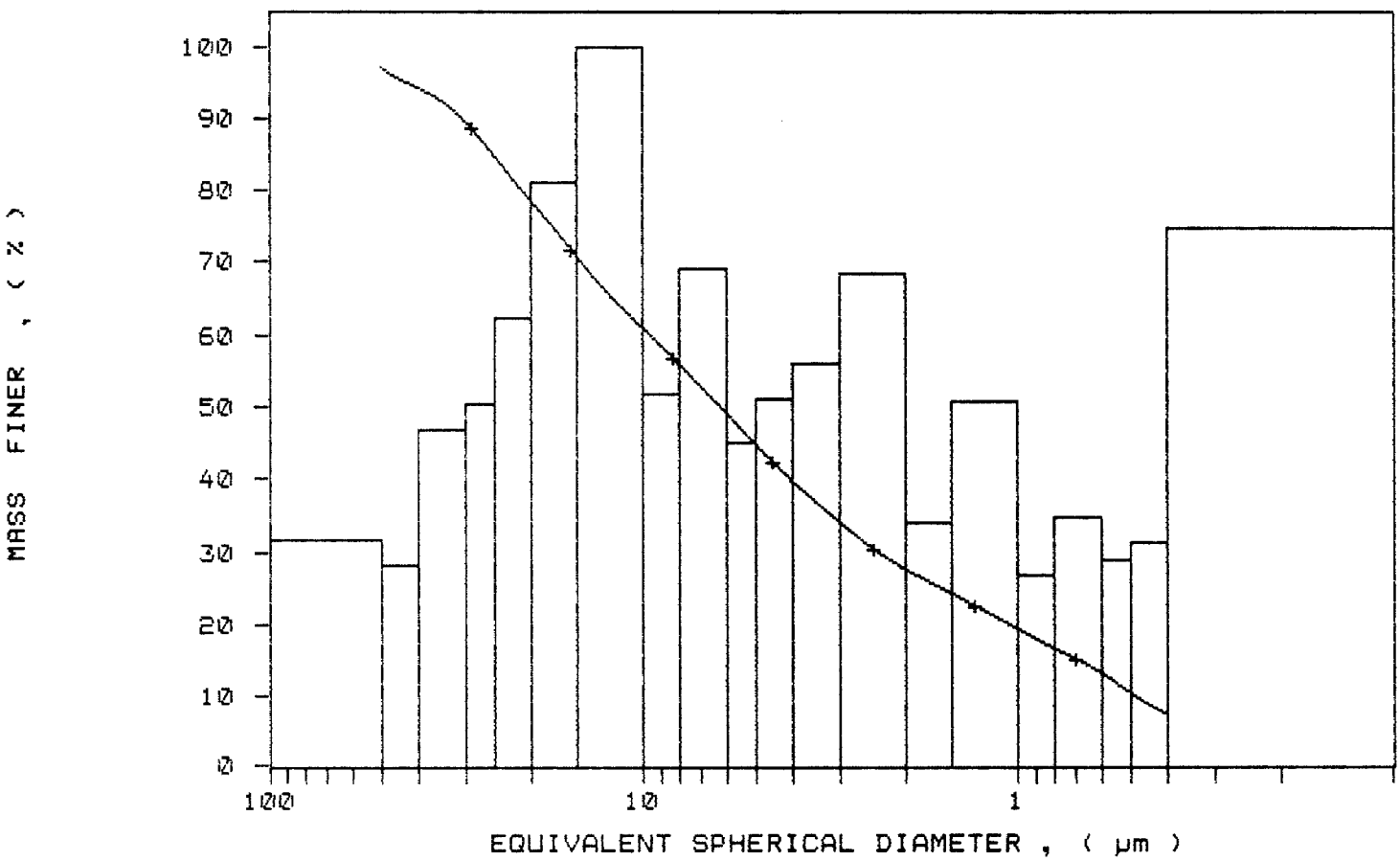
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	96.9	3.1
40.00	94.1	2.8
30.00	89.6	4.6
25.00	84.6	4.9
20.00	78.5	6.1
15.00	70.6	7.9
10.00	60.9	9.7
8.00	55.8	5.1
6.00	49.0	6.8
5.00	44.6	4.4
4.00	39.7	5.0
3.00	34.2	5.5
2.00	27.5	6.7
1.50	24.2	3.4
1.00	19.2	5.0
0.80	16.6	2.6
0.60	13.2	3.4
0.50	10.4	2.8
0.40	7.3	3.1

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /16
SAMPLE ID: Hole 89-9 # 937
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 110 kilocounts/sec

UNIT NUMBER: 1
START 13:32:02 03/24/92
REPRT 13:43:22 03/24/92
TOT RUN TIME 0:07:40
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

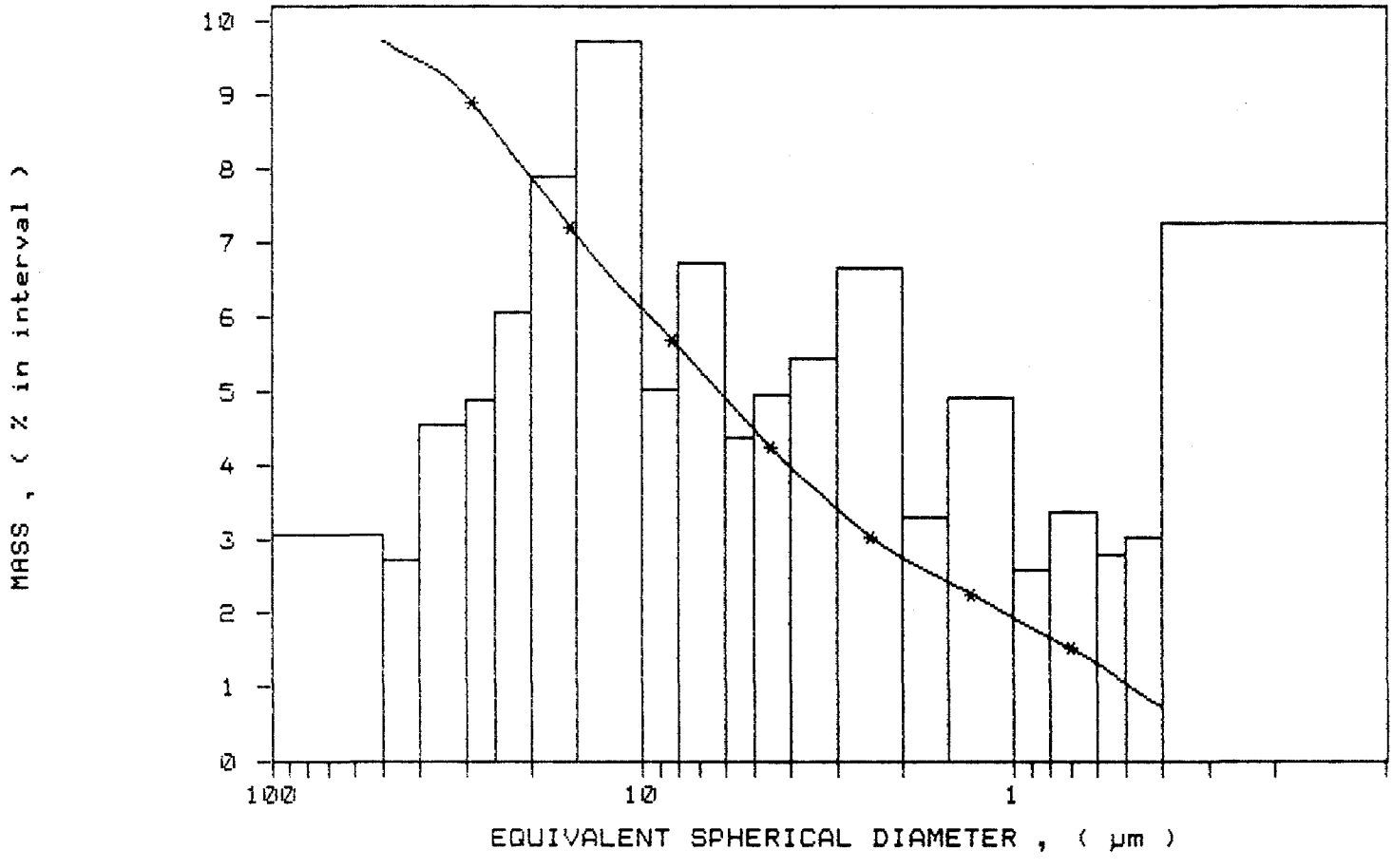
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA7 /16
SAMPLE ID: Hole 89-9 # 937
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 110 kilocounts/sec

UNIT NUMBER: 1
START 13:32:02 03/24/92
REPRT 13:43:22 03/24/92
TOT RUN TIME 0:07:40
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7326 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



[redacted]E DIRECTORY/NUMBER: DATA7 /17
SAMPLE ID: Hole 89-9 # 938
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 104 kilocounts/sec

UNIT NUMBER: 1
START 13:51:32 03/24/92
REPRT 14:02:49 03/24/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.20
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.01 µm

MODAL DIAMETER: 1.38 µm

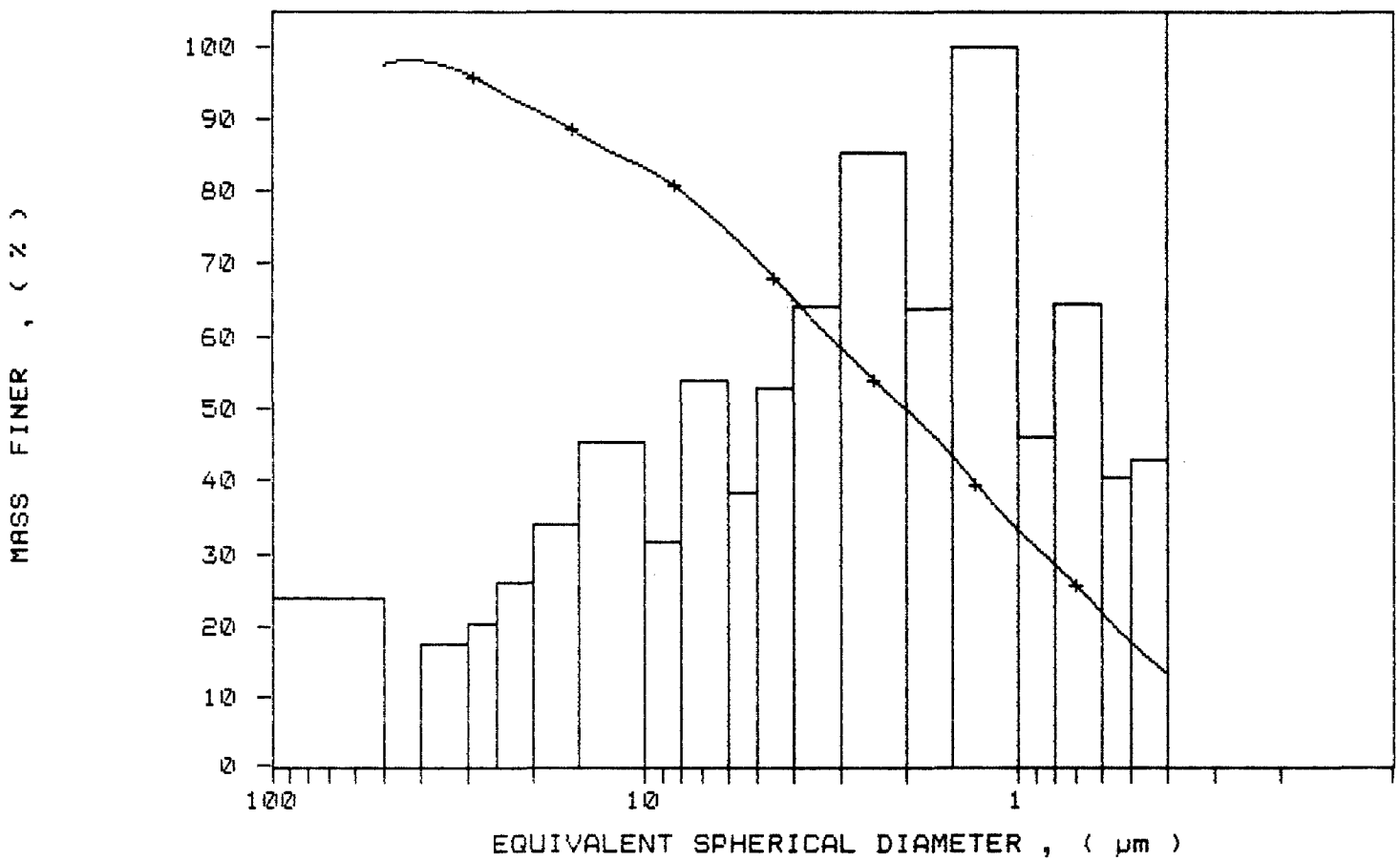
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.5	2.5
40.00	98.0	-0.5
30.00	96.2	1.8
25.00	94.1	2.1
20.00	91.4	2.7
15.00	87.9	3.5
10.00	83.3	4.7
8.00	80.0	3.2
6.00	74.5	5.5
5.00	70.6	3.9
4.00	65.2	5.4
3.00	58.6	6.6
2.00	49.9	8.7
1.50	43.3	6.5
1.00	33.1	10.2
0.80	28.4	4.7
0.60	21.8	6.6
0.50	17.6	4.2
0.40	13.2	4.4

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA7 /17
SAMPLE ID: Hole 89-9 # 938
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 104 kilocounts/sec

UNIT NUMBER: 1
START 13:51:32 03/24/92
REPRT 14:02:49 03/24/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

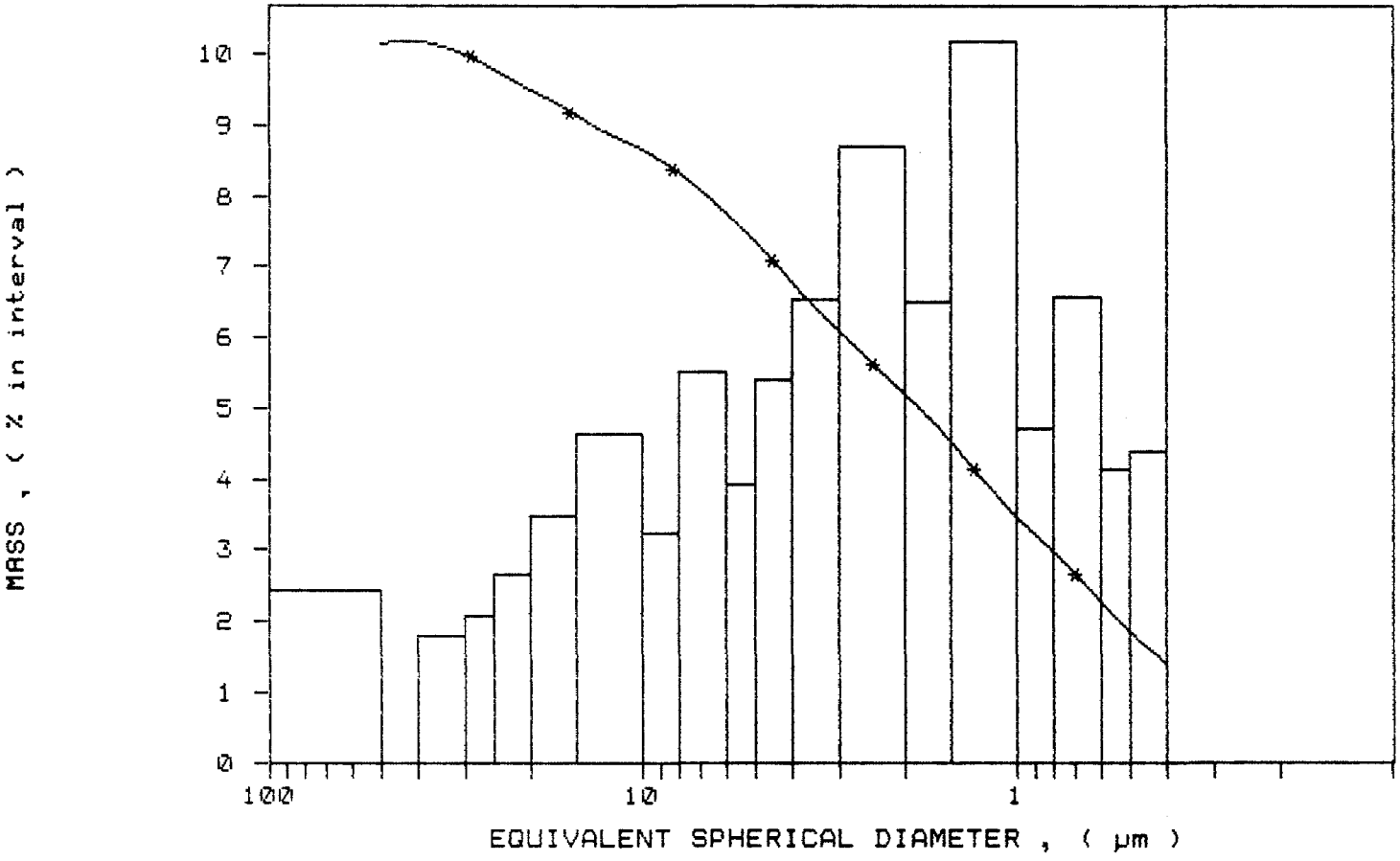
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SOURCE DIRECTORY/NUMBER: DATA7 /17
SAMPLE ID: Hole 89-9 # 938
SUBMITTER: MRC Inc.
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C
BASELINE/FULL SCALE: 128/ 104 kilocounts/sec

UNIT NUMBER: 1
START 13:51:32 03/24/92
REPRT 14:02:49 03/24/92
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7328 cp
RUN TYPE: High Speed

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SONIC DRILL HOLE RECORD

Drilling Started: February 6, 1989
Drilling Finished: February 7, 1989
Drilling Co.: J. R. Drilling
Dip: -90°
Hole Length: 250.0'
Overburden Depth: 95.0'
Claim No.: P 825810
Easting: 5990 E
Northing: 212 S
Property: Kipling

Logged By: A. Casselman
Logged: March 13, 1989
Core Size: 3.5"
Core Storage:
Mineral Research Canada
R. R. # 2
Parry Sound, ON
P2A 2W8
Elevation: 363.0'
Hole Number: 89-26

SUMMARY

From	To	Description	
0.0'	3.0'	Peat	
3.0'	95.0'	Glacial Clay Till & sand units interbedded. Pleistocene - Overburden	
95.0'	110.0'	Kss	Cretaceous
110.0'	133.0'	Clay	
133.0'	135.0'	Sandy Clay	
135.0'	137.0'	Clay	
137.0'	139.0'	Sandy Clay	
139.0'	152.0'	Clay	
152.0'	159.0'	Sandy Clay	
159.0'	167.0'	Clay	
167.0'	217.0'	Kss	
217.0'	231.0'	Sandy Clay	
231.0'	242.0'	Kss	
242.0'	244.5'	Clay	
244.5'	245.0'	Kss	
245.0'	250.0'	Clay	

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
(705) 378-2416
FAX (705) 378-2123
DATE Oct. 14, 1992

EOH - 250.0'

Detail Log 89-26

From	To	Sample No.	Description
0.0'	3.0'		Peat
3.0'	95.0'		Glacial Clay Till & Sand interbedded.
95.0'	100.0'	2051	Kss - coarse grain from 95.0' - 97.0' - frequent kaolin clots and rare sub-rounded pebbles up to 2.0', many vari-coloured silica clasts. Medium grain from 97.0' - 100.0' - banded concentrations of heavies and illite. 7.90% kaolin.
100.0'	105.0'	2052	Kss - as above, rare quartz clasts up to 0.5". 9.29% kaolin.
105.0'	110.0'	2053	Kss - as above, increasing in percentage illite, a very large amount of material for indicated footage. 11.27% kaolin.
110.0'	112.0'	2054	Clay - buff grading to yellow/orange and then to brown at 111.75' the clay is pliable with fine discontinuous laminations that are mottled in appearance, the lower contact is an intermixture to clay and silica grains, possibly as contamination. 66.66% kaolin.
112.0'	114.0'	2055	Clay - medium brown, grading to dark brown, more pliable than the above unit, rare discontinuous laminations of darker material. 69.85% kaolin.
114.0'	118.0'	2056	Clay - as above, continues to darken downwards. 70.25% kaolin.
118.0'	121.0'	2057	Clay - as above, 29.13%.
121.0'	125.0'	2058	Clay - black, fissile to pliable, highly competent, at 122.0' - fossilized wood, very fine laminations. 62.59% kaolin.
125.0'	129.0'	2059	Clay - as above, black , fissile, slightly, greasy feel, rare lighter clots of brown clay with a wispy appearance, very competent, disc-like. 65.65% kaolin.
129.0'	133.0'	2060	Clay - as above, more pliable. 60.81% kaolin.

133.0'	134.0'	2061	Sandy Clay - dark red/brown, discontinuous alternating layers, dewatering structures. 38.63% kaolin.
134.0'	135.0'	2062	Sandy Clay - very fine grain silica, white clay, with rare clasts of 0.25" at lower contact, yellow stain at upper contact, fine laminations of white clay. 36.58% kaolin.
135.0'	137.0'	2063	Clay - white pliable, with very fine grain silica, minor illite, gradational upper contact of 8.0" into buff sandy clay. 59.95% kaolin.
137.0'	139.0'	2064	Sandy Clay - fine laminations of darker brown material in buff coloured clay, the laminations are more continuous than previous, heavies concentrations producing a banded appearance, a layer of yellow staining, minor illite. 41.62% kaolin.
139.0'	140.0'	2065	Clay - pliable, light brown, to grey, fine laminations, slight silica content. 56.91% kaolin.
140.0'	146.0'	2066	Clay - buff, highly competent, disc-like. 73.01% kaolin.
146.0'	152.0'	2067	Clay - as above, 6.0" of lighter brown material, some silica content. 60.66% kaolin.
152.0'	158.0'	2068	Sandy Clay - dark brown, with minor illite, clay seams of 0.5", laminations of black organic material, some of the black material appears fibrous. 31.87% kaolin.
158.0'	159.5'	2069	Sandy Clay - as above. 56.46% kaolin.
159.5'	163.0'	2070	Clay - dark brown, highly competent, disc-like, greasy, grading to black. 76.23% kaolin.
163.0'	164.0'	2071	Clay - dark brown, pliable. 69.32% kaolin.
164.0'	167.0'	2072	Clay - dark brown, grading to black, fissile. 59.11% kaolin.
164.0'	169.0'	2073	Kss - medium gain, minor illite and heavies, with white clay clots. 13.47%

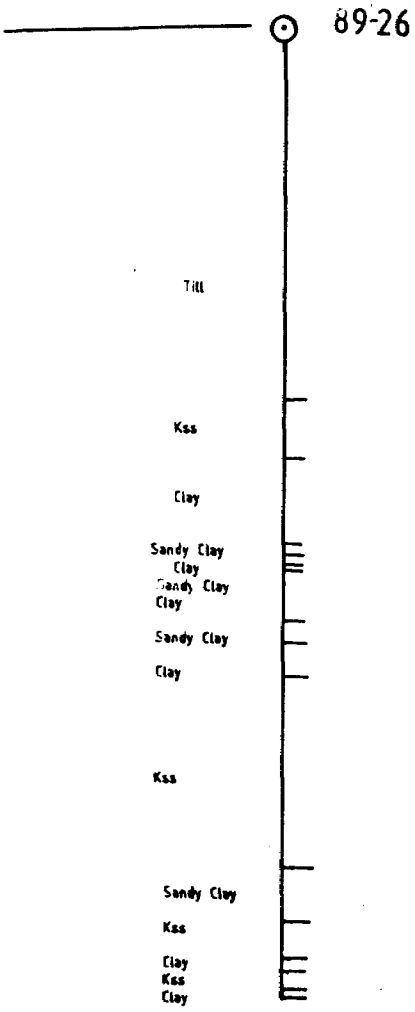
			kaolin.
169.0'	175.0'	2074	Kss - as above. 6.89%
175.0'	181.0'	2075	Kss - as above, medium grain material contacts sharply with coarse at 178.75' - 179.0', clay clots and seams, light grey to white, rare clasts up to 0.5" in coarse portion, minor illite and heavies. 13.14% kaolin.
181.0'	187.0'	2076	Kss - as above, rare clasts up to 1.0". 7.47% kaolin.
187.0'	193.0'	2077	Kss - as above, with 5.0" of small powdery clots of white clay in moist material. 8.51% kaolin.
193.0'	199.0'	2078	Kss - as above, coarse grain, 6.0" band of brown, fine grain, sand at 196.25'. 8.84% kaolin.
199.0'	205.0'	2079	Kss - coarse grain, clasts up to 0.25", white. 7.75% kaolin.
205.0'	210.0'	2080	Kss - interbedded with brown fine grain sand seams, up to 0.25" clasts, purple/blue discontinuous laminations, coarse grain, erratically distributed blebs of purple material. 45.29% kaolin.
210.0'	214.0'	2081	Kss - medium grain, rare clasts up to 0.25", white. 12.03% kaolin.
214.0'	217.0'	2082	Kss - medium grain, with much brown contamination, rare clasts up to 4.0". 10.73% kaolin.
217.0'	219.0'	2083	Sandy Clay - light brown to grey, rare clasts up tO 0.25", clay clots (irregular lighter areas that are silica free). 20.83% kaolin.
219.0'	224.0'	2084	Sandy Clay - as above. 11.37% kaolin.
224.0'	229.0'	2085	Sandy Clay - as above, 15.29% kaolin.
229.0'	231.0'	2086	Sandy Clay - as above, 9.72% kaolin.
231.0'	235.0'	2087	Kss - extremely coarse grain, with clots of brown clay. 8.03% kaolin.
235.0'	240.0'	2088	Kss - as above. 8.13% kaolin.

240.0'	242.0'	2089	Kss - as above, except for black contamination (high organic content), fossilized wood at 242.0'. 10.0% kaolin.
242.0'	244.5'	2090	Clay - dark brown, grading form pliable to fissile. 67.44% kaolin.
244.5'	245.0'	2091	Kss - as at 240.0' - 242.0'. 24.66% kaolin.
245.0'	249.0'	2092	Clay - medium brown, very competent, disc-like. 57.47% kaolin.
249.0'	250.0'	2093	Clay - black, fissile, competent, with a silty upper contact. 61.44% kaolin.

EOH - 250.0'

SECTION 89-26

Hole Length: 250.0'
Claim No.: P 825810
Overburden Depth: 95.0'
Dip Collar: -90°
Northing: 212 S
Easting: 5990 E
Scale: 1.0" = 50.0'


89-26
Till
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Clay
Sandy Clay
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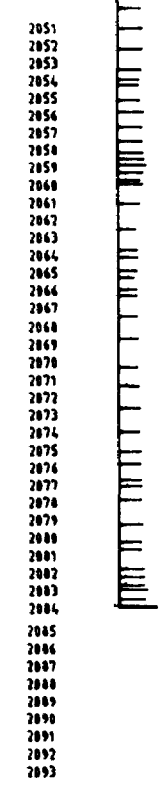
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MINERAL RESEARCH CANADA

TEL:(705) 378-2416
FAX:(705) 378-5123

1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
Hole 89-26 2051	+ 4	0	10.7	
	+ 40	49.9		
	+100	29.6		
	+200	2.6		
	+325	1.4		
	-325	16.5		
2052	+ 4	4.2	12.3	
	+ 40	42.9		
	+100	15.3		
	+200	6.5		
	+325	5.1		
	-325	26.0		
2053	+ 4	2.9	6.3	
	+ 40	57.6		
	+100	16.2		
	+200	3.6		
	+325	2.5		
	-325	17.2		
2054	+ 4	0	19.9	
	+ 40	1.5		
	+100	2.6		
	+200	4.4		
	+325	5.1		
	-325	86.4		
2055	+ 4	0		
	+ 40	23.0		
	+100	9.9		
	+200	9.3		
	+325	4.1		
	-325	53.7		

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE 89,12,4

MINERAL RESEARCH CANADA

TEL:(705) 378-5414
FAX:(705) 378-5125

1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
Hole 89-26	+ 4	&		
	+ 40	&		
	+100	1.7	21.7	
	+200	0.5		
2056	+325	1.8		
	-325	96.0		
	+ 4	0.6		
	+ 40	2.5		
	+100	0.8	18.8	
	+200	3.0		
2057	+325	7.9		
	-325	85.2		
	+ 4	&		
	+ 40	0.3		
	+100	6.1	13.6	
	+200	11.1		
2058	+325	7.5		
	-325	75.0		
	+ 4	0.1		
	+ 40	2.1		
	+100	4.2	21.9	
	+200	7.9		
2059	+325	4.7		
	-325	81.0		
	+ 4	&		
	+ 40	0.7		
	+100	10.8		
	+200	13.1		
2060	+325	10.2		
	-325	65.2		

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-5416
DATE

MINERAL RESEARCH CANADA

TEL:(705) 378-2416
FAX:(705) 378-5123

1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
Hole 89-26	+ 4	3.8		
	+ 40	55.2		
	+100	7.1		
	+200	2.7	13.6	
2061	+325	1.6		
	-325	29.6		
	+ 4	0		
	+ 40	6.6		
	+100	11.7		
2062	+200	10.4	19.3	
	+325	5.2		
	-325	66.1		
	+ 4	0		
	+ 40	0.4		
	+100	5.7		
2063	+200	9.3	22.5	
	+325	11.1		
	-325	73.5		
	+ 4	0		
	+ 40	0.6		
	+100	12.8		
2064	+200	26.5	15.6	
	+325	7.0		
	-325	53.1		
	+ 4	0		
	+ 40	12.4		
	+100	4.9		
2065	+200	3.3		
	+325	3.8		
	-325	75.6		

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123
PH (705) 378-2416
DATE 89.9.7

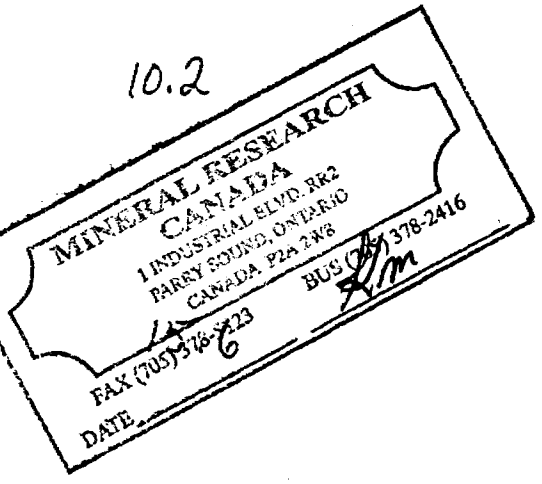
MINERAL RESEARCH CANADA

TEL:(705) 378-2416
FAX:(705) 378-5123

1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
Hole 89-26	+ 4	0		
	+ 40	0		
	+100	0.1	13.0	
	+200	3.4		
2066	+325	13.6		
	-325	82.9		
	+ 4	0		
	+ 40	0.1		
	+100	1.4	18.9	
	+200	8.9		
2067	+325	4.6		
	-325	85.0		
	+ 4	0		
	+ 40	2.7		
	+100	55.7		
	+200	7.3	14.9	
2068	+325	3.3		
	-325	31.0		
	+ 4	7.9		
	+ 40	30.8		
	+100	18.4	10.2	
	+200	6.2		
2069	+325	4.3		
	-325	32.4		
	+ 4	0		
	+ 40	1.3		
	+100	7.0		
	+200	16.1		
2070	+325	10.4		
	-325	65.2		



MINERAL RESEARCH CANADA
TEL:(705) 378-2416
FAX:(705) 378-5123
1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
Hole 89-26	+ 4	0		
	+ 40	0.1		
	+100	0.7	14.8	
2071	+200	9.3		
	+325	14.9		
	-325	75.0		
	+ 4	0		
	+ 40	4.8		
	+100	5.3	17.7	
2072	+200	6.7		
	+325	5.4		
	-325	77.8		
	+ 4	0		
	+ 40	22.7		
	+100	53.0	13.5	
2073	+200	5.5		
	+325	3.0		
	-325	15.8		
	+ 4	0		
	+ 40	63.6		
	+100	24.9	10.6	
2074	+200	0.6		
	+325	3.5		
	-325	7.4		
	+ 4	0.2		
	+ 40	75.6		
	+100	4.1		
2075	+200	2.0		
	+325	0.9		
	-325	7.2		

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
BUS (705) 378-2416
FAX (705) 378-5123
DATE

MINERAL RESEARCH CANADA

TEL: (705) 378-2416
FAX: (705) 378-5123

1 INDUSTRIAL BLVD., RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
Hole 89-26	+ 4	0.2		
	+ 40	75.6		
	+100	10.6	9.0	
2076	+200	2.8		
	+325	1.6		
	-325	9.2		
	+ 4	0.1		
	+ 40	84.3		
	+100	5.9	10.7	
2077	+200	1.7		
	+325	0.7		
	-325	7.3		
	+ 4	0.5		
	+ 40	75.1		
	+100	8.9	6.0	
2078	+200	2.1		
	+325	1.1		
	-325	12.3		
	+ 4	3.4		
	+ 40	57.5		
	+100	13.5	10.1	
2079	+200	3.4		
	+325	1.9		
	-325	20.3		
	+ 4	0.6		
	+ 40	77.8		
	+100	6.2		
2080	+200	2.0		
	+325	1.0		
	-325	12.4		

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

MINERAL RESEARCH CANADA

TEL: (705) 378-2416
FAX: (705) 378-5123

1 INDUSTRIAL BLVD., RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
Hole 89-26	+ 4	0.4		
	+ 40	75.2		
	+100	9.5		
2081	+200	2.8	9.0	
	+325	1.4		
	-325	10.7		
	+ 4	0.2		
	+ 40	70.5		
	+100	13.3		
2082	+200	2.6	10.2	
	+325	1.1		
	-325	12.3		
	+ 4	11.4		
	+ 40	45.6		
	+100	17.6	7.9	
2083	+200	7.5		
	+325	2.9		
	-325	14.0		
	+ 4	0		
	+ 40	0.2		
	+100	22.0	15.5	
2084	+200	19.8		
	+325	7.7		
	-325	50.3		
	+ 4	0		
	+ 40	0.1		
	+100	13.5		
2085	+200	20.7		
	+325	6.8		
	-325	59.0		

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123
BUS (705) 378-2416
DATE

MINERAL RESEARCH CANADA

TEL:(705) 378-2416
FAX:(705) 378-5123

1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
Hole 89-26	+ 4	0		
	+ 40	0.1		
	+100	21.3		
2086	+200	25.6	13.7	
	+325	7.2		
	-325	45.8		
	+ 4	3.4		
	+ 40	53.5		
	+100	12.5	10.6	
2087	+200	8.4		
	+325	4.9		
	-325	20.3		
	+ 4	7.9		
	+ 40	68.1		
	+100	6.8		
2088	+200	2.1	9.0	
	+325	1.9		
	-325	13.2		
	+ 4	4.4		
	+ 40	70.0		
	+100	8.2		
2089	+200	2.9	7.1	
	+325	1.8		
	-325	12.7		
	+ 4	0		
	+ 40	8.9		
	+100	3.0		
2090	+200	15.8	8.7	
	+325	7.0		
	-325	65.3		

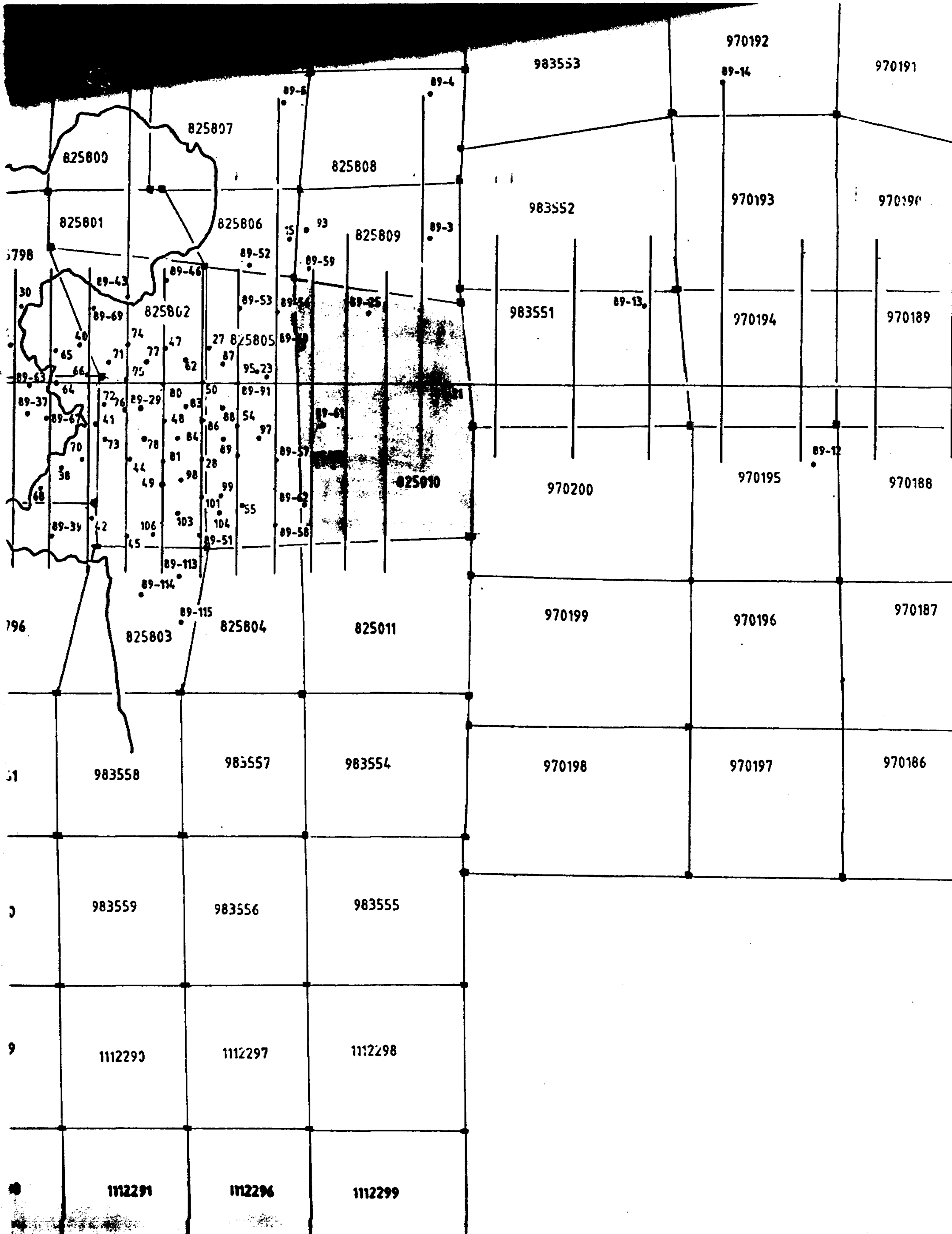
MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE 16/7/89

MINERAL RESEARCH CANADA
TEL:(705) 378-2416
FAX:(705) 378-5123
1 INDUSTRIAL BLVD.,RR2
PARRY SOUND, ON. CANADA
P2A 2W8

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
Hole 89-26	+ 4	13.8		
	+ 40	53.4		
	+100	15.3	6.5	
	+200	2.7		
2091	+325	1.7		
	-325	13.1		
	+ 4	ø		
	+ 40	0.1		
	+100	6.3	28.1	
2092	+200	23.5		
	+325	12.0		
	-325	58.1		
	+ 4	ø		
	+ 40	ø		
	+100	0.1	15.7	
2093	+200	2.1		
	+325	7.7		
	-325	90.1		
	+ 4			
	+ 40			
	+100			
	+200			
	+325			
	-325			
	+ 4			
	+ 40			
	+100			
	+200			
	+325			
	-325			

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123
BUS (705) 378-2416
DATE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970191
89-14
89-4
89-8
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825800
825808
983552
970193
970190
825801
825806
825809
89-3
5798
89-52
89-59
89-46
89-43
89-53
89-54
89-25
89-13
983551
970194
970189
825802
89-69
825805
89-37
89-63
89-67
89-29
89-91
89-61
89-57
89-12
825010
970200
970195
970188
89-39
89-62
89-58
89-51
89-113
89-114
89-115
796
825803
825804
825011
970199
970196
970187
983558
983557
983554
970198
970197
970186
983559
983556
983555
1112290
1112297
1112298
1112291
1112296
1112299

Clay

Sedigraph 5100 V2.03 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /274
SAMPLE ID: Hole 89-25 # 2051
SUBMITTER: # 29
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:31:28 11/06/90
REPRT 11:36:25 08/29/91
TOT RUN TIME 0:06:48
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.19 µm MODAL DIAMETER: 0.40 µm

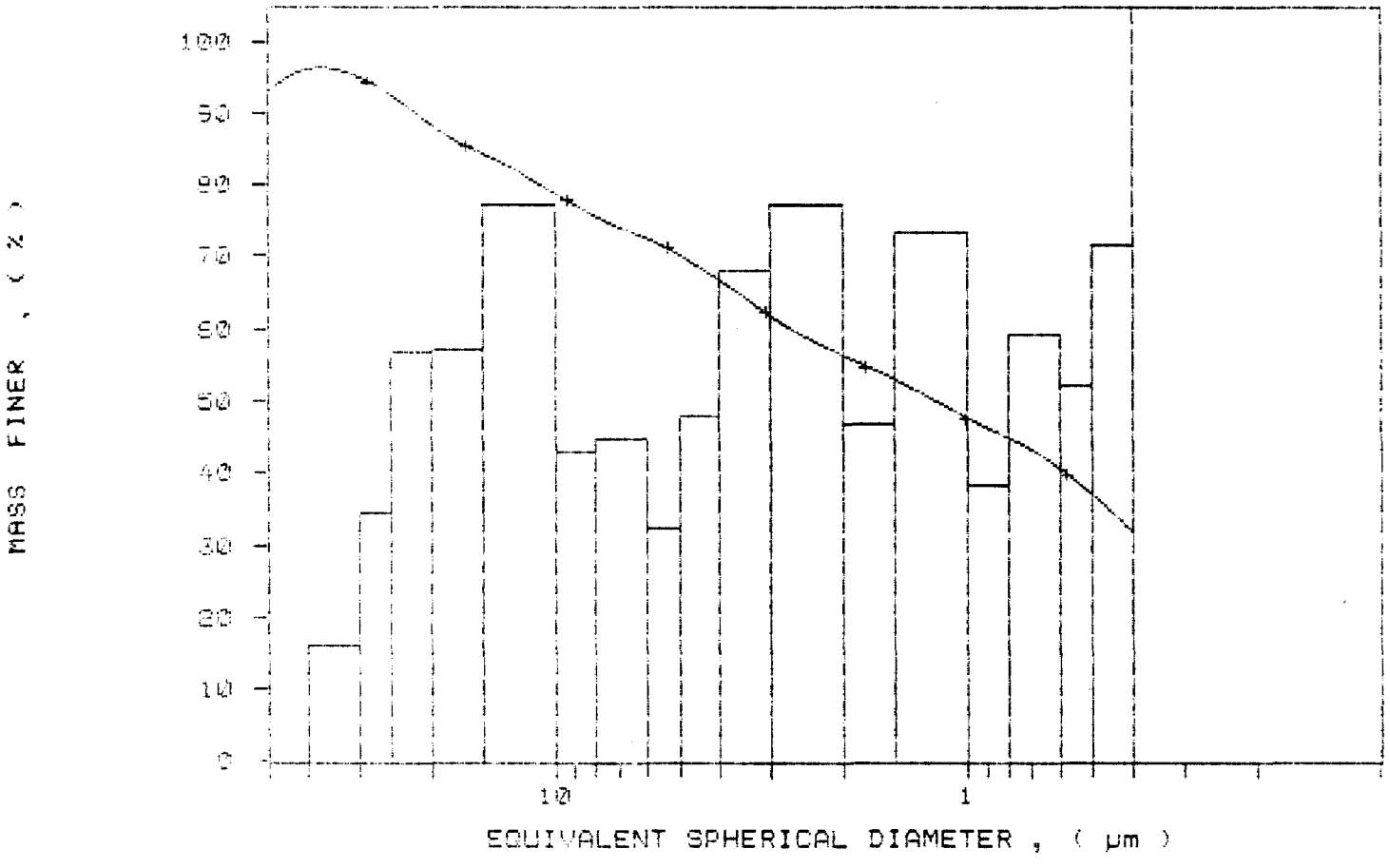
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	92.9	7.1
40.00	96.1	-3.2
30.00	94.9	1.2
25.00	92.4	2.5
20.00	88.4	4.1
15.00	84.3	4.1
10.00	78.7	5.5
8.00	75.7	3.1
6.00	72.5	3.2
5.00	70.1	2.3
4.00	66.7	3.4
3.00	61.8	4.9
2.00	56.3	5.5
1.50	52.9	3.4
1.00	47.7	5.3
0.80	44.9	2.7
0.60	40.7	4.2
0.50	36.9	3.7
0.40	31.8	5.1

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P0A 2W0
FAX (705) 378-2123 BUS (705) 378-2416
DATE L. Malmström

SAMPLE DIRECTORY/NUMBER: DATA8 /274
SAMPLE ID: Hole 89-66 # 2051
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:31:28 11/06/90
REPRT 11:36:25 03/29/91
TOT RUN TIME 0:06:43
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

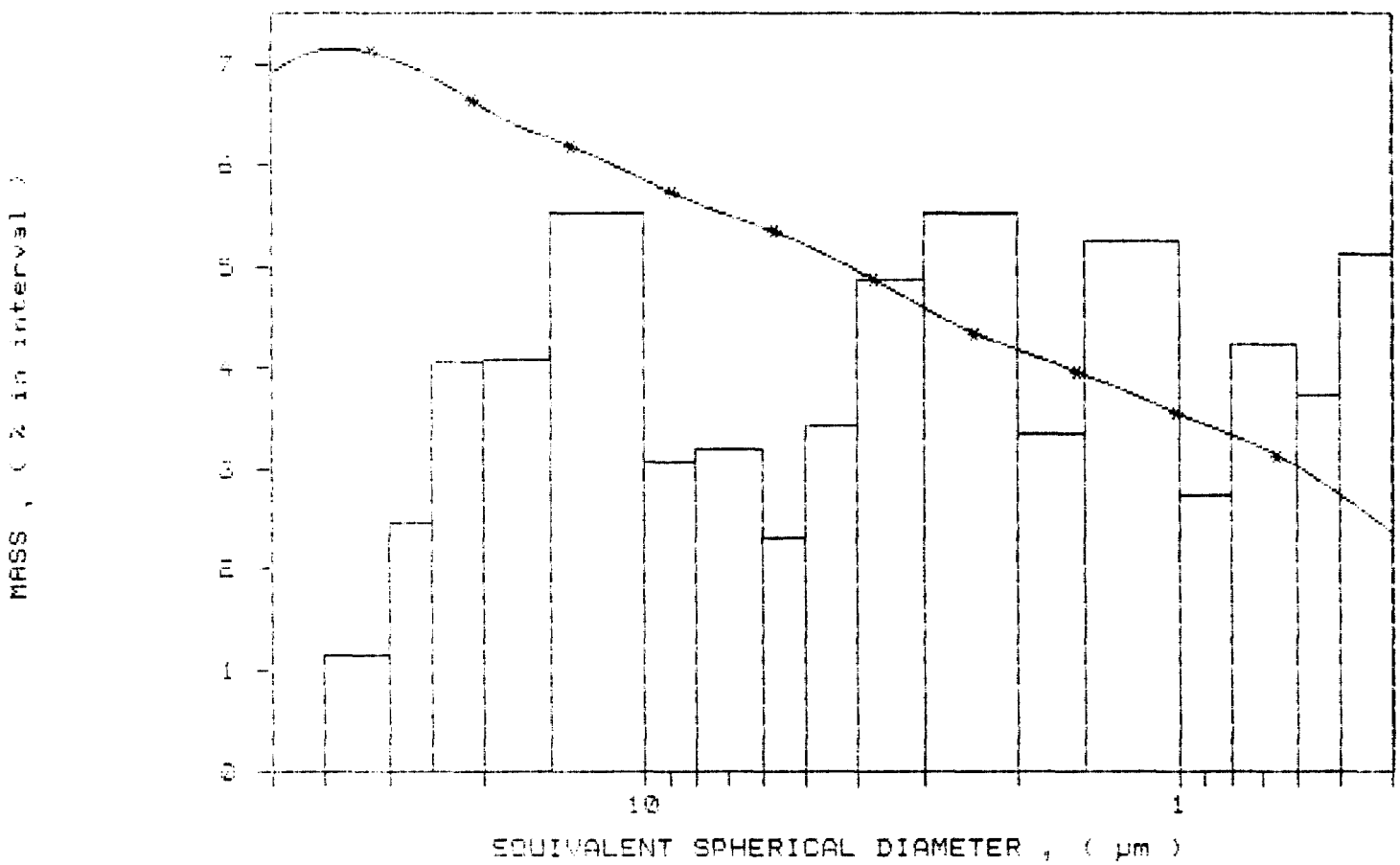
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA2 /274
SAMPLE ID: Hole 89-26 # 2051
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:31:28 11/06/90
REPRT 11:36:25 08/29/91
TOT RUN TIME 0:06:43
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SediGraph 5100 V2.05

Clay

SAMPLE DIRECTORY/NUMBER: DATA3 /275
SAMPLE ID: note 09-26 # 2052
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.1 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:08:43 11/06/90
REPRT 11:43:49 08/29/91
TOT RUN TIME 0:07:10
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7272 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.34 µm

MODAL DIAMETER: 0.40 µm

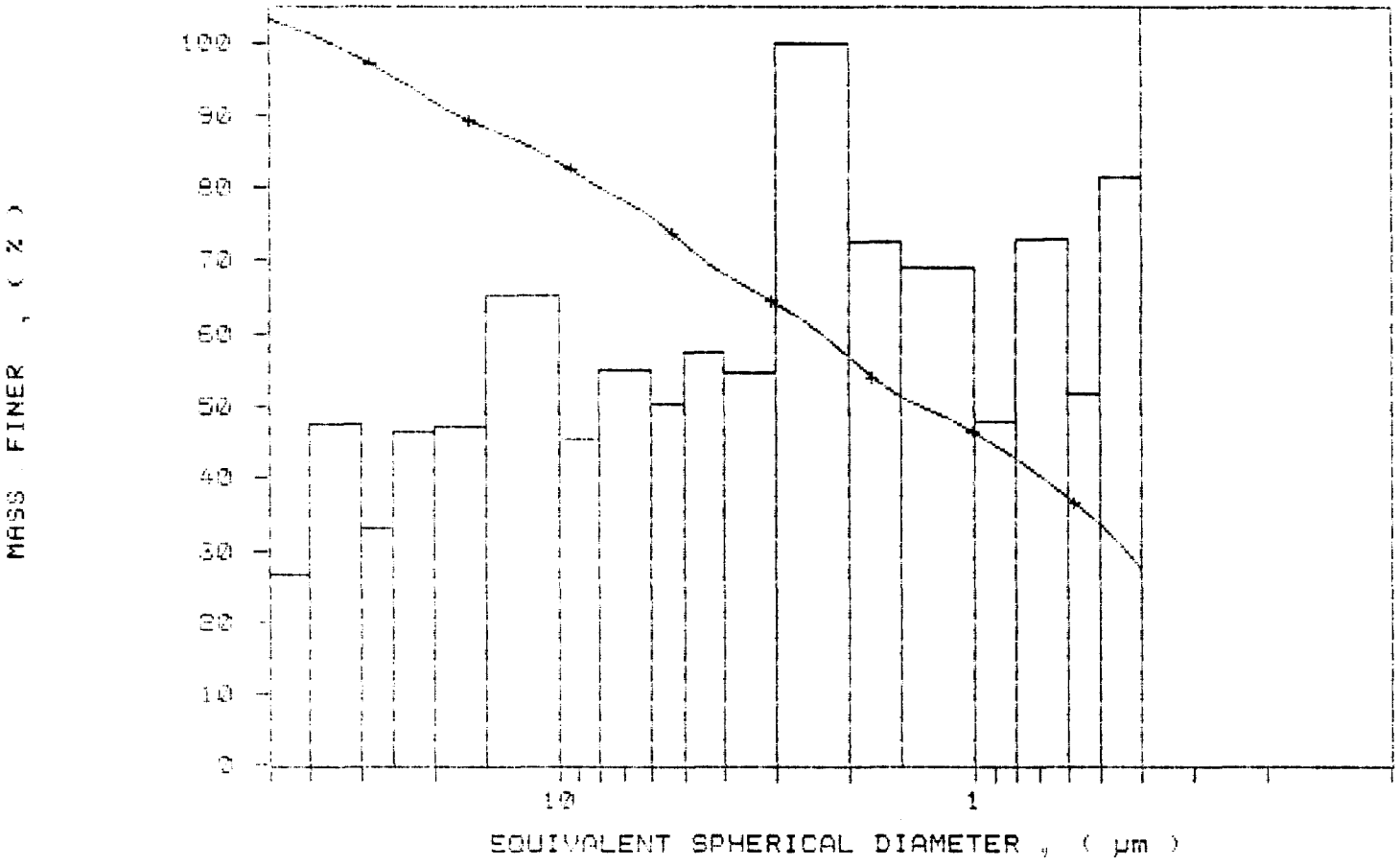
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	103.1	-3.1
40.00	101.2	2.0
30.00	97.7	3.5
25.00	93.2	4.4
20.00	91.8	3.4
15.00	88.3	3.5
10.00	83.5	4.8
8.00	80.1	3.4
6.00	76.1	4.1
5.00	72.3	3.7
4.00	68.1	4.2
3.00	64.1	4.0
2.00	56.7	7.4
1.50	51.4	5.4
1.00	46.3	5.1
0.80	42.7	3.5
0.60	37.3	5.4
0.50	33.5	3.8
0.40	27.5	6.0

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P1A 2W9
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /275
SAMPLE ID: Hole 89-26 # 2052
SUBMITTER: # 59
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:08:43 11/06/90
REPRT 11:48:49 08/29/91
TOT RUN TIME 0:07:10
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7272 cp

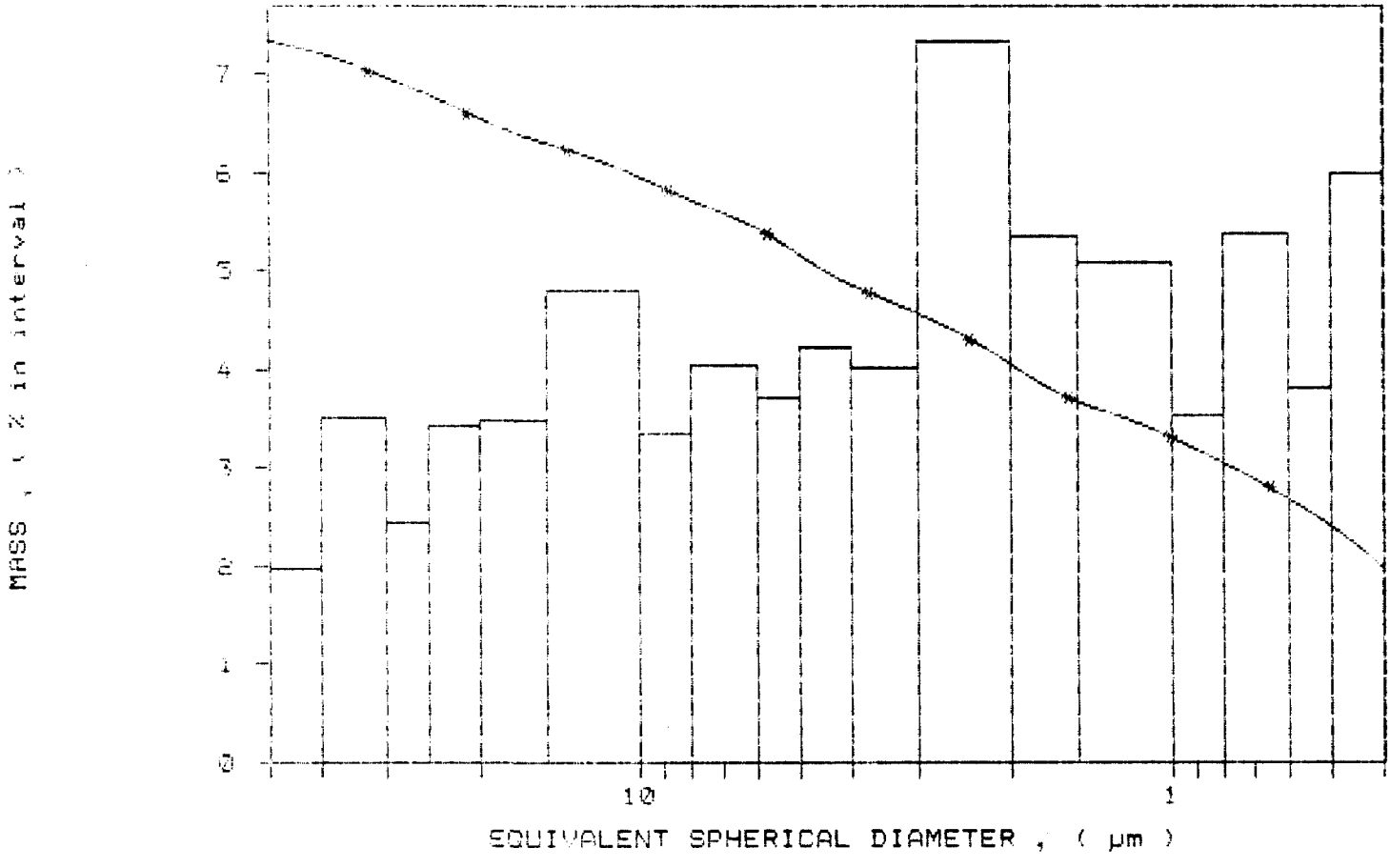
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /275
SAMPLE ID: Hole 89-26 # 2052
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:08:43 11/06/90
REPRT 11:43:49 08/29/91
TOT RUN TIME 0:07:10
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7272 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SediGraph 5100 V2.03

SAMPLE DIRECTORY/NUMBER: DATA5 /276
SAMPLE ID: Hole 89-26 # 2055
SUBMITTER: # 29
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:51:48 11/06/90
REPRT 11:51:15 08/29/91
TOT RUN TIME 0:06:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7272 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.54 µm

MODAL DIAMETER: 0.95 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.3	2.7
40.00	96.9	0.5
30.00	92.8	4.1
25.00	89.7	3.1
20.00	85.3	4.4
15.00	79.7	5.5
10.00	73.5	6.2
9.00	68.7	4.9
8.00	64.5	5.2
7.00	61.2	3.3
6.00	57.3	3.9
5.00	52.6	4.8
4.00	46.2	6.4
3.00	41.2	5.0
2.00	33.1	8.1
1.50	28.5	4.6
1.00	23.5	4.8
0.60	20.1	3.4
0.50	15.6	4.5
0.40		

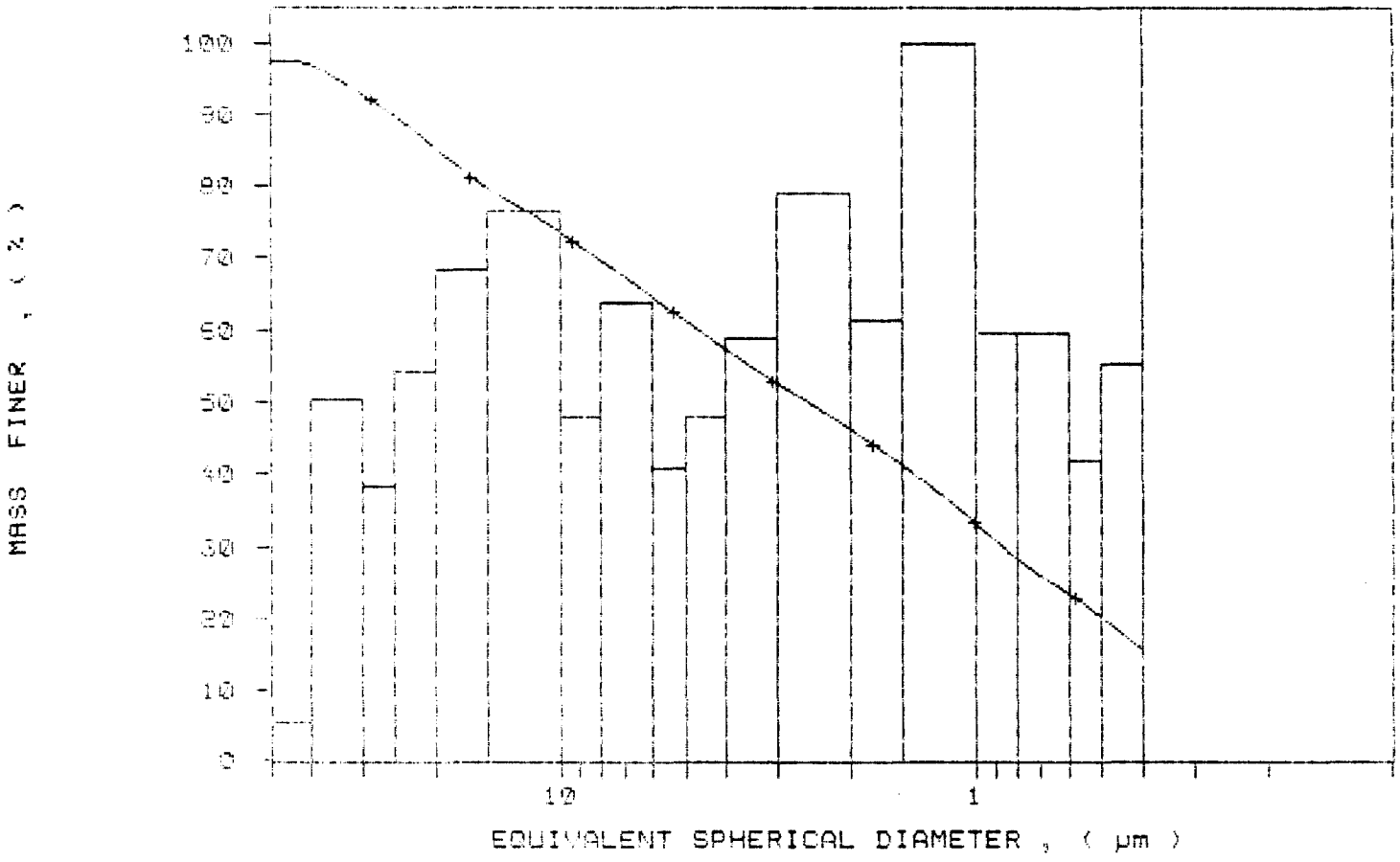
MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 PH (705) 378-2416

DATE KM

SAMPLE DIRECTORY/NUMBER: DATA3 /276
SAMPLE ID: Hole 89-26 # 2053
SUBMITTER: # 3
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:51:48 11/06/90
REPRT 11:51:15 08/29/91
TOT RUN TIME 0:06:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7272 cp

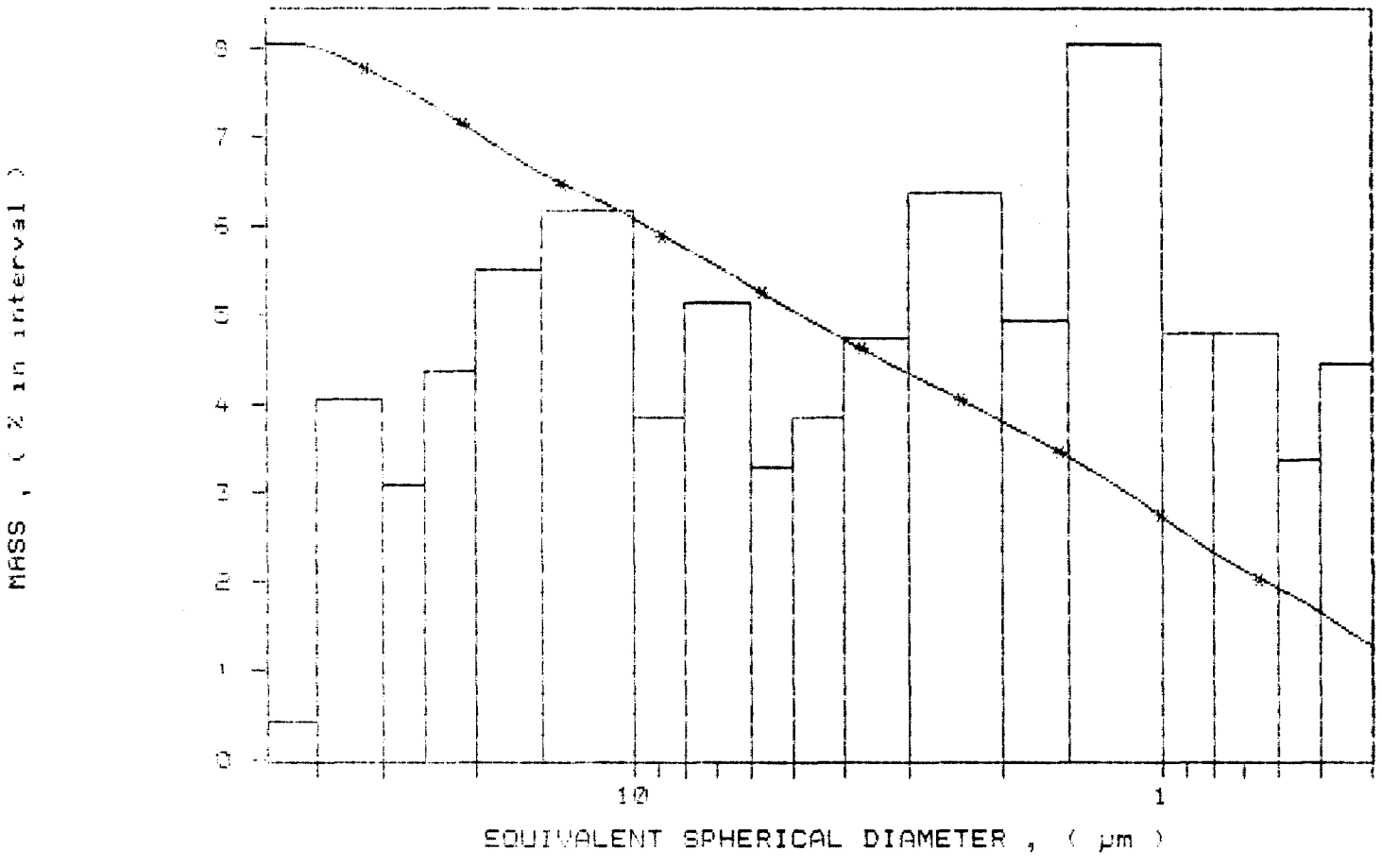
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /276
SAMPLE ID: Hole 89-26 # 2053
SUBMITTER: # 35
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:51:48 11/06/90
REPRT 11:51:15 08/29/91
TOT RUN TIME 0:06:57
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7272 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /277
SAMPLE ID: Note 89-26 # 2054
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 15:39:57 11/06/90
REPRT 11:58:41 08/29/91
TOT RUN TIME 0:06:40
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.45 µm MODAL DIAMETER: 0.40 µm

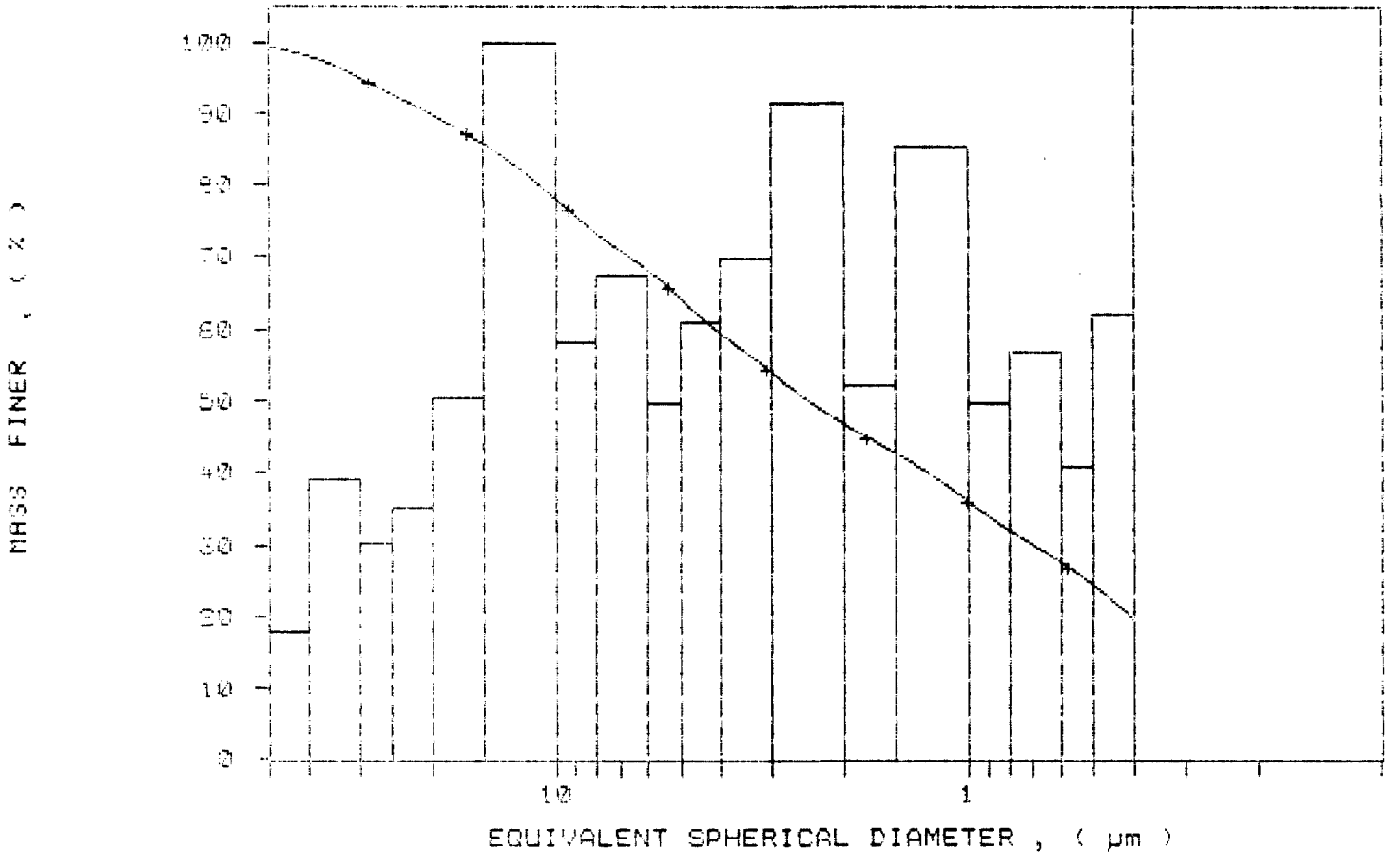
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.4	0.6
40.00	98.0	1.4
30.00	94.9	3.1
25.00	92.5	2.4
20.00	89.7	2.8
15.00	85.8	4.0
10.00	77.9	7.8
8.00	73.4	4.6
6.00	68.1	5.3
5.00	64.2	3.9
4.00	59.4	4.8
3.00	53.9	5.5
2.00	46.7	7.2
1.50	42.6	4.1
1.00	35.9	6.7
0.80	32.0	3.9
0.60	27.5	4.5
0.50	24.3	3.2
0.40	19.5	4.9

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /277
SAMPLE ID: Hole 89-26 # 2054
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 15:39:57 11/06/90
REPRT 11:58:41 03/29/91
TOT RUN TIME 0:06:40
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp

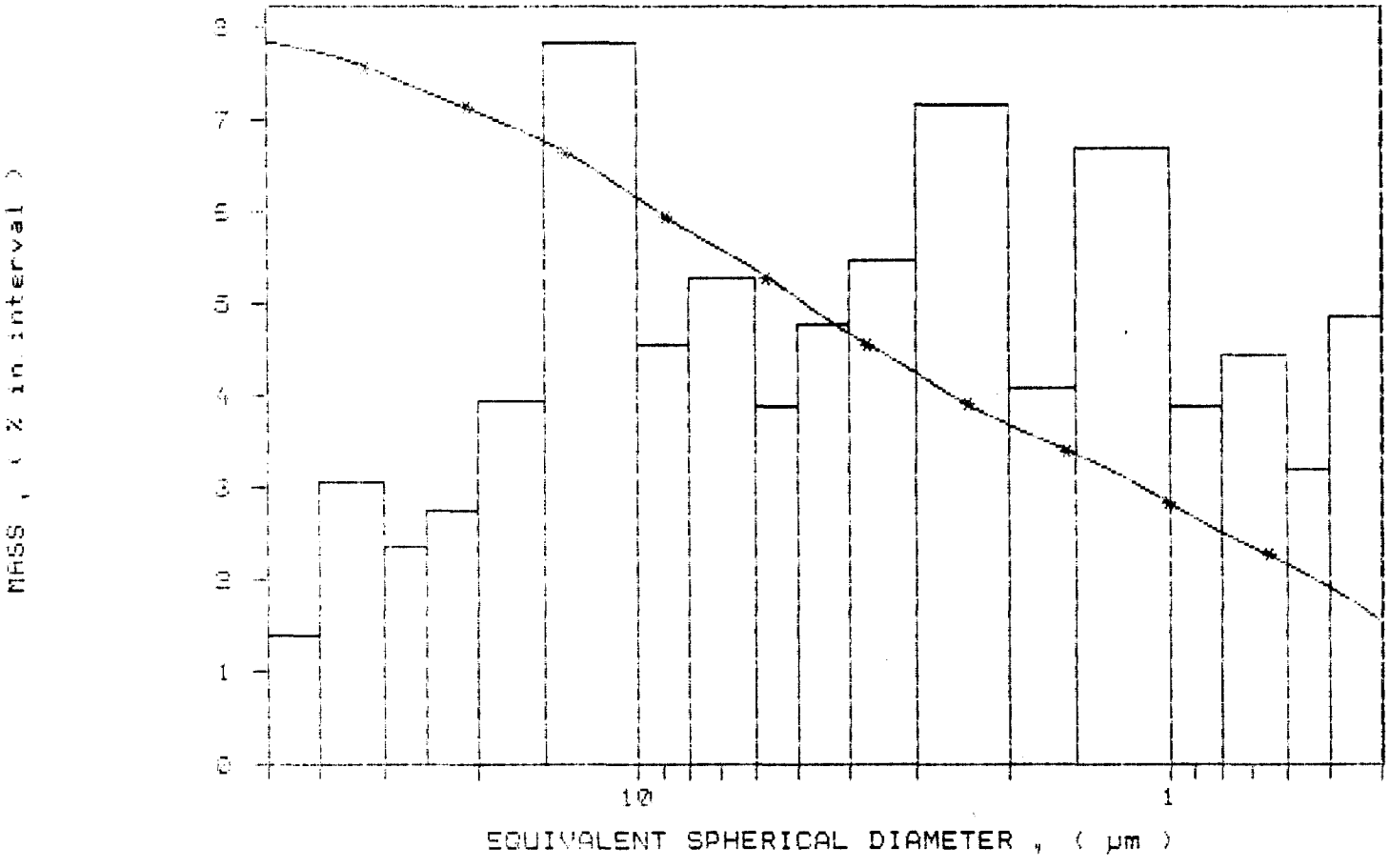
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /277
SAMPLE ID: Hole 89-26 # 2054
SUBMITTER: # 30
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 15:39:57 11/06/90
REPRT 11:58:41 08/29/91
TOT RUN TIME 0:06:40
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /287
SAMPLE ID: Hole 89-26 # 2055
SUBMITTER: # 5
OPERATOR: RM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:28:39 11/08/90
REPRT 12:06:07 08/29/91
TOT RUN TIME 0:06:47
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 0.77 µm MODAL DIAMETER: 0.40 µm

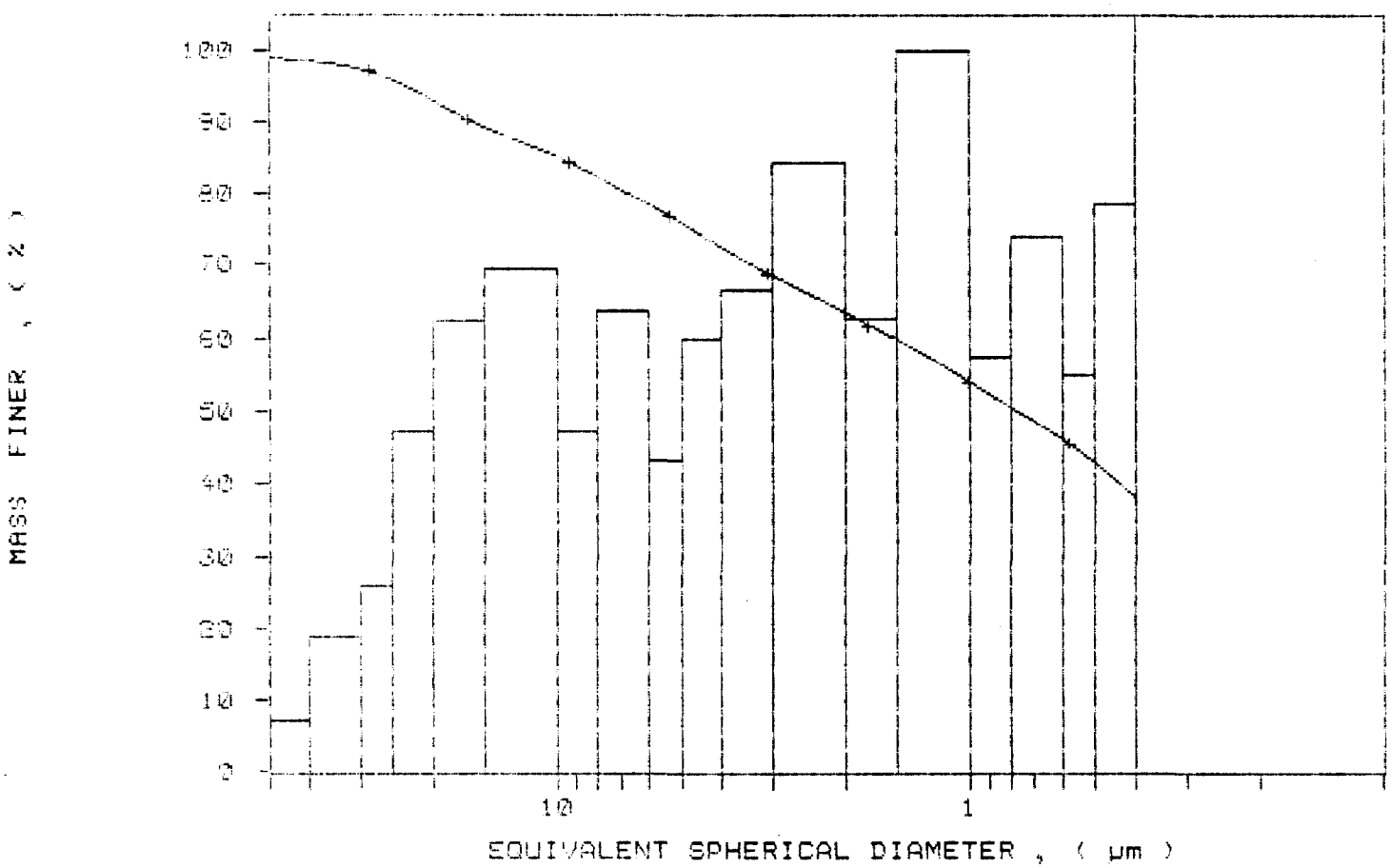
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.8	1.2
40.00	98.4	0.4
30.00	97.2	1.1
25.00	95.7	1.5
20.00	92.9	2.8
15.00	89.2	3.7
10.00	85.1	4.1
8.00	82.3	2.8
6.00	78.5	3.8
5.00	76.0	2.6
4.00	72.4	3.5
3.00	68.5	3.9
2.00	63.5	5.0
1.50	59.8	3.7
1.00	53.9	5.9
0.80	50.5	3.4
0.60	46.2	4.4
0.50	42.9	3.3
0.40	38.3	4.7

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
P2A 2W7
FAX (705) 378-[illegible] (705) 378-2416
DATE [illegible] LM

SAMPLE DIRECTORY/NUMBER: DATA5 /267
SAMPLE ID: Hole 89-26 # 2055
SUBMITTER: # 39
OPERATOR: RM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:28:39 11/08/90
REPRT 12:06:07 08/29/91
TOT RUN TIME 0:06:47
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

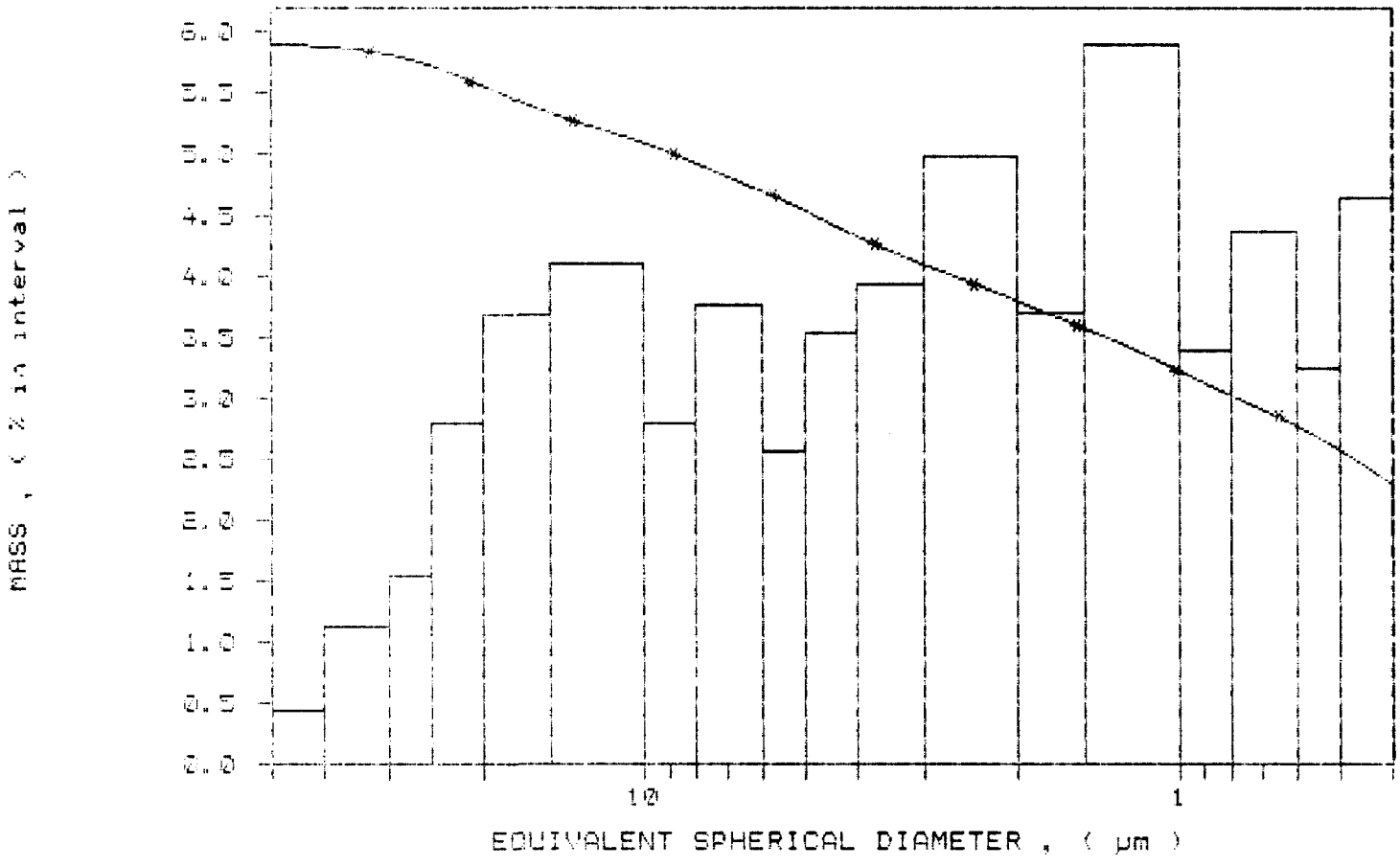
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /287
SAMPLE ID: Note 89-26 # 2055
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:28:39 11/08/90
REPRT 12:06:07 08/29/91
TOT RUN TIME 0:06:47
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

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SAMPLE DIRECTORY/NUMBER: DATA5 /290
SAMPLE ID: Hole 89-26 # 2056
SUBMITTER: # 89
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:05:57 11/08/90
REPRT 12:13:34 08/29/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 0.80 µm MODAL DIAMETER: 0.40 µm

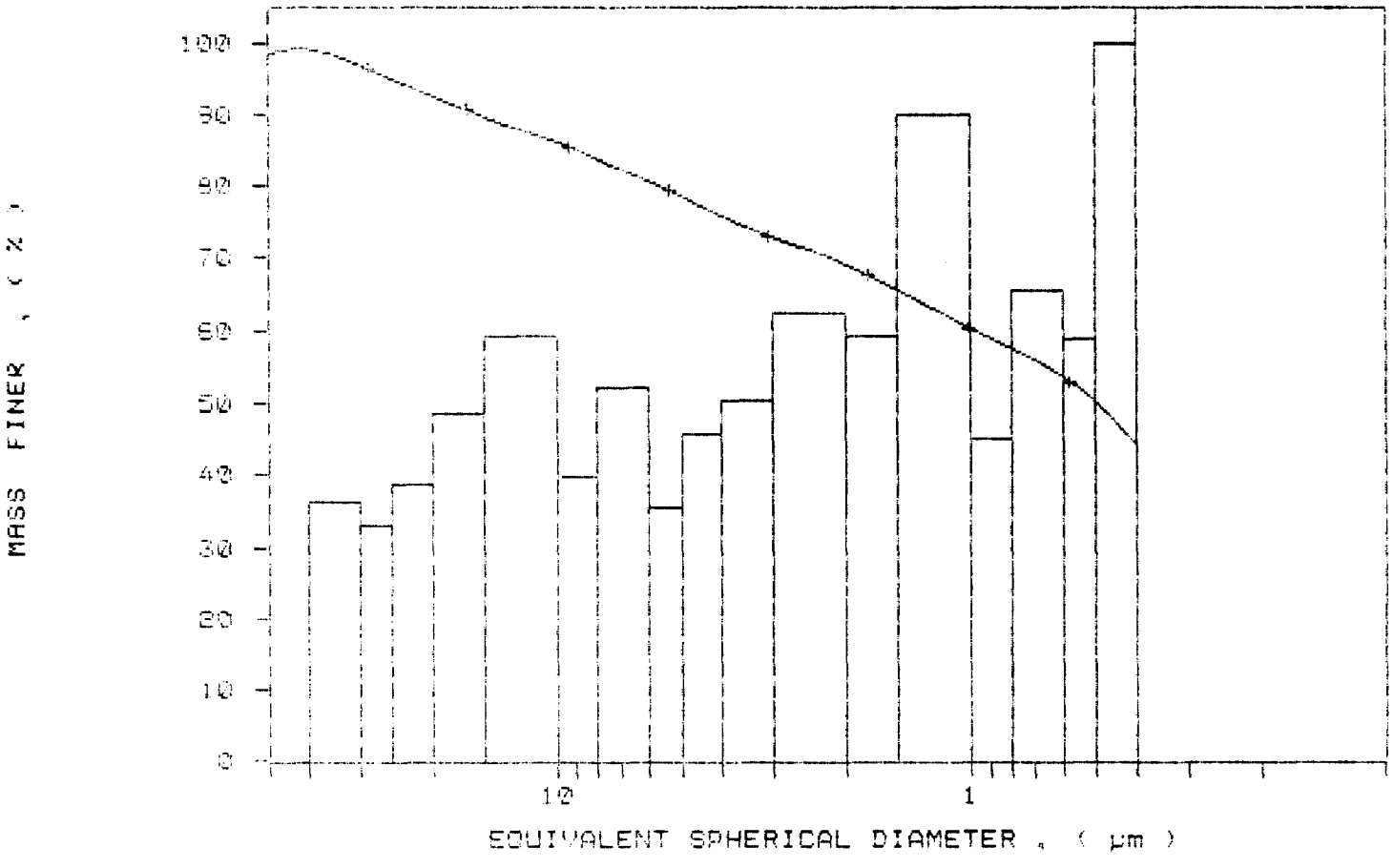
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.4	1.6
40.00	99.0	-0.6
30.00	96.8	2.2
25.00	94.9	2.0
20.00	92.5	2.3
15.00	89.6	2.9
10.00	86.1	3.5
8.00	83.8	2.4
6.00	80.7	3.1
5.00	78.5	2.1
4.00	75.8	2.7
3.00	72.8	3.0
2.00	69.1	3.7
1.50	65.6	3.5
1.00	60.2	5.4
0.80	57.6	2.7
0.60	53.6	3.9
0.50	50.1	3.5
0.40	44.2	5.9

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2WS
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /290
SAMPLE ID: Hole 39-26 # 20cc
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:05:57 11/08/90
REPRT 12:13:34 08/29/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

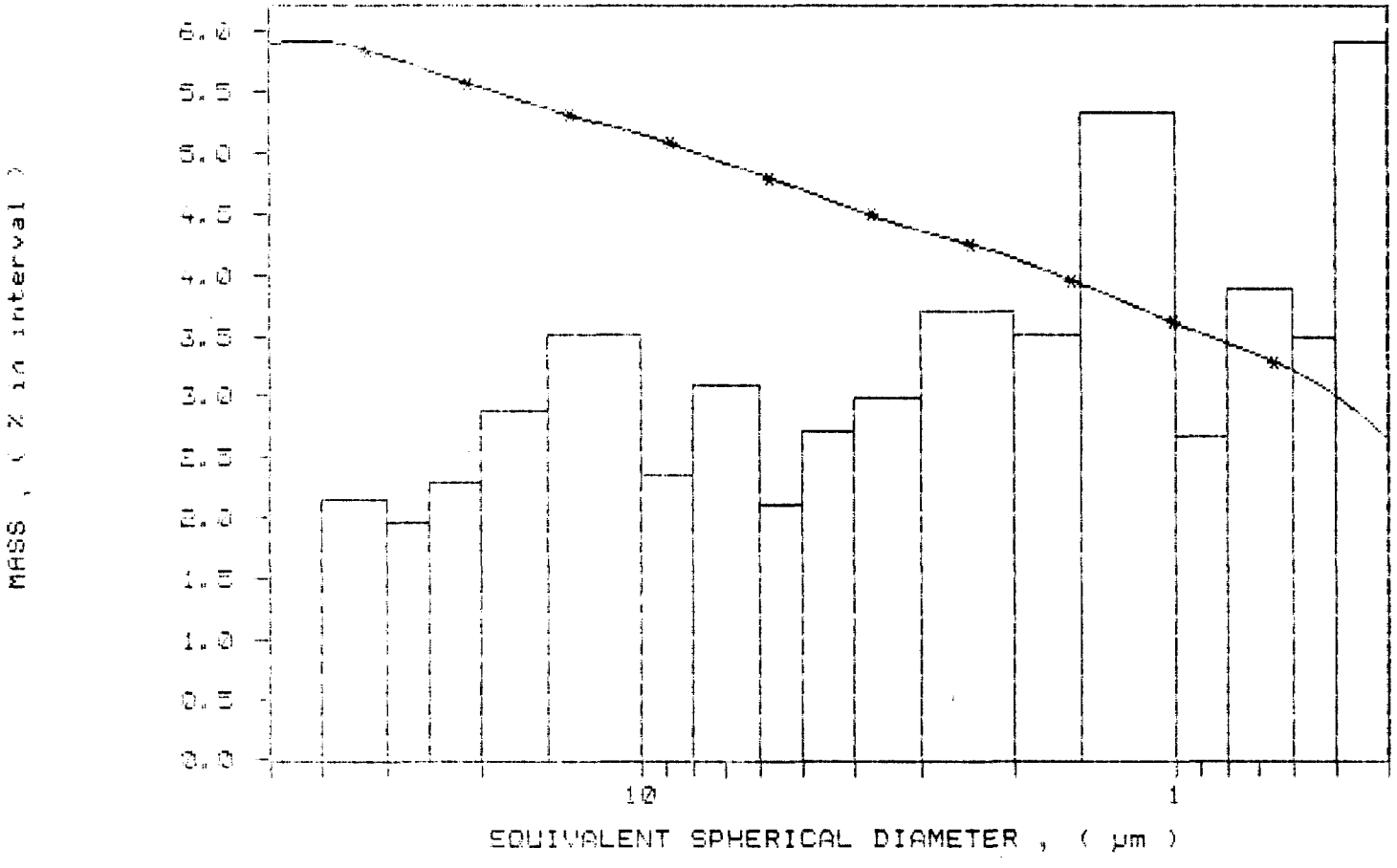
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /230
SAMPLE ID: Hole 29-2b # 205b
SUBMITTER: # 39
OPERATOR: RM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:05:57 11/08/90
REPRT 12:13:34 08/29/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /291
SAMPLE ID: Hole 89-26 @ 2057
SUBMITTER: # 89
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:33:53 11/13/90
REPRT 12:21:00 08/29/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.50 µm MODAL DIAMETER: 0.40 µm

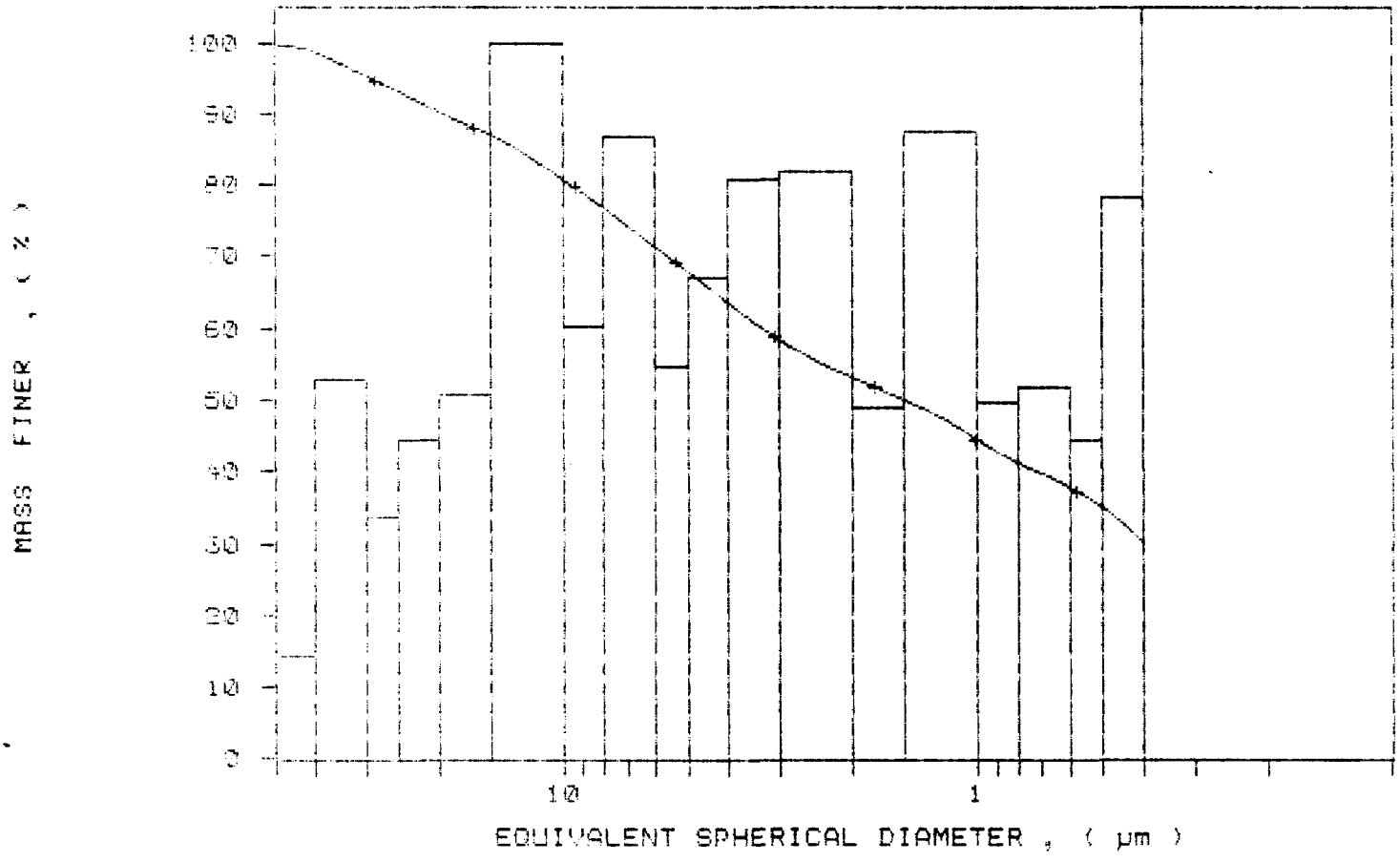
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.6	0.4
40.00	98.7	0.9
30.00	95.3	3.4
25.00	93.1	2.2
20.00	90.3	2.8
15.00	87.0	3.2
10.00	80.7	6.4
8.00	76.8	3.9
6.00	71.3	5.5
5.00	67.8	3.5
4.00	63.5	4.3
3.00	58.3	5.2
2.00	53.1	5.2
1.50	50.0	3.1
1.00	44.4	5.6
0.80	41.2	3.2
0.60	37.9	3.3
0.50	35.1	2.8
0.40	30.1	5.0

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /291
SAMPLE ID: Hole 09-2L 3 2057
SUBMITTER: # 35
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:33:53 11/13/90
REPRT 12:21:00 08/29/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

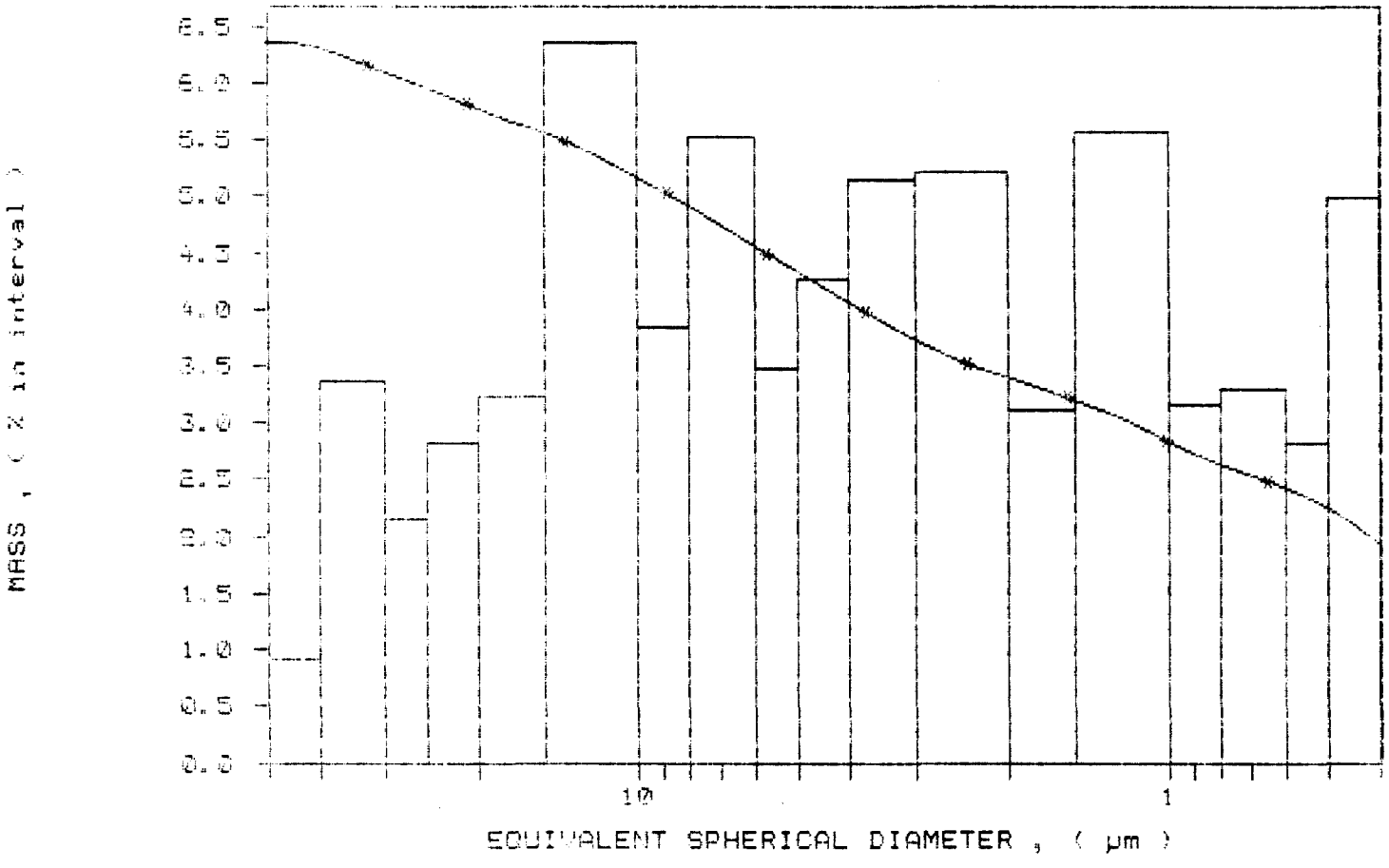
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /691
SAMPLE ID: Hole 5A-26 @ 2057
SUBMITTER: # 29
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:33:53 11/13/90
REPRT 12:21:00 08/29/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /296
SAMPLE ID: note 89-26 # 2058
SUBMITTER: # 5?
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:34:08 11/12/90
REPRT 12:28:35 08/29/91
TOT RUN TIME 0:12:26
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7263 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.30 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 0.30 µm MODAL DIAMETER: 0.41 µm

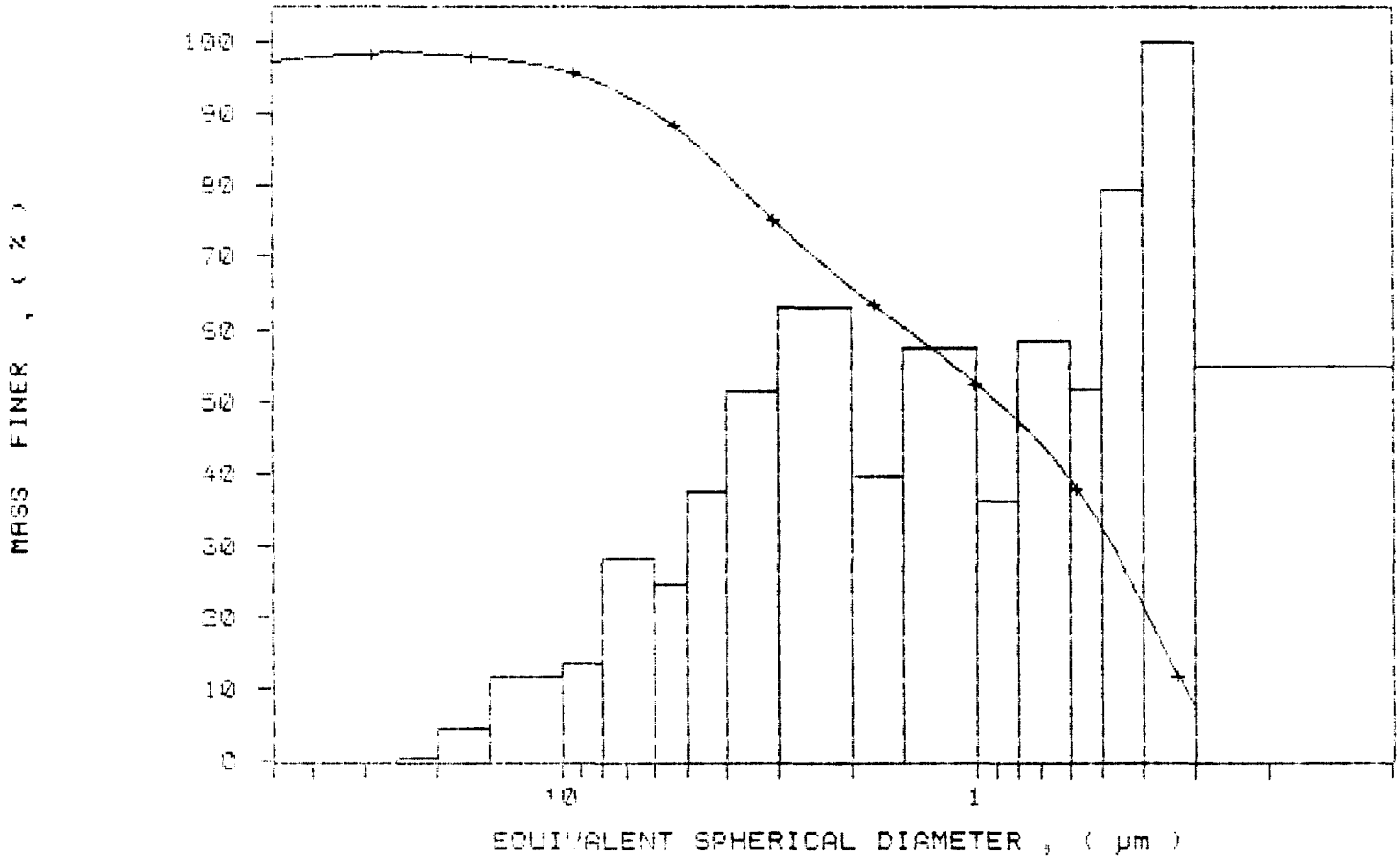
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.0	3.0
40.00	97.7	-0.7
30.00	98.2	-0.5
25.00	98.3	-0.1
20.00	98.2	0.1
15.00	97.6	0.6
10.00	95.9	1.7
8.00	94.0	1.9
6.00	90.1	3.9
5.00	86.7	3.4
4.00	81.6	5.2
3.00	74.5	7.1
2.00	65.8	8.7
1.50	60.3	5.5
1.00	52.4	7.9
0.80	47.4	5.0
0.60	39.4	8.0
0.50	32.2	7.1
0.40	21.3	10.9
0.30	7.6	13.7

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /296
SAMPLE ID: Hole 89-26 # 2058
SUBMITTER: # 89
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:34:08 11/12/90
REPRT 12:28:35 08/29/91
TOT RUN TIME 0:12:26
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7263 cp

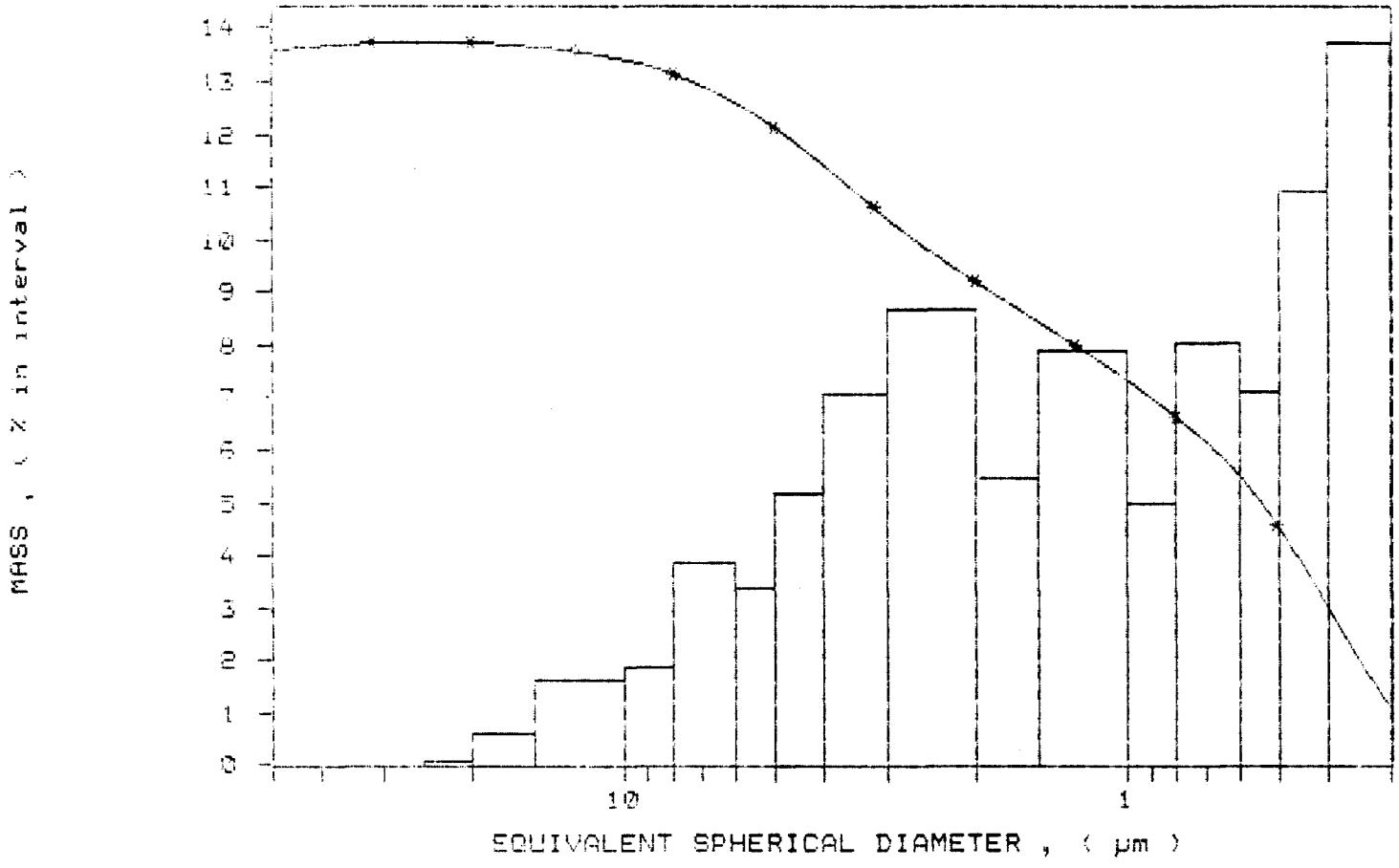
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /296
SAMPLE ID: Hole 89-26 # 2058
SUBMITTER: # 29
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:34:08 11/12/90
REPRT 12:28:35 08/29/91
TOT RUN TIME 0:12:26
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7263 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



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SAMPLE DIRECTORY/NUMBER: DATA3 /297
SAMPLE ID: Hole 89-26 # 2059
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:58:50 11/12/90
REPRT 12:36:40 08/29/91
TOT RUN TIME 0:12:47
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.50 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 0.72 µm
MODAL DIAMETER: 0.41 µm

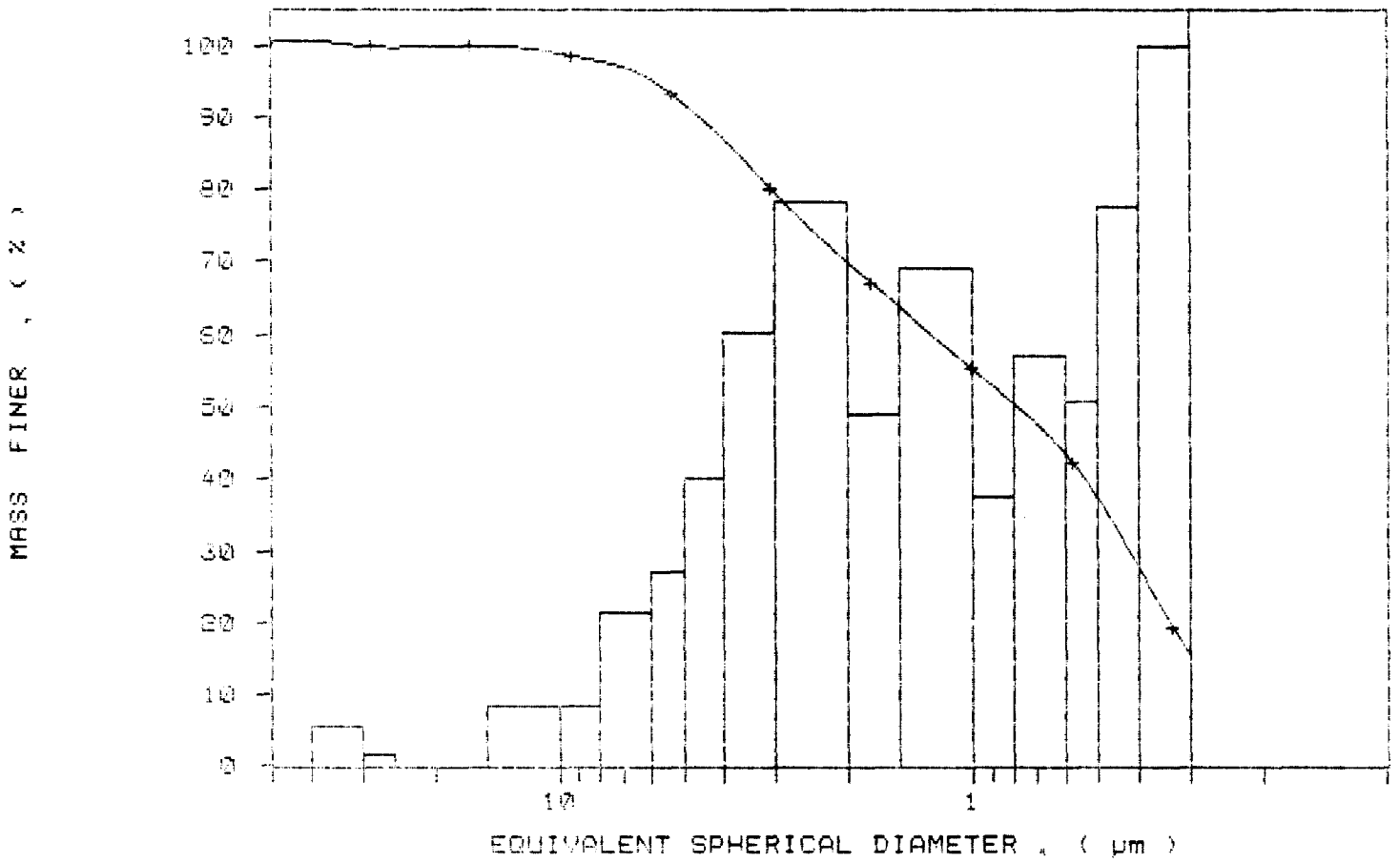
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.4	-0.4
40.00	100.6	-0.2
30.00	99.9	0.7
25.00	99.7	0.2
20.00	99.9	-0.2
15.00	99.9	-0.0
10.00	98.9	1.1
8.00	97.8	1.1
6.00	95.2	2.6
5.00	91.8	3.3
4.00	86.9	5.0
3.00	79.4	7.4
2.00	69.8	9.7
1.50	63.7	6.1
1.00	55.2	8.5
0.80	50.5	4.7
0.60	43.5	7.0
0.50	37.3	6.2
0.40	27.7	9.6
0.30	15.4	12.3

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /297
SAMPLE ID: Hole 20-2C # 2059
SUBMITTER: # 59
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:58:50 11/12/90
REPRT 12:36:40 08/29/91
TOT RUN TIME 0:12:47
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

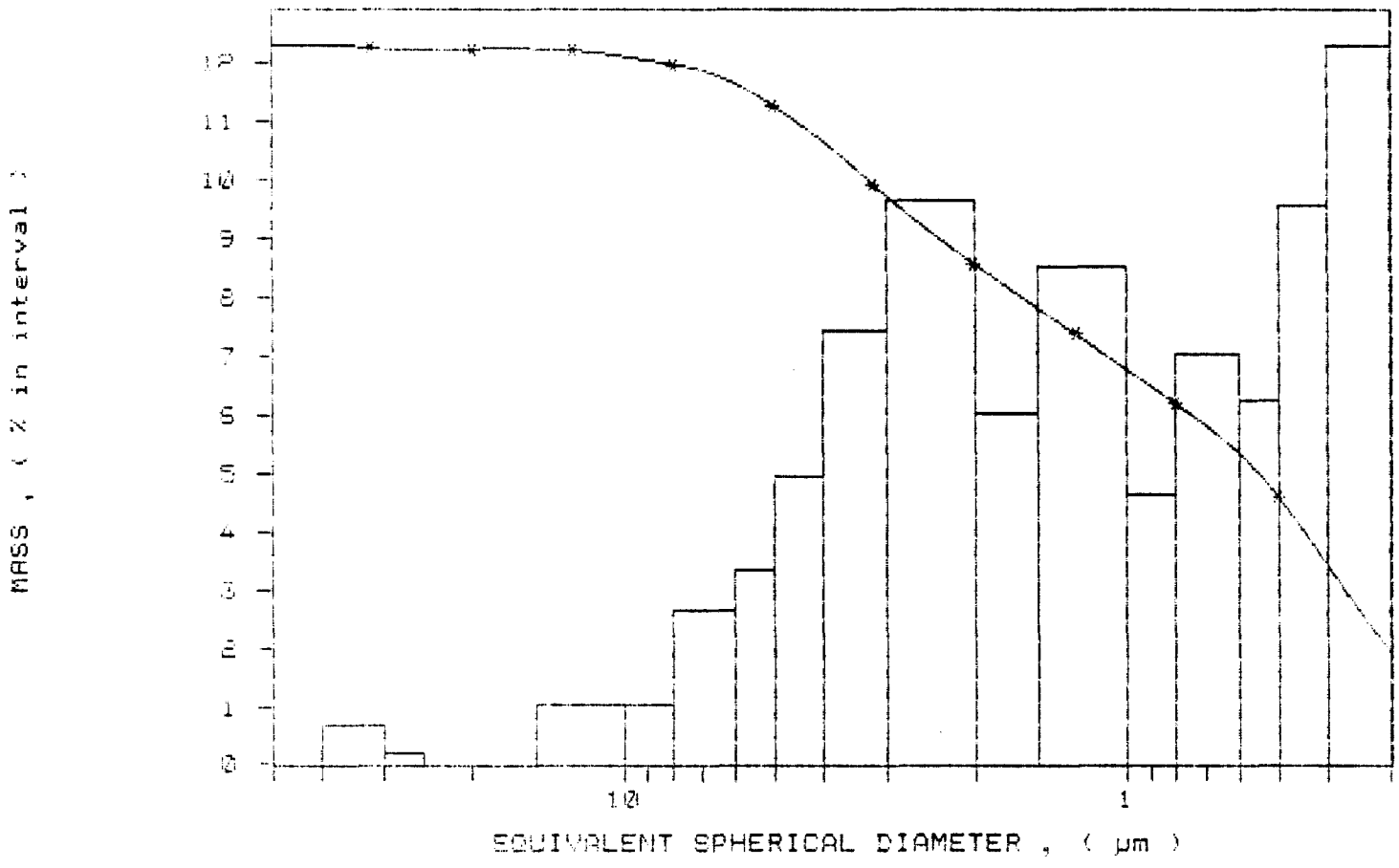
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /257
SAMPLE ID: Hole 89-66 # 2059
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP.: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:58:50 11/12/90
REPRT 12:36:40 08/29/91
TOT RUN TIME 0:12:47
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

Sedigraph 5100 V2.03 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /298
SAMPLE ID: Hole 89-26 # 2060
SUBMITTER: J 89
OPERATOR: MM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:38:48 11/12/90
REPRT 12:44:04 03/29/91
TOT RUN TIME 0:12:33
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.30 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.81 µm MODAL DIAMETER: 3.15 µm

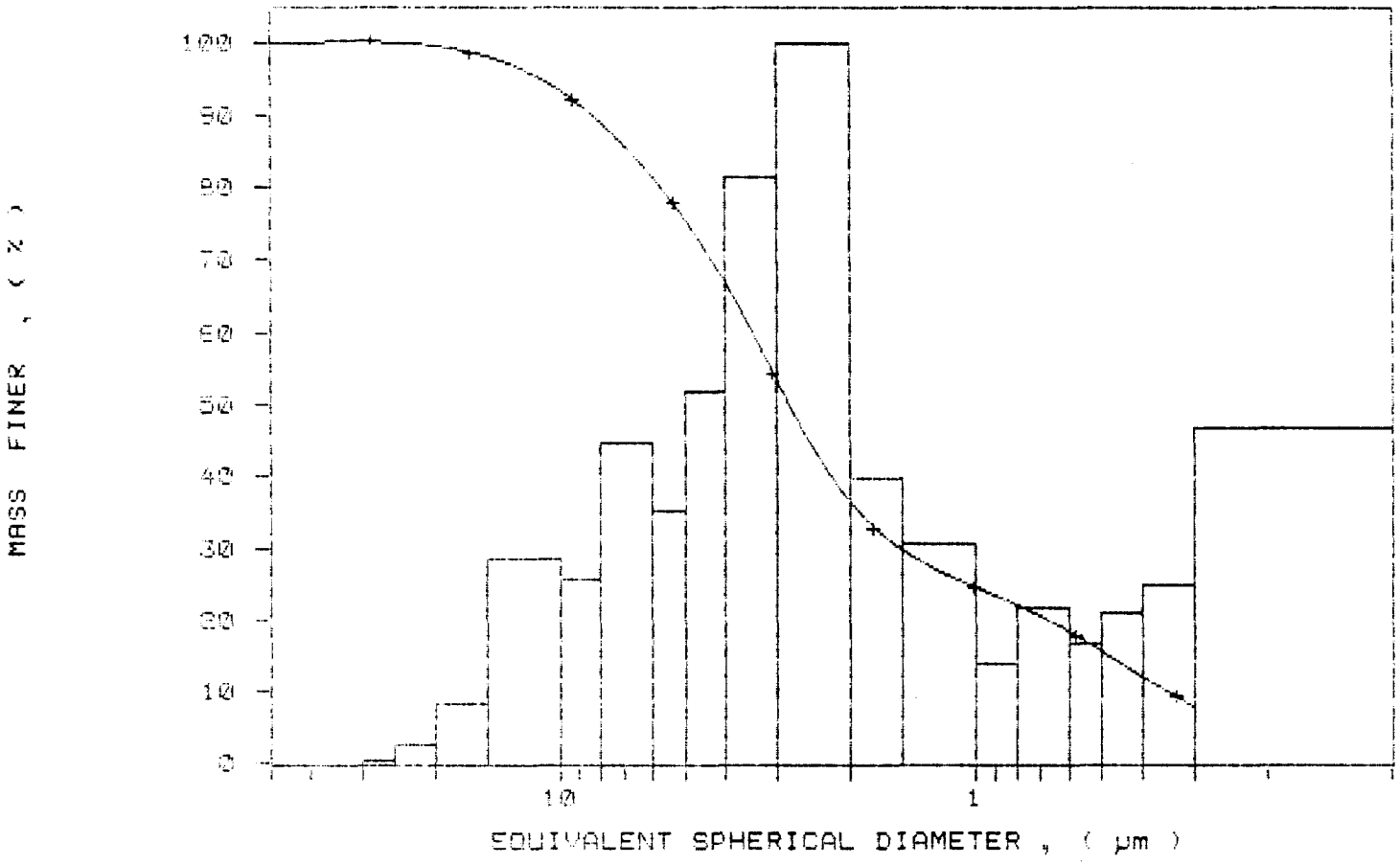
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.9	0.1
40.00	100.0	-0.1
30.00	100.1	-0.1
25.00	100.0	0.1
20.00	99.5	0.5
15.00	98.1	1.4
10.00	93.3	4.8
8.00	89.0	4.3
6.00	81.4	7.6
5.00	75.5	5.9
4.00	66.8	8.7
3.00	53.1	13.7
2.00	36.4	16.8
1.50	29.7	6.7
1.00	24.5	5.1
0.80	22.2	2.4
0.60	18.5	3.7
0.50	15.7	2.8
0.40	12.1	3.6
0.30	7.9	4.2

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /298
SAMPLE ID: Hole 89-26 # 2060
SUBMITTER: S 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:38:48 11/12/90
REPRT 12:44:04 08/29/91
TOT RUN TIME 0:12:33
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

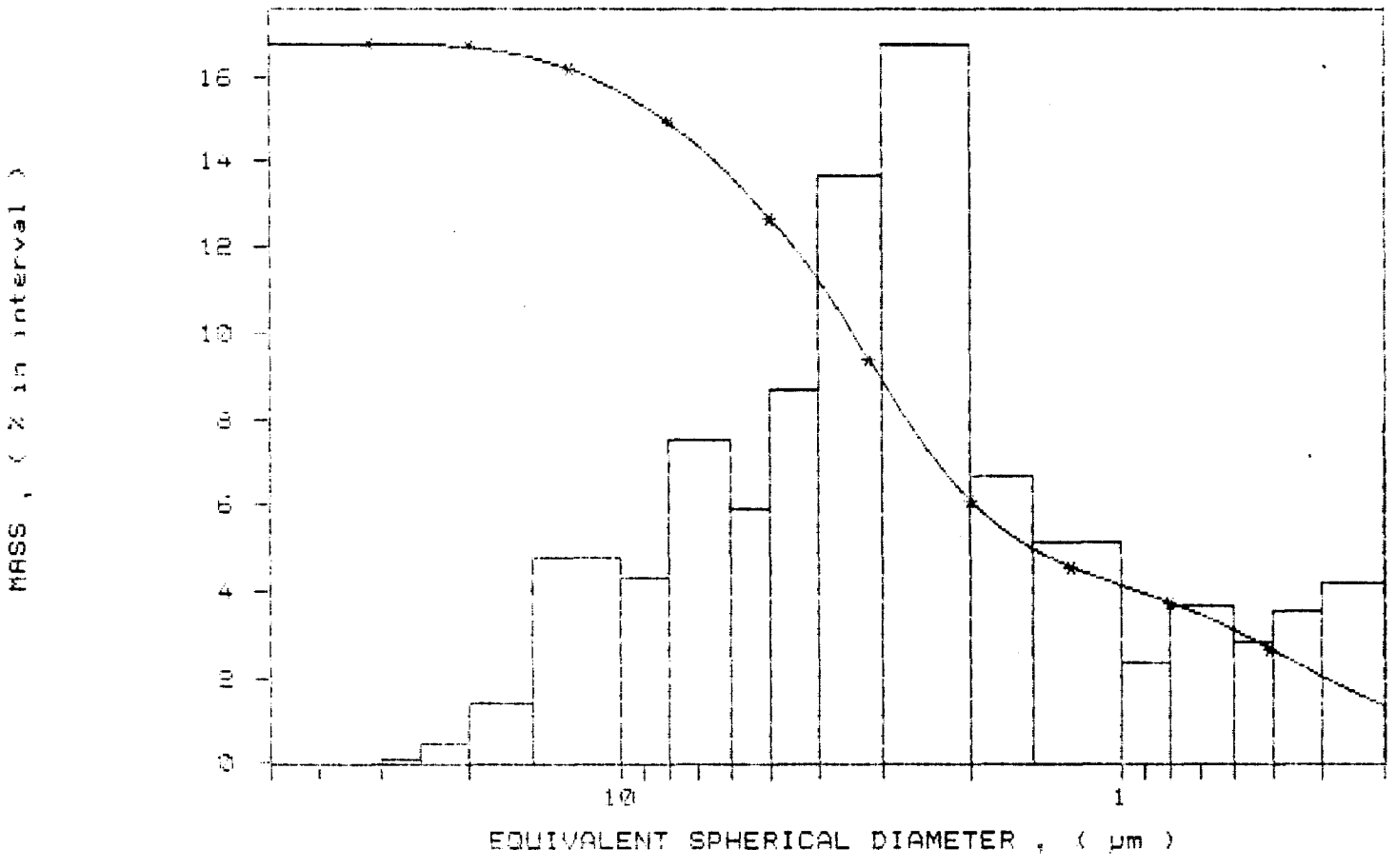
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /298
SAMPLE ID: Hole 69-Co # 2060
SUBMITTER: S 29
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:38:48 11/12/90
REPRT 12:44:04 08/29/91
TOT RUN TIME 0:12:00
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

Sedigraph 5100 V2.03

SAMPLE DIRECTORY/NUMBER: DATA3 /303
SAMPLE ID: Hole 89-26 # 2061
SUBMITTER: S SO
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 15:28:25 11/12/90
REPRT 12:51:23 08/29/91
TOT RUN TIME 0:04:58
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.30 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.04 µm MODAL DIAMETER: 2.82 µm

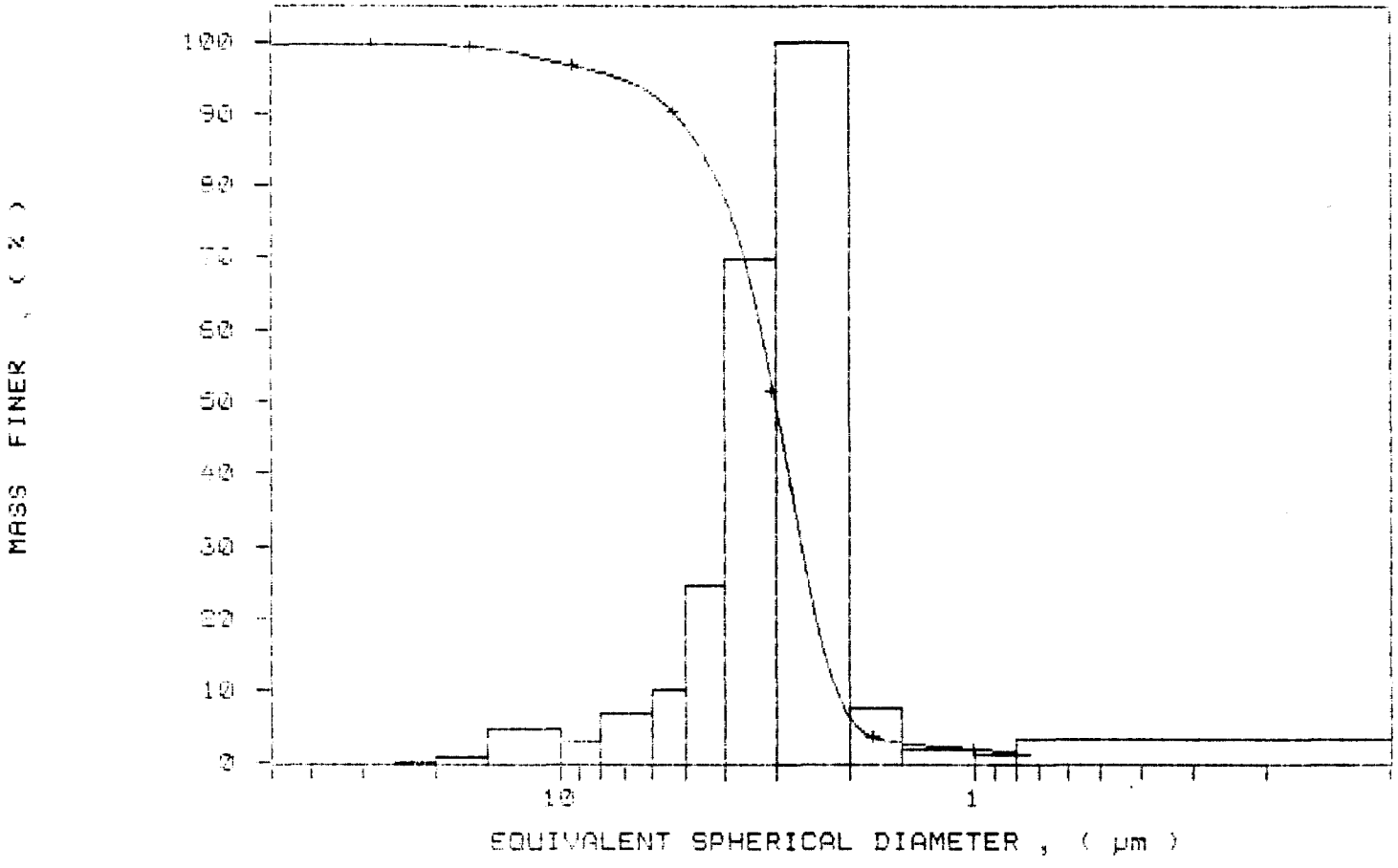
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.4	0.6
40.00	99.8	-0.3
30.00	99.8	-0.0
25.00	99.6	0.1
20.00	99.4	0.2
15.00	99.0	0.4
10.00	96.9	2.0
8.00	95.7	1.3
6.00	92.6	3.0
5.00	88.3	4.3
4.00	77.8	10.5
3.00	48.3	29.5
2.00	6.1	42.1
1.50	2.8	3.3
1.00	2.0	0.8
0.50	1.4	0.5

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5122 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /303
SAMPLE ID: Hole 85-2c # 2061
SUBMITTER: S SY
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 15:28:25 11/12/90
REPRT 12:51:23 08/29/91
TOT RUN TIME 0:04:58
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

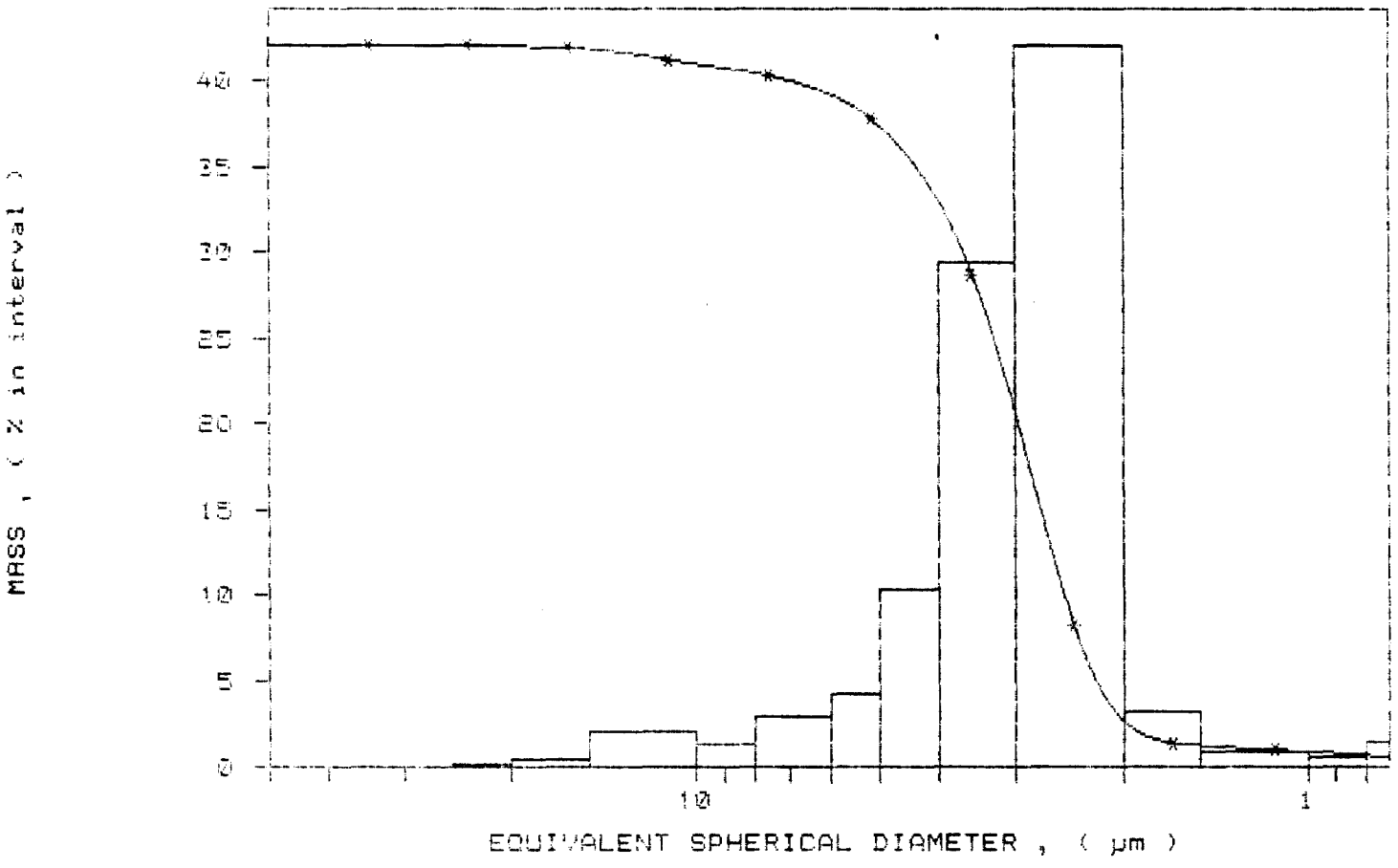
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /303
SAMPLE ID: Hole 89-26 # 2061
SUBMITTER: S 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 15:28:25 11/12/90
REPRT 12:51:28 08/29/91
TOT RUN TIME 0:04:58
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SediGraph 5100 v2.03

SAMPLE DIRECTORY/NUMBER: DATA5 /005
SAMPLE ID: Hole 89-26 # 262
SUBMITTER: # 59
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:18:38 11/13/90
REPRT 12:58:43 08/29/91
TOT RUN TIME 0:11:43
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.30 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 8.19 µm

MODAL DIAMETER: 8.94 µm

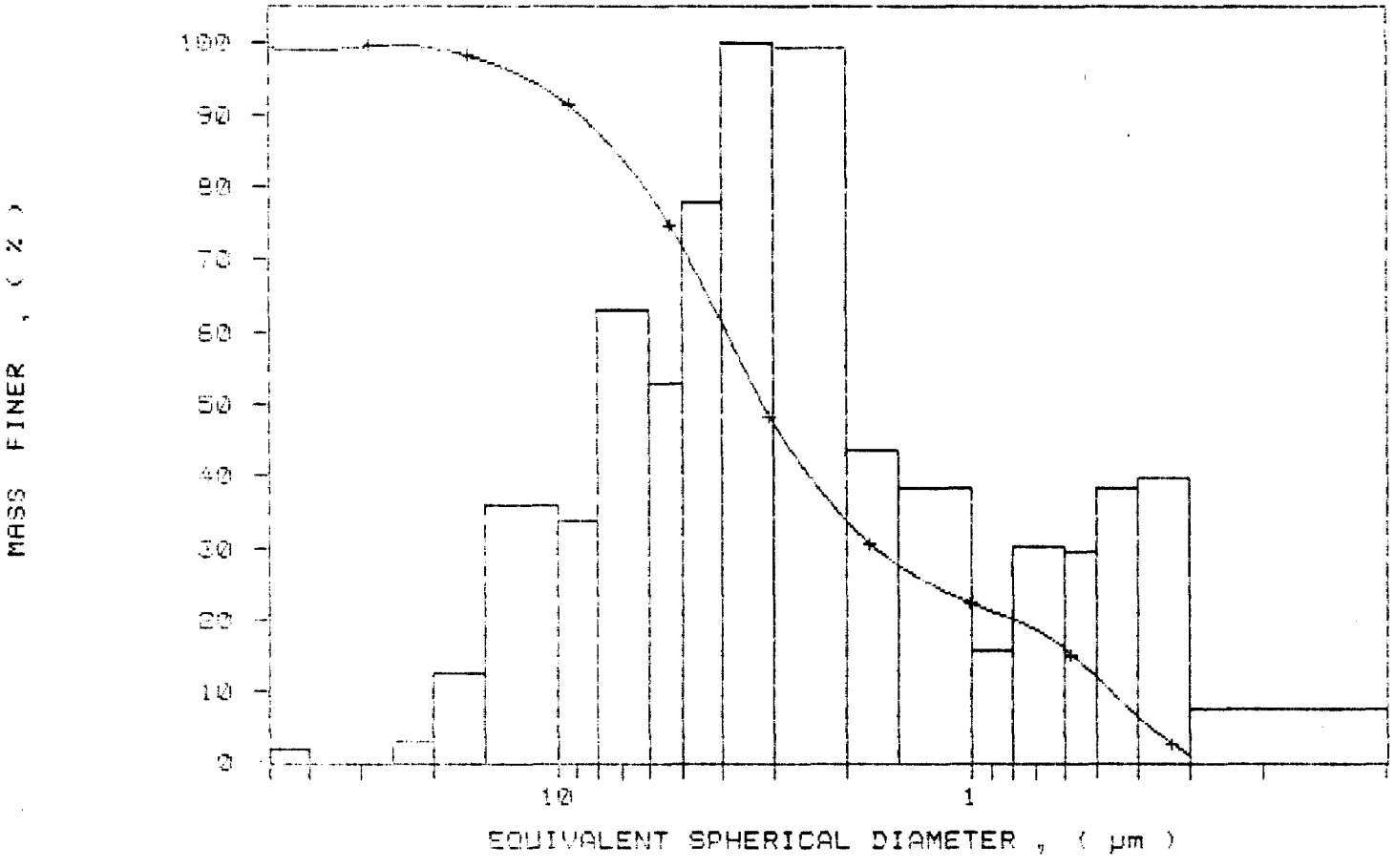
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.1	0.9
40.00	98.6	0.8
30.00	99.3	-0.5
25.00	99.5	-0.3
20.00	99.1	0.4
15.00	97.4	1.7
10.00	92.4	4.9
8.00	87.7	4.7
6.00	79.1	8.7
5.00	71.8	7.3
4.00	61.0	10.8
3.00	47.3	13.7
2.00	32.6	15.6
1.50	27.6	6.0
1.00	22.3	5.3
0.80	20.1	2.2
0.60	15.9	4.2
0.50	11.9	4.1
0.40	6.5	5.3
0.30	1.1	5.5

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /305
SAMPLE ID: Hole 89-65 # 262
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:18:38 11/13/90
REPRT 12:58:43 08/29/91
TOT RUN TIME 0:11:43
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

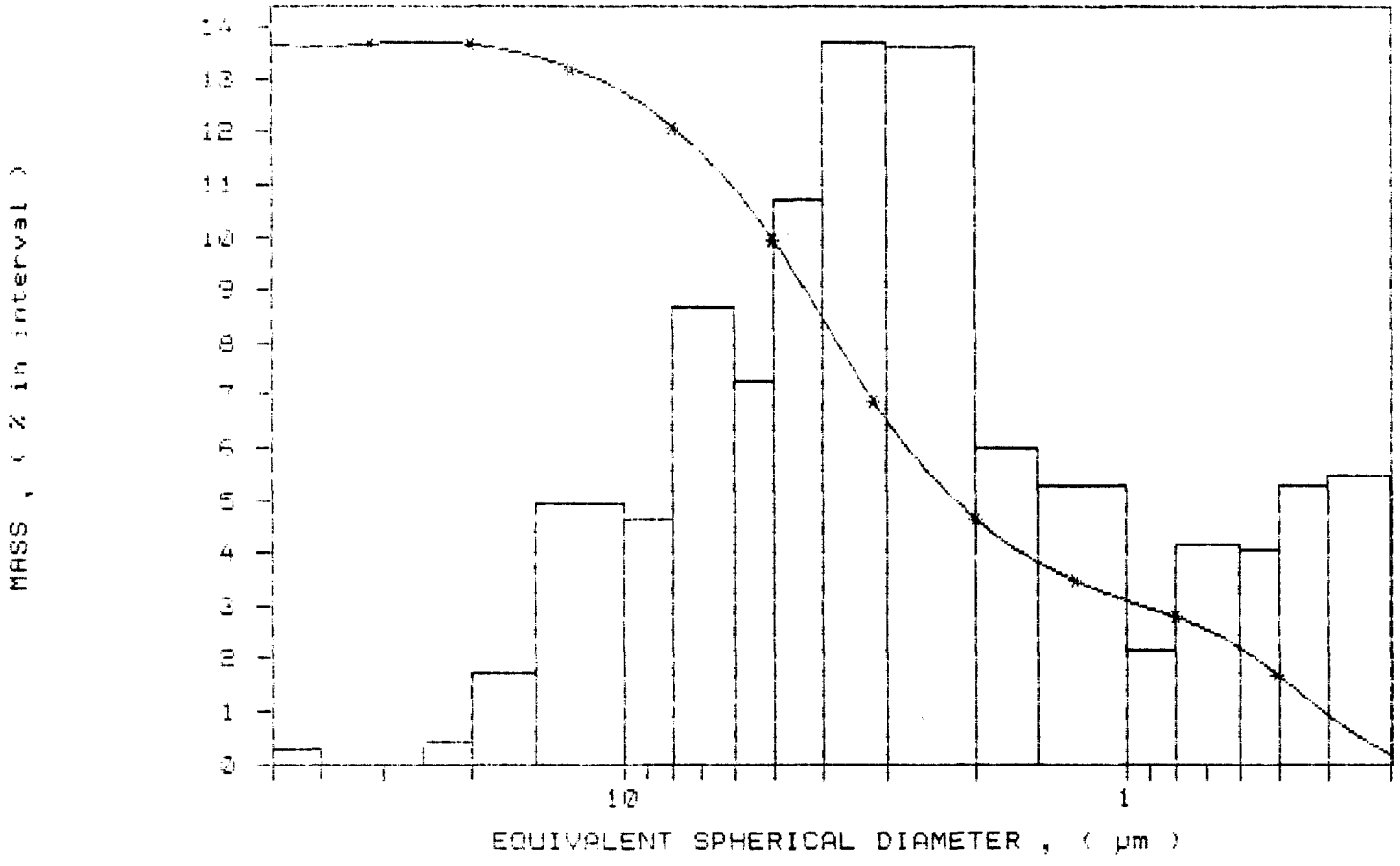
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /305
SAMPLE ID: Mote 89-26 # 262
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:18:38 11/13/90
REPRT 12:58:43 08/29/91
TOT RUN TIME 0:11:43
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03

SAMPLE DIRECTORY/NUMBER: DATA3 /306
SAMPLE ID: Hole 89-25 # 2065
SUBMITTER: # 23
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:02:46 11/13/90
REPRT 13:06:10 08/29/91
TOT RUN TIME 0:07:11
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.47 µm

MODAL DIAMETER: 4.41 µm

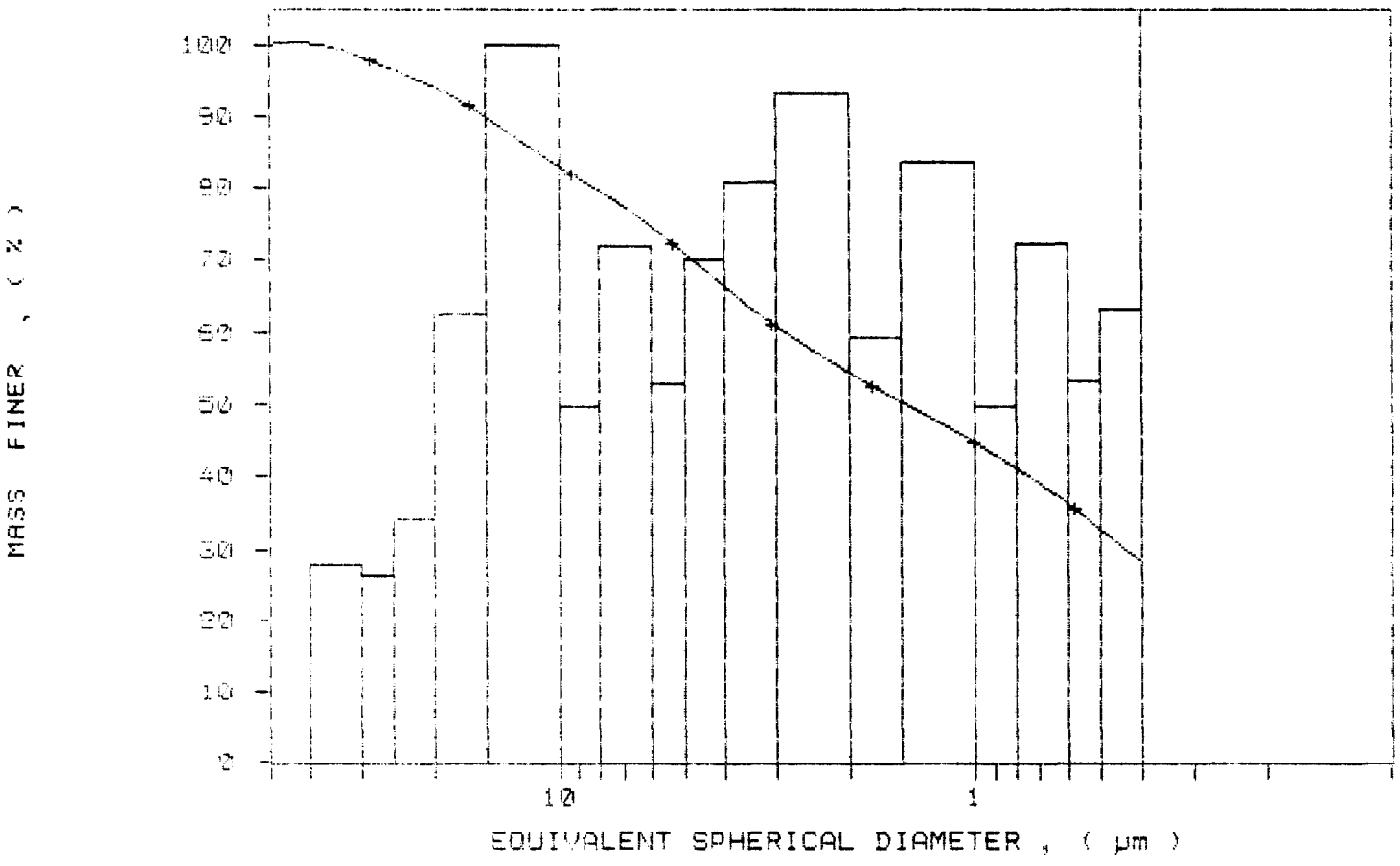
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.0	0.0
40.00	100.1	-0.1
30.00	98.2	1.9
25.00	96.4	1.8
20.00	94.0	2.3
15.00	89.7	4.3
10.00	82.9	6.8
8.00	79.5	3.4
6.00	74.6	4.9
5.00	71.0	3.6
4.00	66.2	4.8
3.00	60.7	5.5
2.00	54.3	6.4
1.50	50.3	4.1
1.00	44.5	5.7
0.80	41.1	3.4
0.60	36.2	4.9
0.50	32.6	3.6
0.40	28.3	4.3

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /306
SAMPLE ID: mole 89-26 # 2063
SUBMITTER: # 59
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:02:46 11/13/90
REPRT 13:06:10 08/29/91
TOT RUN TIME 0:07:11
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

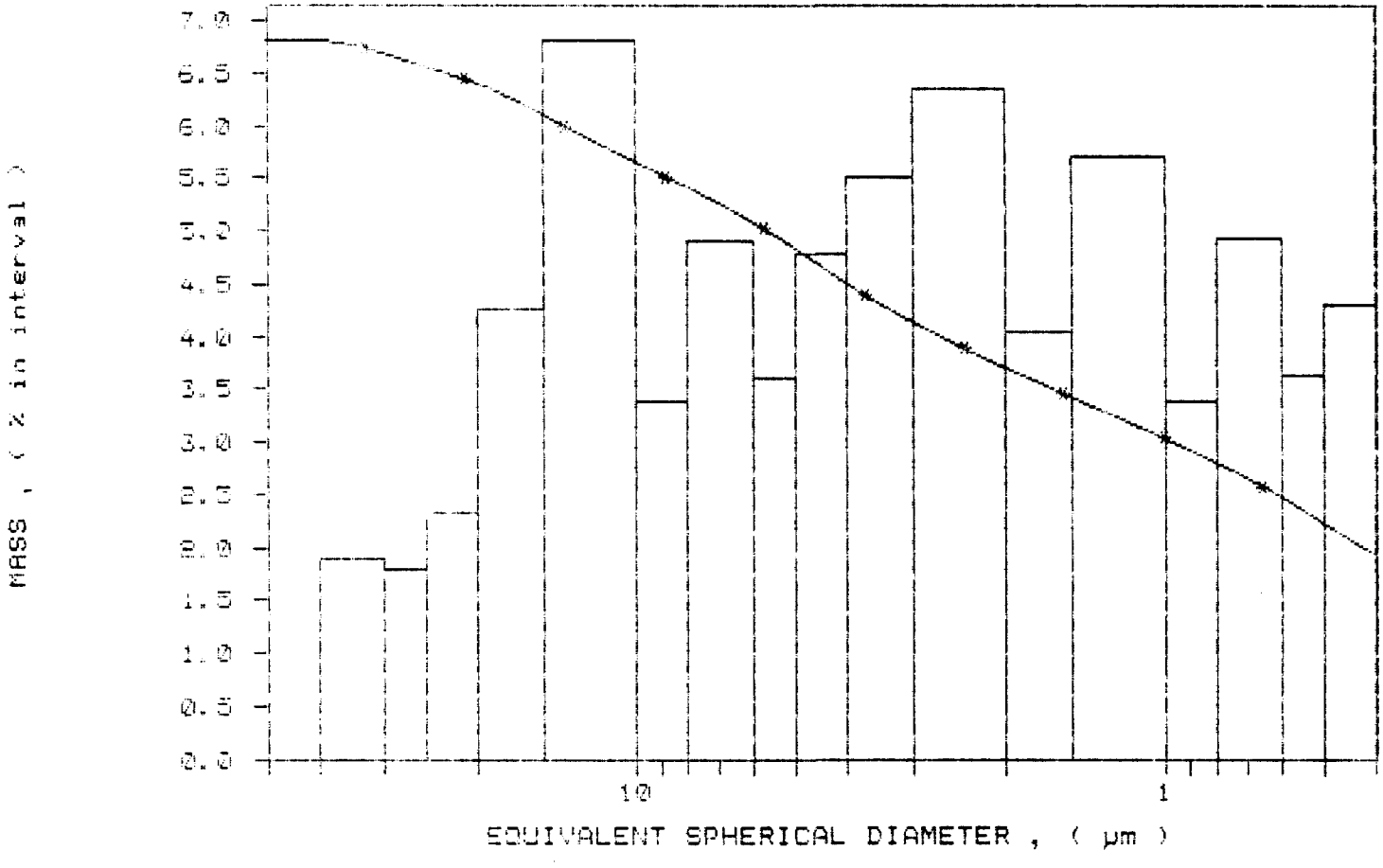
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /s06
SAMPLE ID: Hole 89-26 # 2063
SUBMITTER: # 5?
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:02:46 11/13/90
REPRT 13:06:10 08/29/91
TOT RUN TIME 0:07:11
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /007
SAMPLE ID: Hole 89-66 # 2064
SUBMITTER: # 30
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:01:53 11/13/90
REPRT 13:13:36 08/29/91
TOT RUN TIME 0:07:15
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 4.29 µm MODAL DIAMETER: 4.95 µm

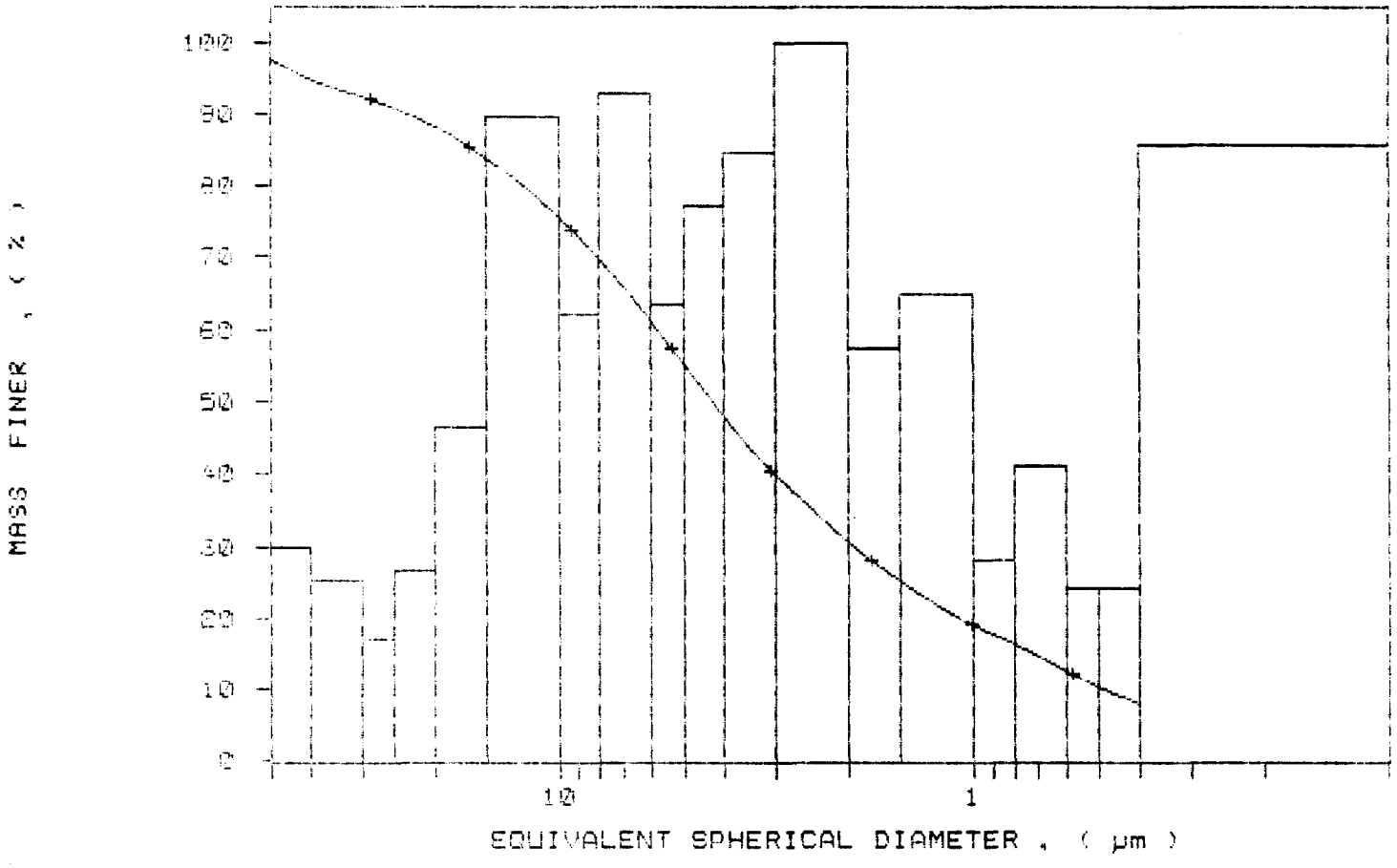
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.5	2.5
40.00	94.7	2.8
30.00	92.4	2.4
25.00	90.7	1.6
20.00	88.2	2.5
15.00	83.9	4.4
10.00	75.5	8.4
8.00	69.7	5.8
6.00	61.0	8.7
5.00	55.0	5.9
4.00	47.8	7.2
3.00	39.9	7.9
2.00	30.5	9.3
1.50	25.1	5.4
1.00	19.1	6.1
0.80	16.4	2.6
0.60	12.6	3.8
0.50	10.3	2.3
0.40	8.0	2.3

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W2
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /307
SAMPLE ID: mote 89-26 & 2964
SUBMITTER: & Bo
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:01:53 11/13/90
REPRT 13:13:36 08/29/91
TOT RUN TIME 0:07:15
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

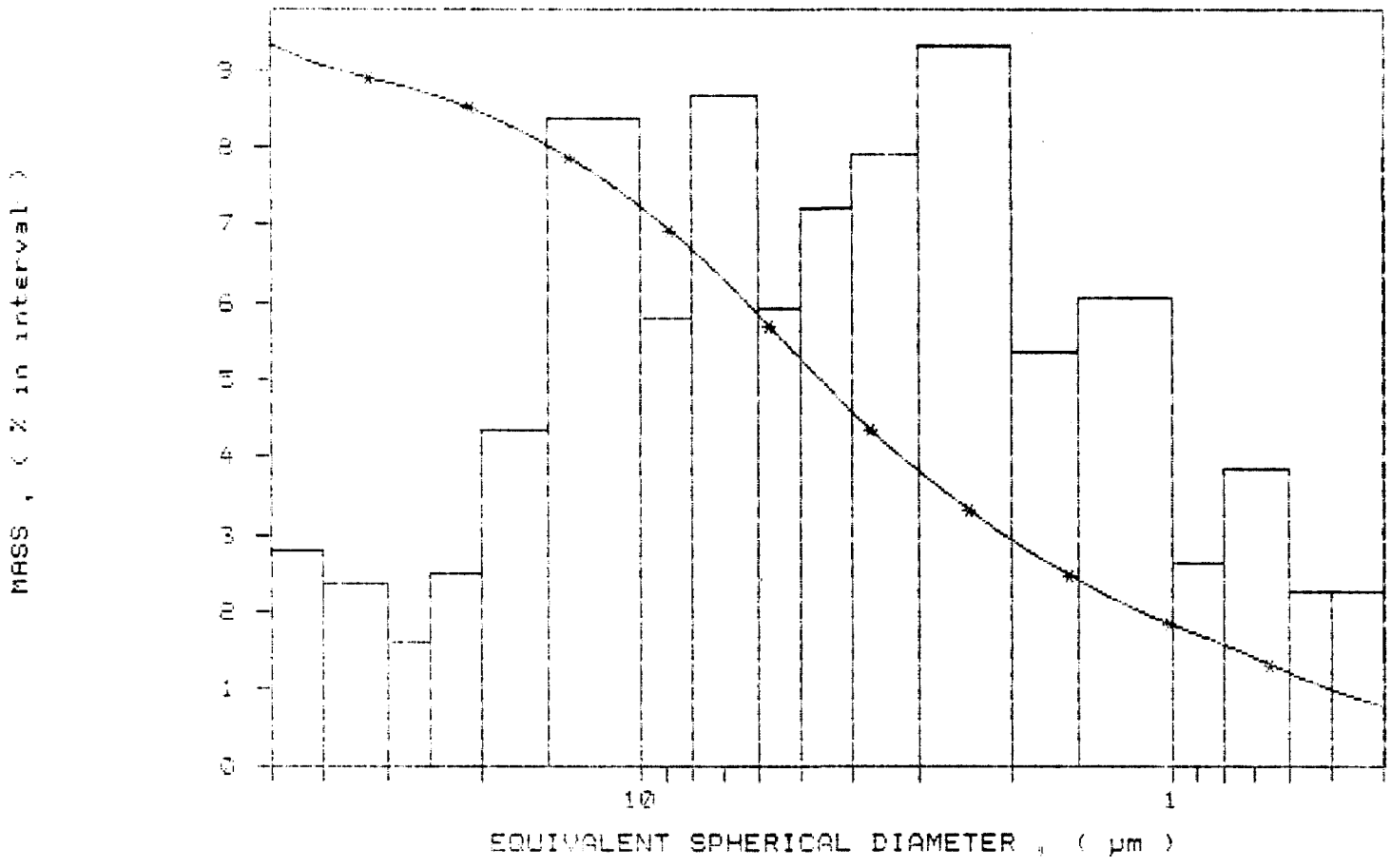
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
mASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /307
SAMPLE ID: Mole 89-26 # 2064
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:01:53 11/13/90
REPRT 13:13:36 08/29/91
TOT RUN TIME 0:07:15
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SediGraph 5100 V2.02

Clay

SAMPLE DIRECTORY/NUMBER: DATA3 /009
SAMPLE ID: Hole 89-26 # 2065
SUBMITTER: # 55
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:32:46 11/14/90
REPRT 13:21:01 08/29/91
TOT RUN TIME 0:07:15
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 5.00 µm

MODAL DIAMETER: 9.60 µm

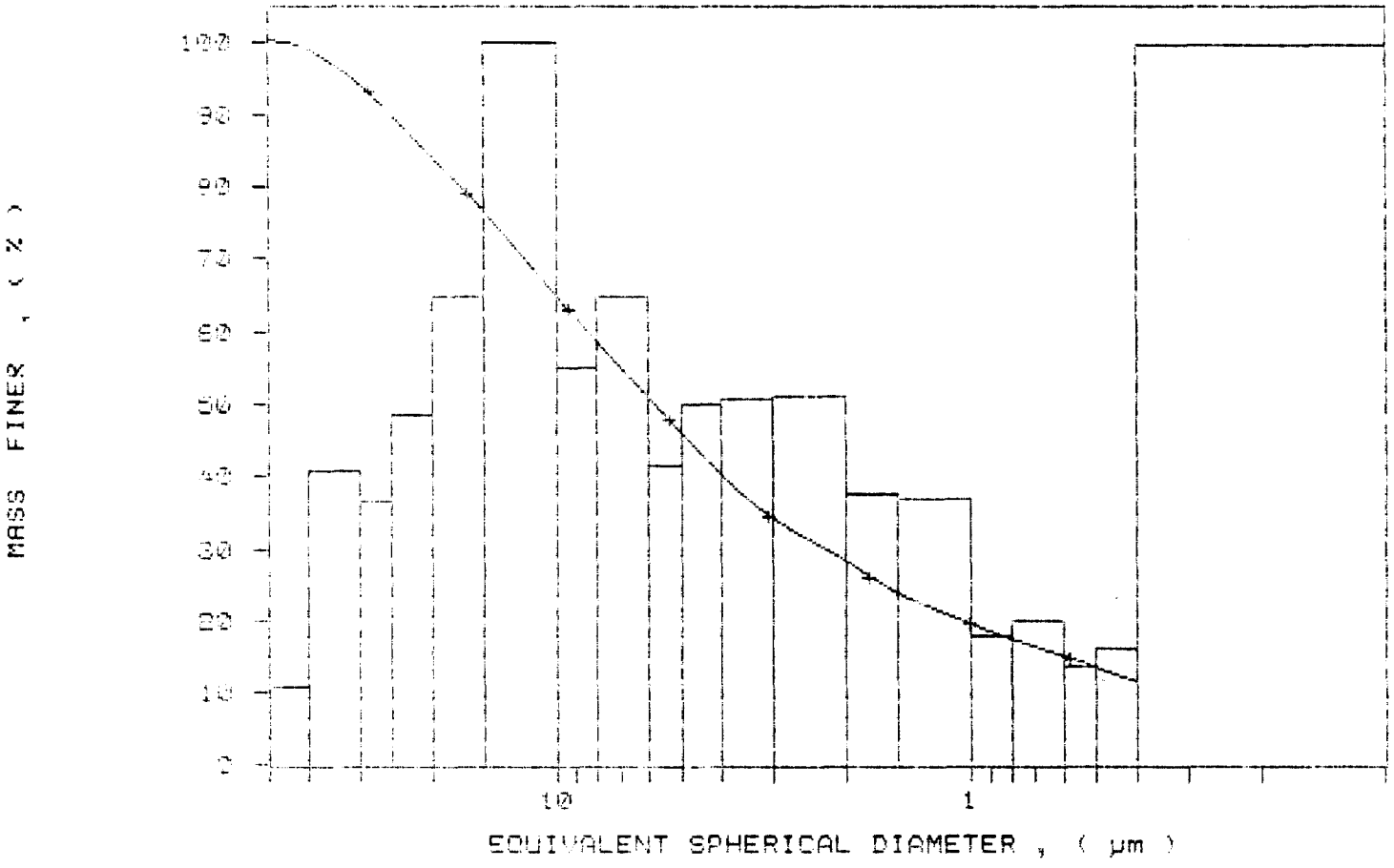
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.1	-0.1
40.00	98.3	1.8
30.00	94.1	4.8
25.00	89.8	4.3
20.00	84.1	5.7
15.00	76.5	7.6
10.00	64.9	11.7
8.00	58.4	6.4
6.00	50.9	7.5
5.00	46.0	4.8
4.00	40.2	5.9
3.00	34.2	5.9
2.00	28.2	6.0
1.50	23.8	4.4
1.00	19.5	4.3
0.80	17.4	2.1
0.60	15.1	2.3
0.50	13.5	1.6
0.40	11.6	1.9

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /309
SAMPLE ID: Hole 89-26 # 2065
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:32:46 11/14/90
REPRT 13:21:01 08/29/91
TOT RUN TIME 0:07:15
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

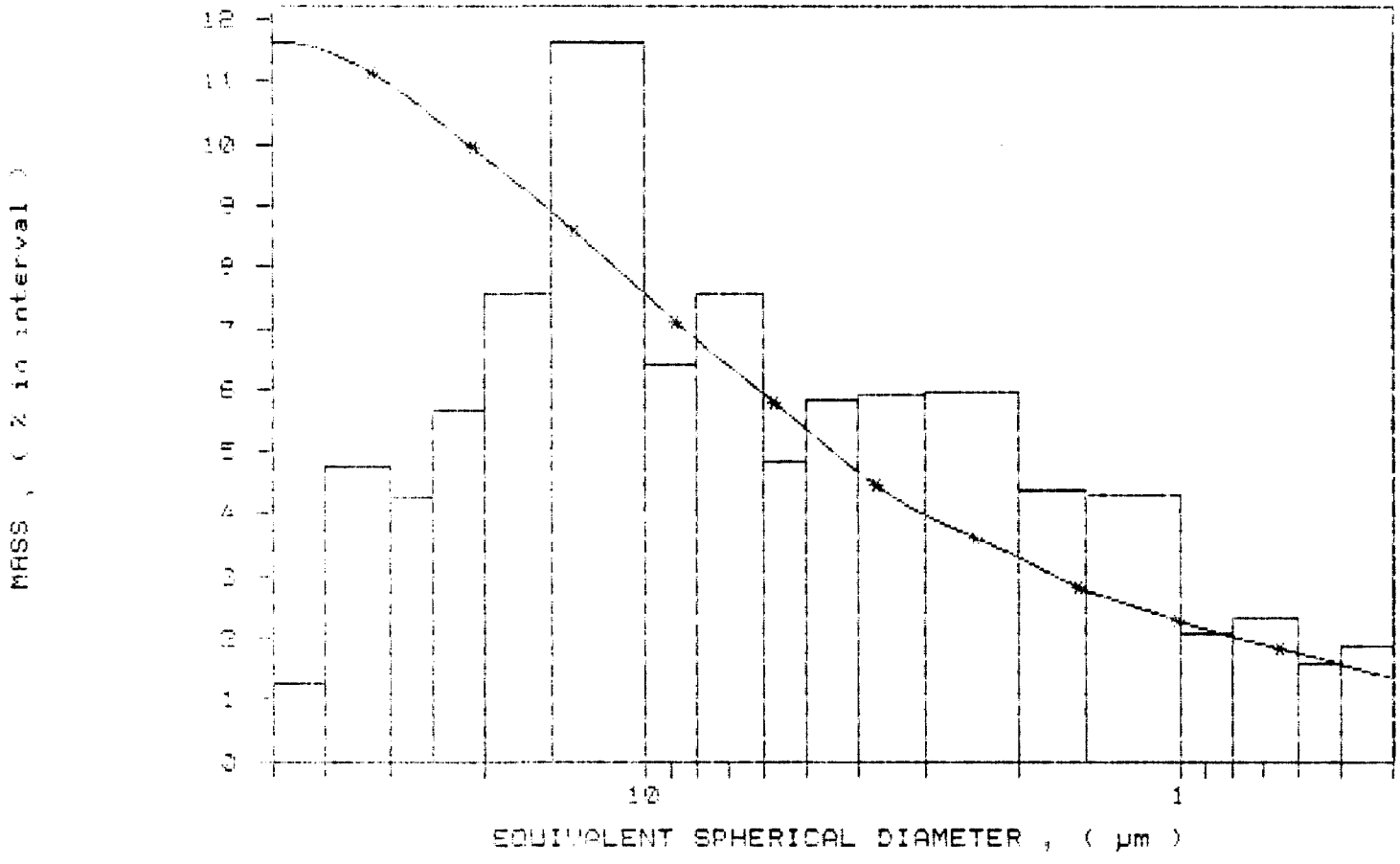
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY NUMBER: DATA3 /309
SAMPLE ID: Hole 89-26 # 2065
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:32:46 11/14/90
REPRT 13:21:01 08/29/91
TOT RUN TIME 0:07:15
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

Sedigraph 5100 V2.02

SAMPLE DIRECTORY/NUMBER: DATA3 /210
SAMPLE ID: note 07-26 # 2066
SUBMITTER: # 99
OPERATOR: RM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:26:18 11/14/90
REPRT 13:28:26 08/29/91
TOT RUN TIME 0:07:15
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 4.55 µm MODAL DIAMETER: 8.42 µm

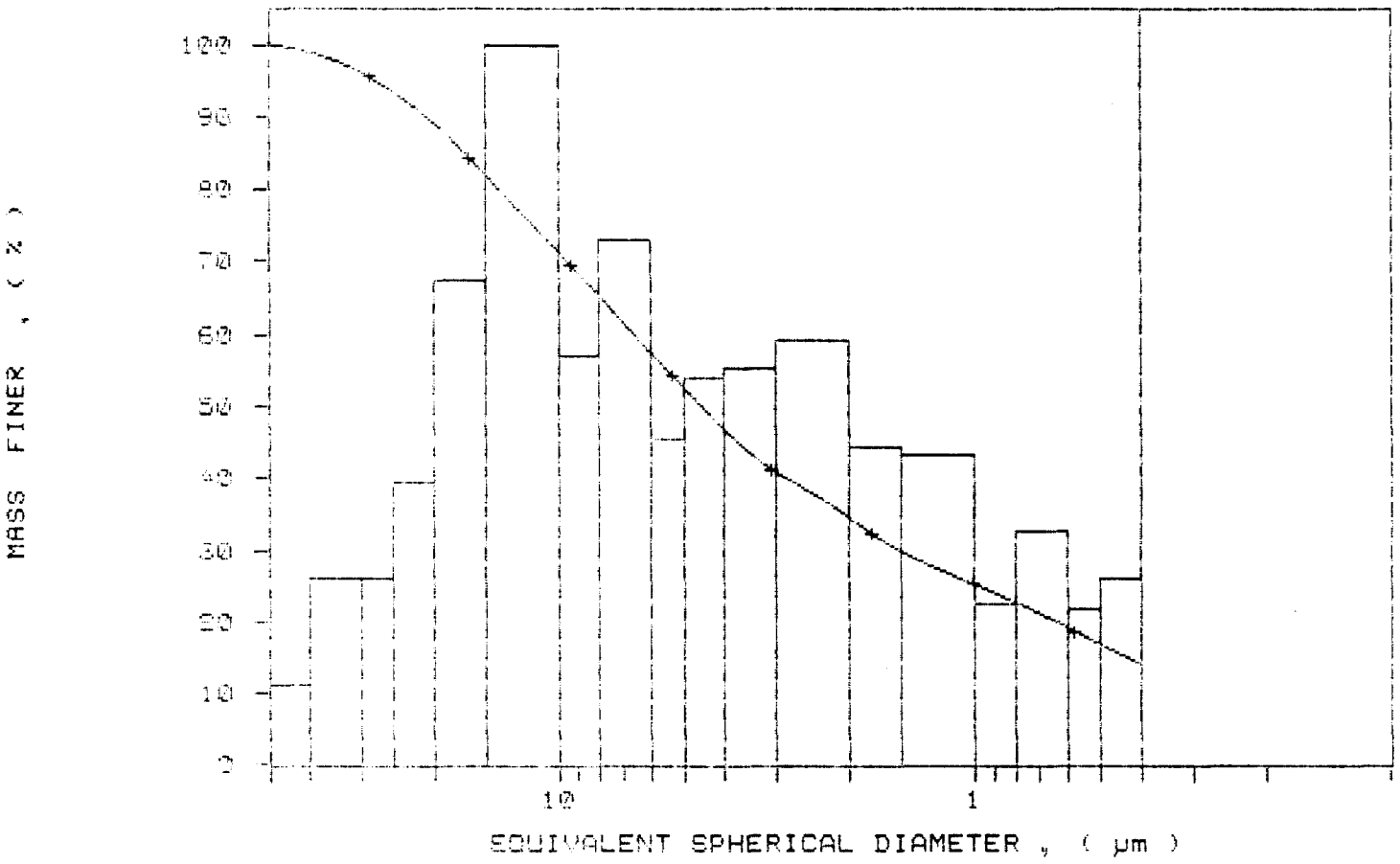
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.1	-0.1
40.00	98.3	1.8
30.00	96.1	2.2
25.00	93.3	2.8
20.00	89.1	4.2
15.00	81.9	7.2
10.00	71.2	10.7
8.00	65.1	6.1
6.00	57.3	7.8
5.00	52.5	4.9
4.00	46.7	5.7
3.00	40.8	5.9
2.00	34.5	6.3
1.50	29.7	4.7
1.00	25.1	4.7
0.80	22.7	2.4
0.60	19.2	3.5
0.50	16.8	2.4
0.40	14.0	2.8

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA2 /310
SAMPLE ID: note 03-22 # 2066
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:26:18 11/14/90
REPRT 13:28:26 08/29/91
TOT RUN TIME 0:07:15
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

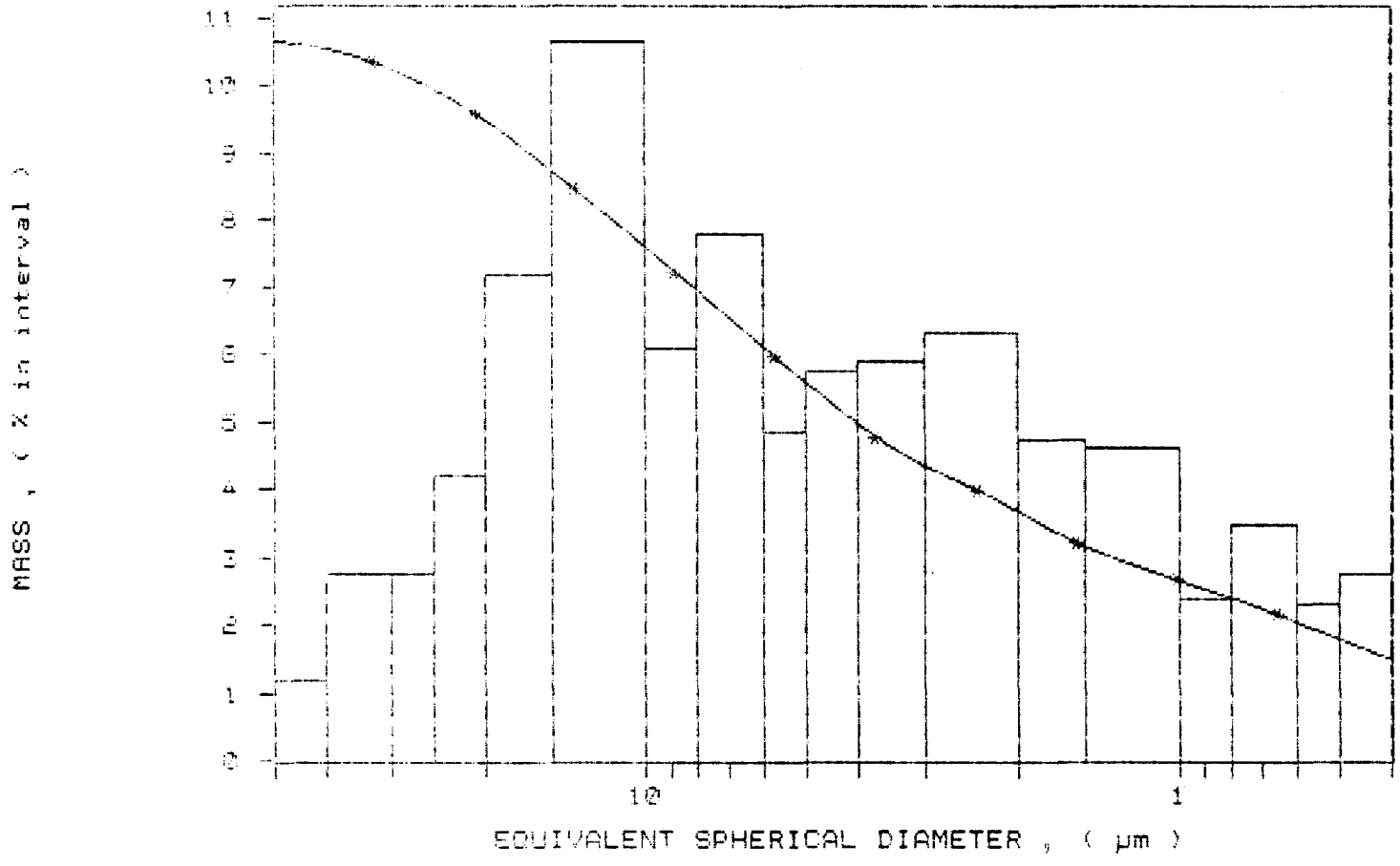
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /510
SAMPLE ID: hole 29-26 # 2066
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:26:18 11/14/90
REPRT 13:28:26 08/29/91
TOT RUN TIME 0:07:15
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03

SAMPLE DIRECTORY/NUMBER: DATA3 /811
SAMPLE ID: note 5%-co # 2067
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:47:11 11/14/90
REPRT 13:35:58 08/29/91
TOT RUN TIME 0:06:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 0.55 µm MODAL DIAMETER: 3.71 µm

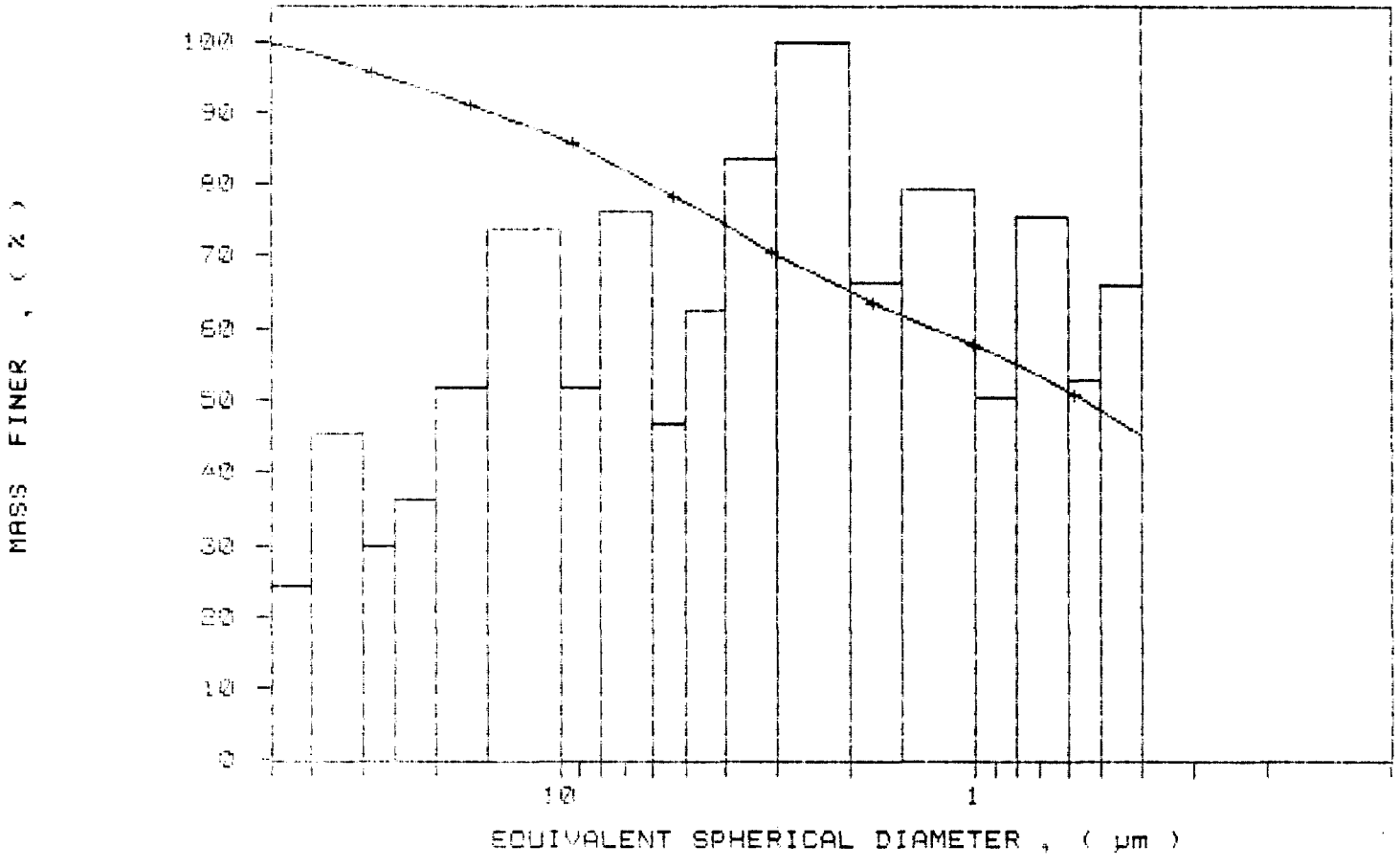
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.6	0.4
40.00	98.4	1.2
30.00	96.1	2.3
25.00	94.6	1.5
20.00	92.7	1.8
15.00	90.1	2.6
10.00	86.4	3.7
8.00	83.7	2.6
6.00	79.7	3.9
5.00	77.5	2.4
4.00	74.4	3.2
3.00	70.1	4.2
2.00	65.1	5.1
1.50	61.7	3.4
1.00	57.7	4.0
0.80	55.1	2.6
0.60	51.3	3.8
0.50	48.6	2.7
0.40	45.3	3.3

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W3
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /311
SAMPLE ID: hole 89-26 # 2067
SUBMITTER: # 3
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:47:11 11/14/90
REPRT 13:35:53 08/29/91
TOT RUN TIME 0:06:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

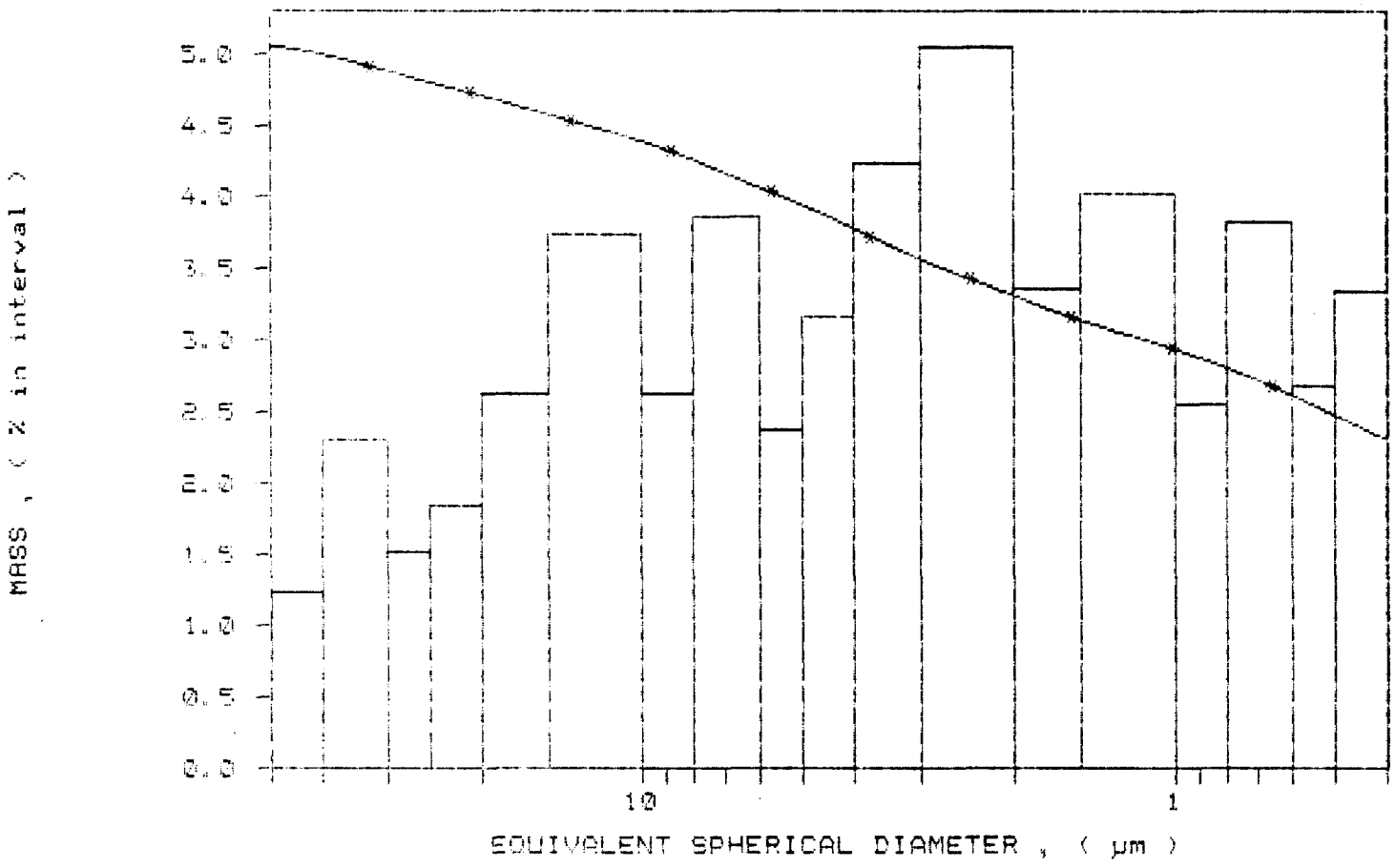
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /211
SAMPLE ID: hole 89-26 # 2067
SUBMITTER: # 23
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:47:11 11/14/90
REPRT 13:35:53 08/29/91
TOT RUN TIME 0:06:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /312
SAMPLE ID: Mole 89-26 # 2068
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:28:59 11/14/90
REPRT 13:43:20 08/29/91
TOT RUN TIME 0:12:31
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.30 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.54 µm MODAL DIAMETER: 3.26 µm

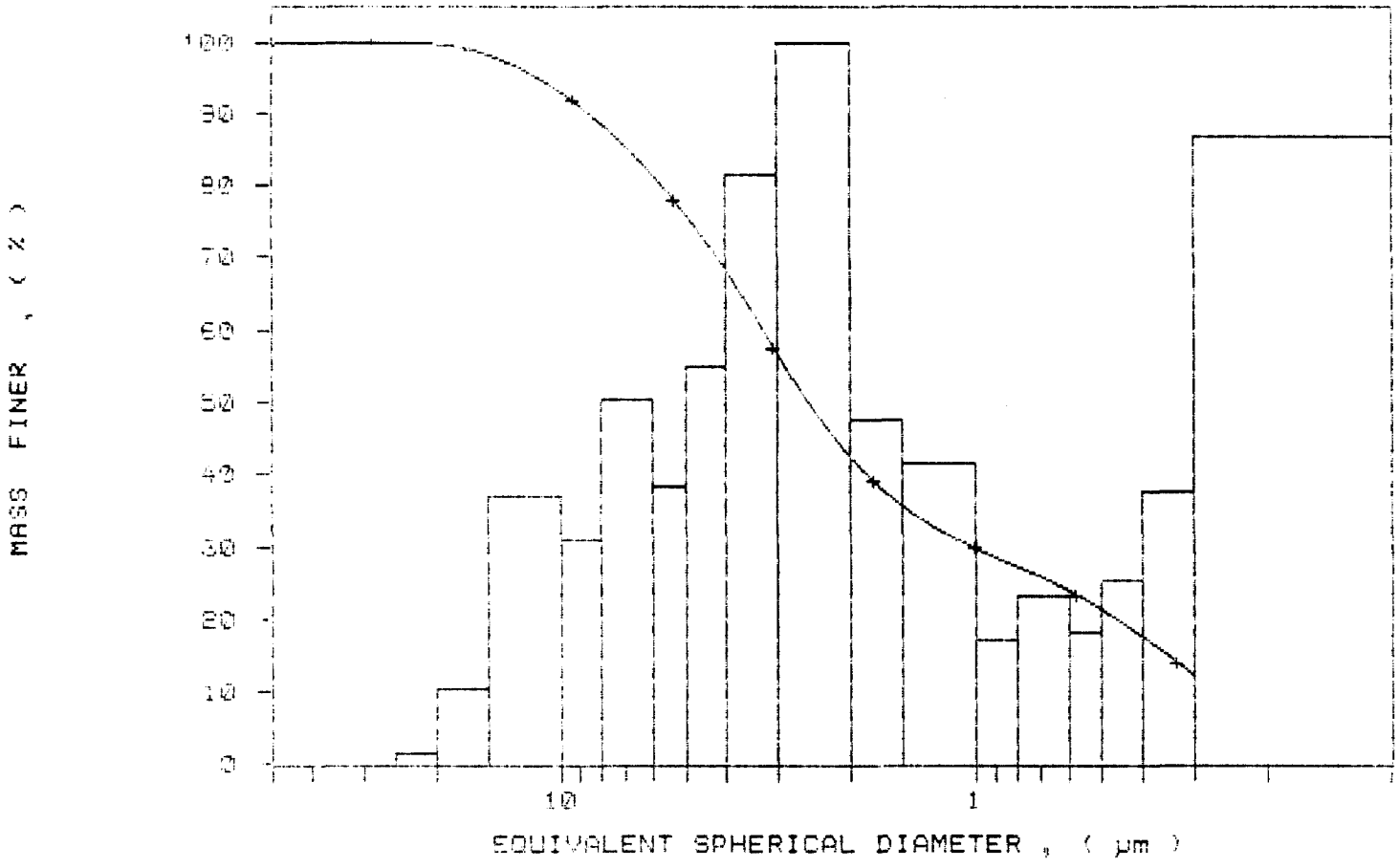
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.7	0.3
40.00	99.8	-0.1
30.00	99.9	-0.1
25.00	99.9	-0.0
20.00	99.7	0.3
15.00	96.2	1.5
10.00	92.9	5.3
8.00	88.5	4.4
6.00	81.3	7.2
5.00	75.9	5.4
4.00	68.1	7.8
3.00	56.5	11.6
2.00	42.3	14.2
1.50	35.6	6.7
1.00	29.6	5.9
0.80	27.2	2.5
0.60	23.9	3.3
0.50	21.3	2.6
0.40	17.6	3.6
0.30	12.3	5.3

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /512
SAMPLE ID: Hole 89-26 # 2068
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:28:59 11/14/90
REPRT 13:43:20 08/29/91
TOT RUN TIME 0:12:51
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

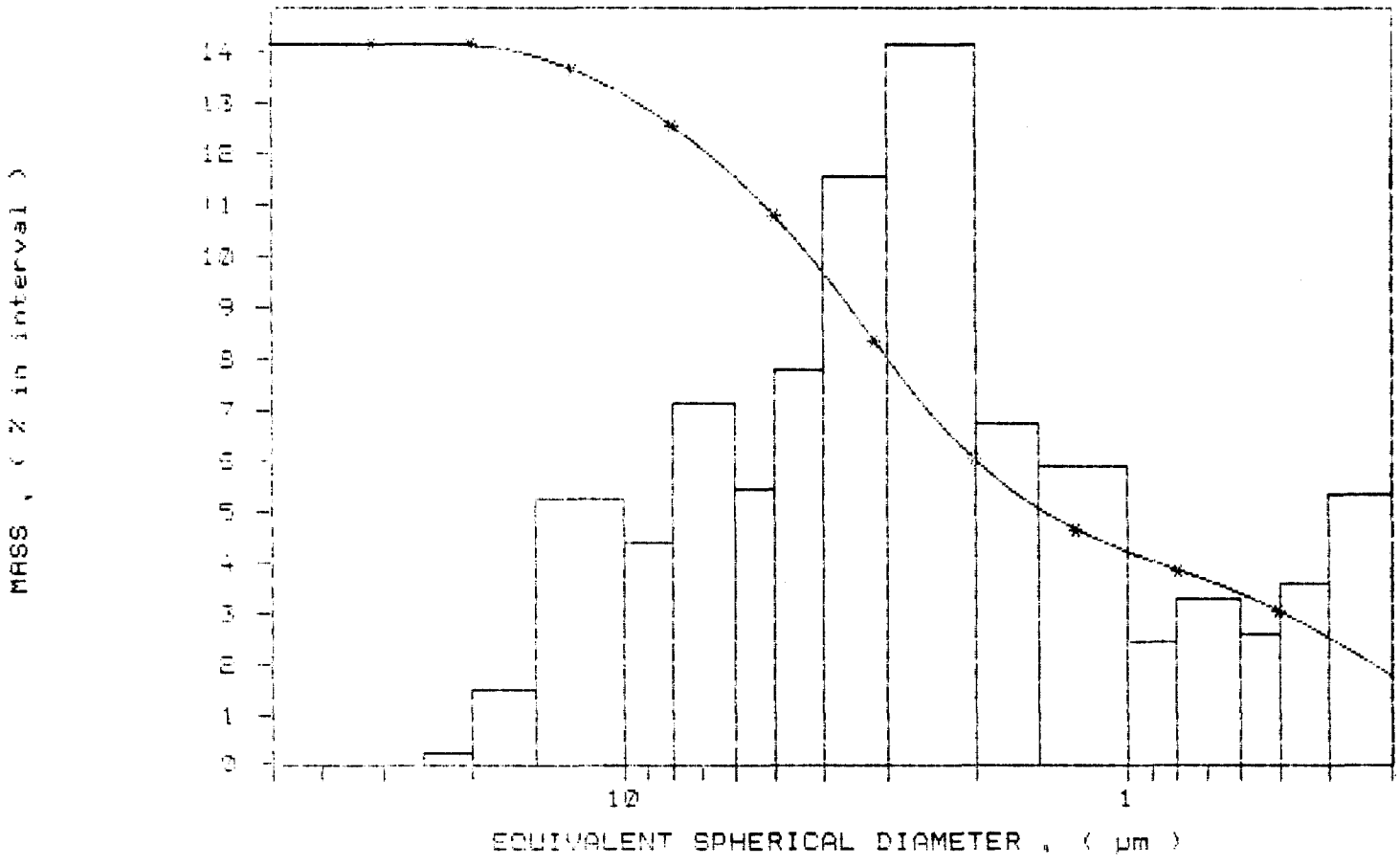
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /312
SAMPLE ID: Hole 89-25 # 2053
SUBMITTER: # 59
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:28:59 11/14/90
REPRT 13:43:20 08/29/91
TOT RUN TIME 0:12:31
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03

SAMPLE DIRECTORY/NUMBER: DATA5 /213
SAMPLE ID: Hole 89-26 # 2069
SUBMITTER: # 22
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:53:39 11/14/90
REPRT 13:50:45 08/29/91
TOT RUN TIME 0:07:12
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.78 µm MODAL DIAMETER: 0.40 µm

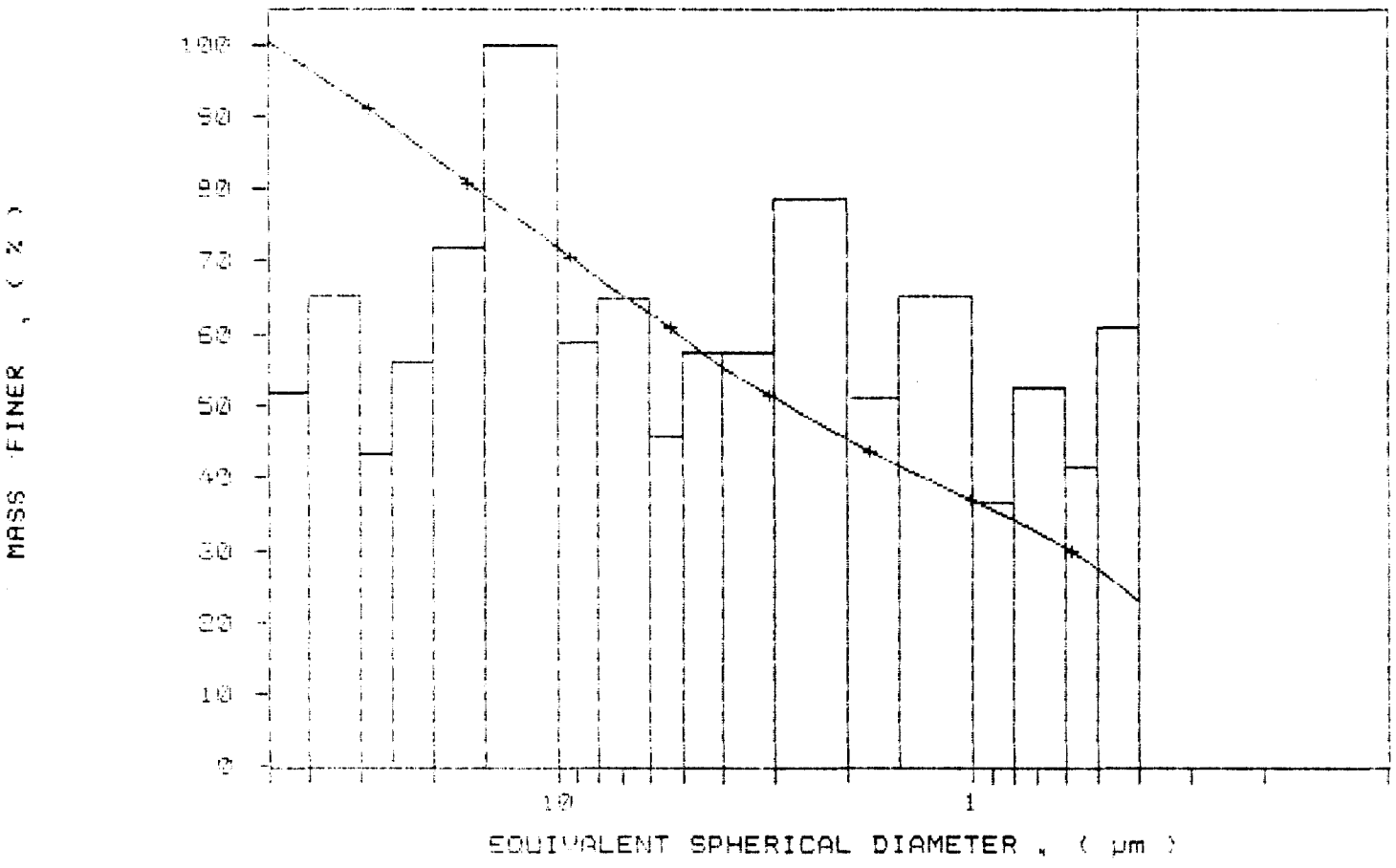
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.3	-0.3
40.00	96.5	3.8
30.00	91.8	4.8
25.00	88.6	5.2
20.00	84.5	4.1
15.00	79.2	5.3
10.00	71.9	7.3
8.00	67.6	4.3
6.00	62.9	4.8
5.00	59.5	3.4
4.00	55.3	4.2
3.00	51.1	4.2
2.00	45.4	5.7
1.50	41.6	3.7
1.00	36.9	4.8
0.80	34.2	2.7
0.60	30.3	3.8
0.50	27.3	3.1
0.40	22.8	4.5

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /315
SAMPLE ID: note 69-2c # 2069
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:53:39 11/14/90
REPRT 13:50:45 08/29/91
TOT RUN TIME 0:07:12
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

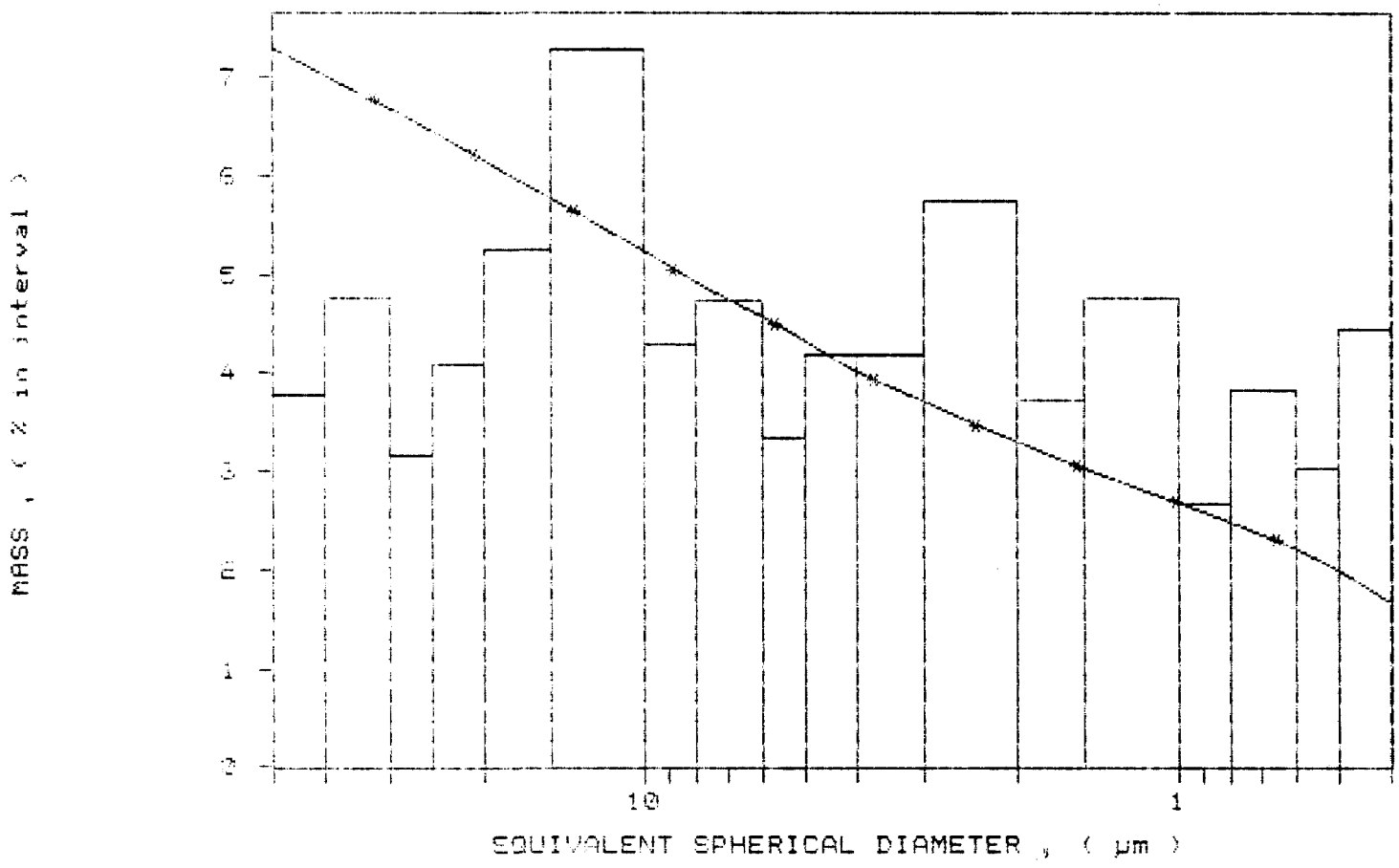
CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY,NUMBER: DATA3 /215
SAMPLE ID: Mole 89-25 # 2069
SUBMITTER: # 29
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:53:39 11/14/90
REPRT 13:50:45 08/29/91
TOT RUN TIME 0:07:12
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

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SAMPLE DIRECTORY/NUMBER: DATA3 /316
SAMPLE ID: Hole 89-26 #2070
SUBMITTER: # 35
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:45:39 11/15/90
REPRT 14:05:58 08/29/91
TOT RUN TIME 0:06:41
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 6.66 µm MODAL DIAMETER: 20.03 µm

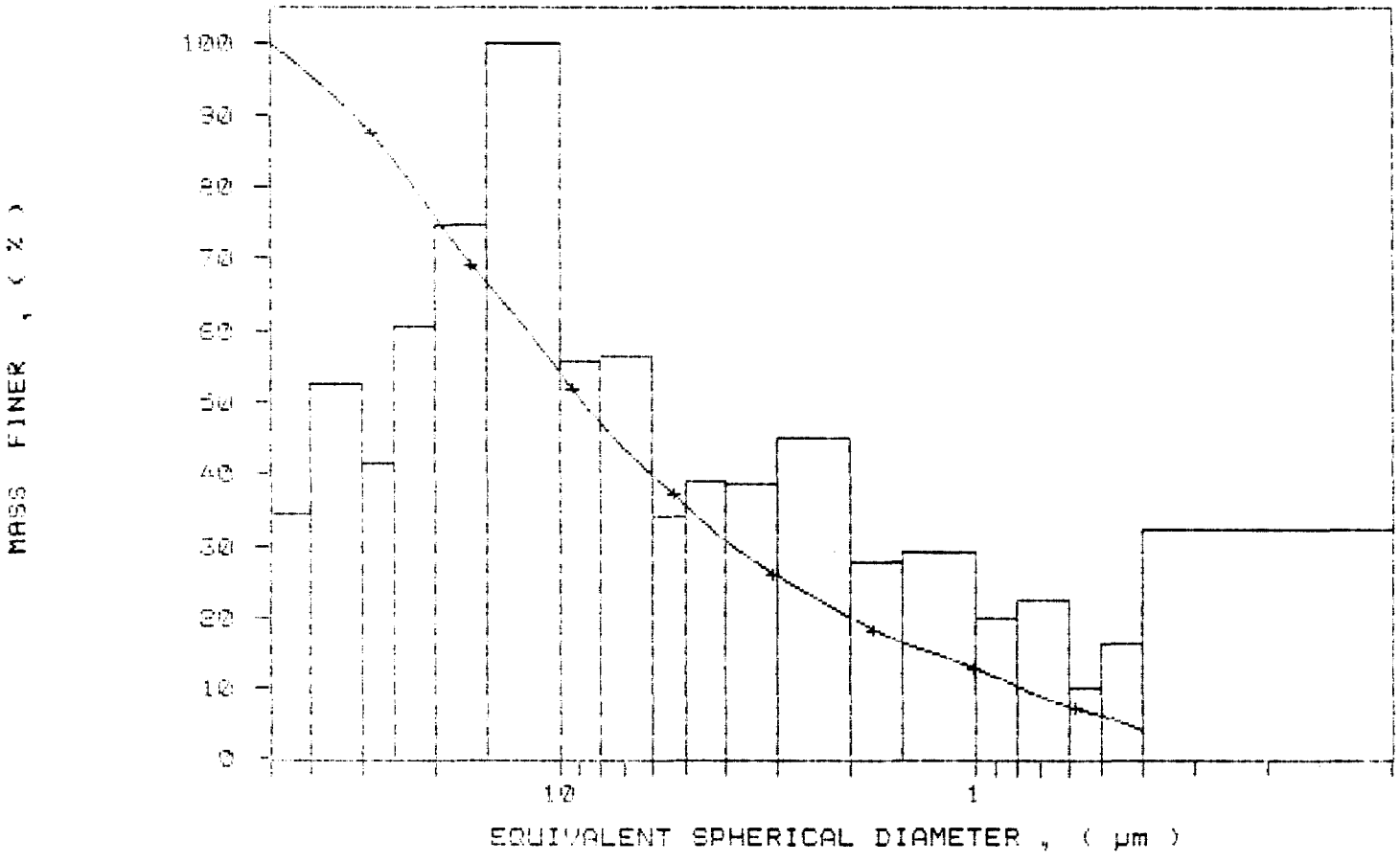
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.7	0.3
40.00	95.4	4.4
30.00	82.6	6.6
25.00	83.3	5.2
20.00	75.5	7.6
15.00	66.5	9.4
10.00	54.0	12.5
8.00	47.0	7.0
6.00	39.9	7.1
5.00	35.6	4.3
4.00	30.6	4.9
3.00	25.8	4.9
2.00	20.1	5.7
1.50	16.6	3.5
1.00	12.9	3.7
0.80	10.3	2.5
0.60	7.5	2.9
0.50	6.2	1.3
0.40	4.1	2.1

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /316
SAMPLE ID: Hole 29-2C #2070
SUBMITTER: # 59
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:45:39 11/15/90
REPRT 14:05:58 08/29/91
TOT RUN TIME 0:06:41
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

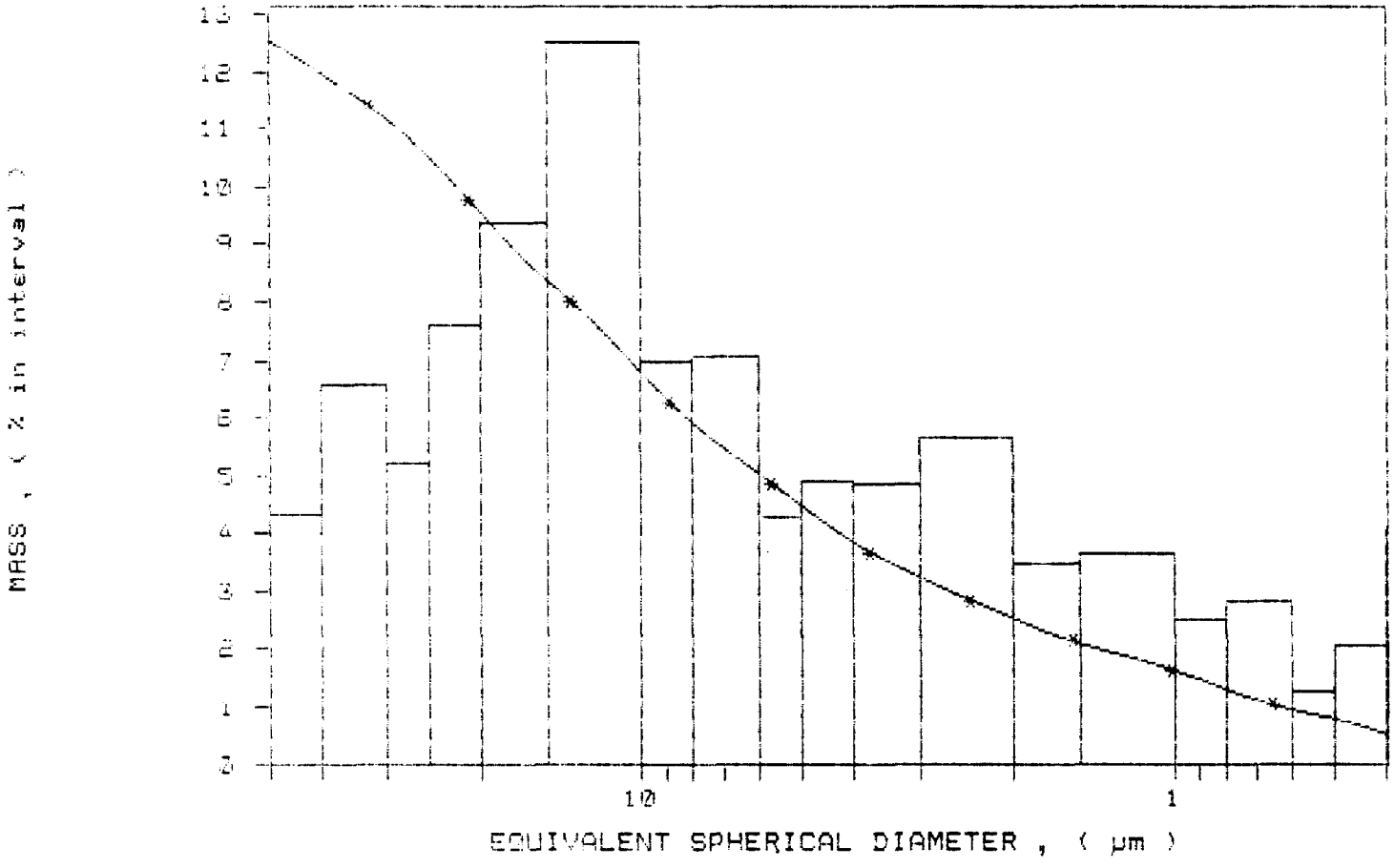
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /316
SAMPLE ID: Hole d9-65 #2070
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:45:39 11/15/90
REPRT 14:05:58 08/29/91
TOT RUN TIME 0:06:41
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATAS /S18
SAMPLE ID: Hole 89-2c # 2071
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:10:47 11/16/90
REPRT 14:14:34 08/29/91
TOT RUN TIME 0:06:48
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.99 µm MODAL DIAMETER: 24.51 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.5	-0.5
40.00	98.2	2.3
30.00	94.0	4.2
25.00	89.7	4.2
20.00	84.3	5.4
15.00	78.2	6.1
10.00	69.9	8.3
8.00	66.1	3.8
6.00	61.0	5.1
5.00	58.0	3.0
4.00	54.4	3.6
3.00	50.0	4.3
2.00	45.7	4.4
1.50	42.4	3.2
1.00	38.5	3.9
0.60	35.9	2.6
0.50	32.3	3.6
0.40	29.7	2.5
0.40	26.2	3.5

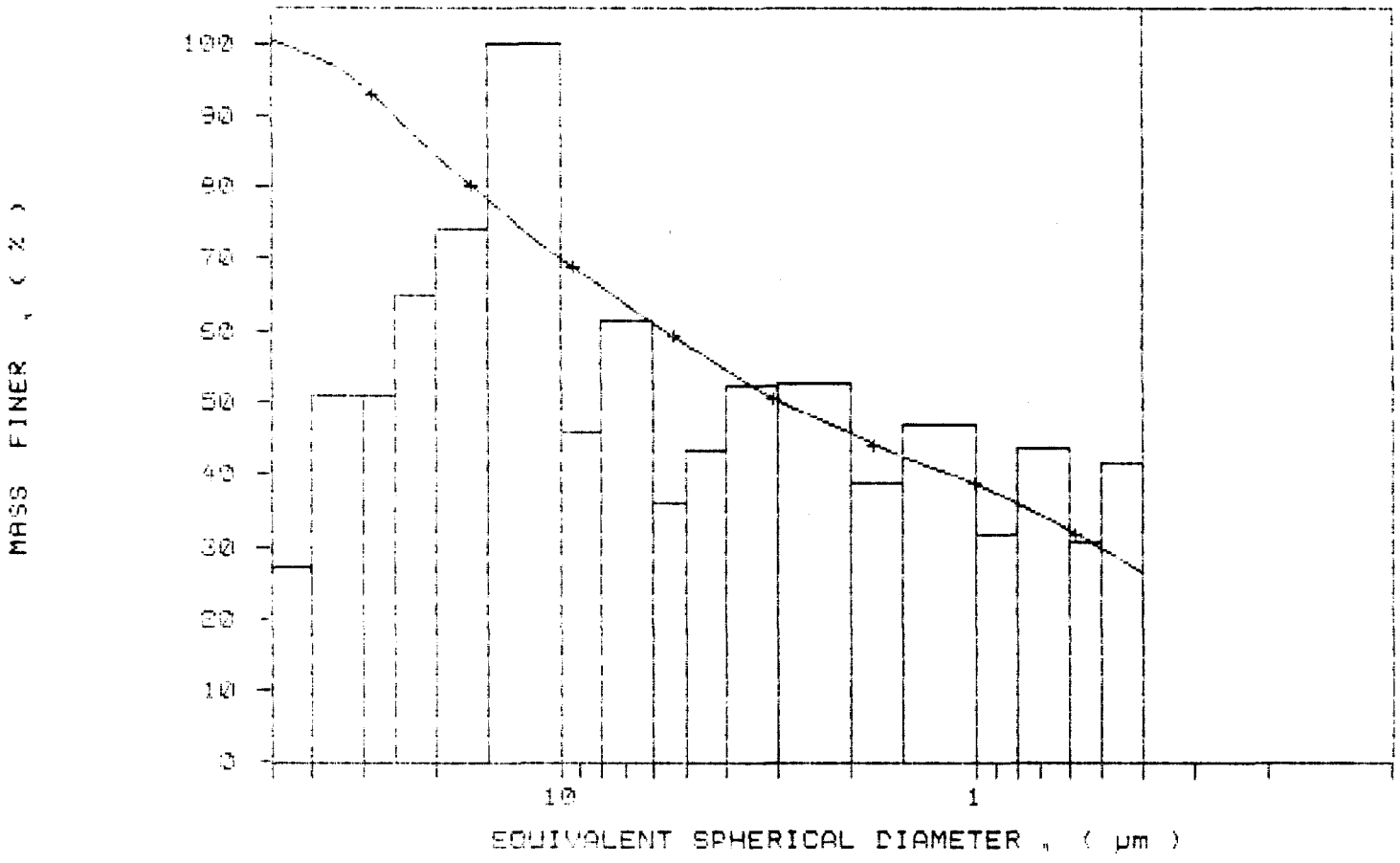
MINERAL RESEARCH
CANADA
INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416

DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /318
SAMPLE ID: Hole 89-25 # 2071
SUBMITTER: # 39
OPERATOR: KH
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:10:47 11/16/90
REPRT 14:14:34 08/29/91
TOT RUN TIME 0:06:46
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

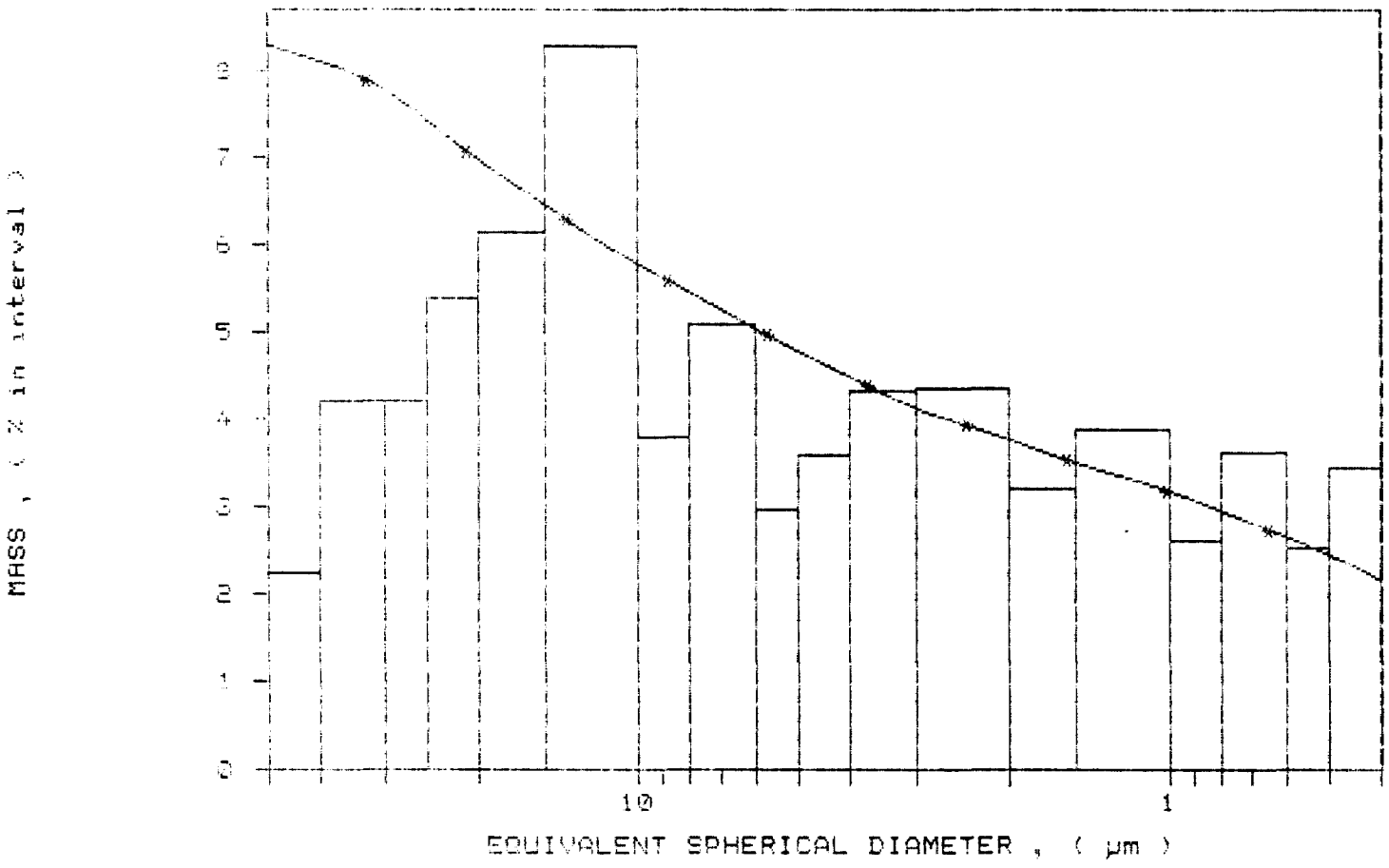
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /216
SAMPLE ID: Hole 89-26 # 2071
SUBMITTER: # 59
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:10:47 11/16/90
REPRT 14:14:34 08/29/91
TOT RUN TIME 0:06:48
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /319
SAMPLE ID: note Book # 2072
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:32:58 11/16/90
REPRT 14:22:54 08/29/91
TOT RUN TIME 0:06:47
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

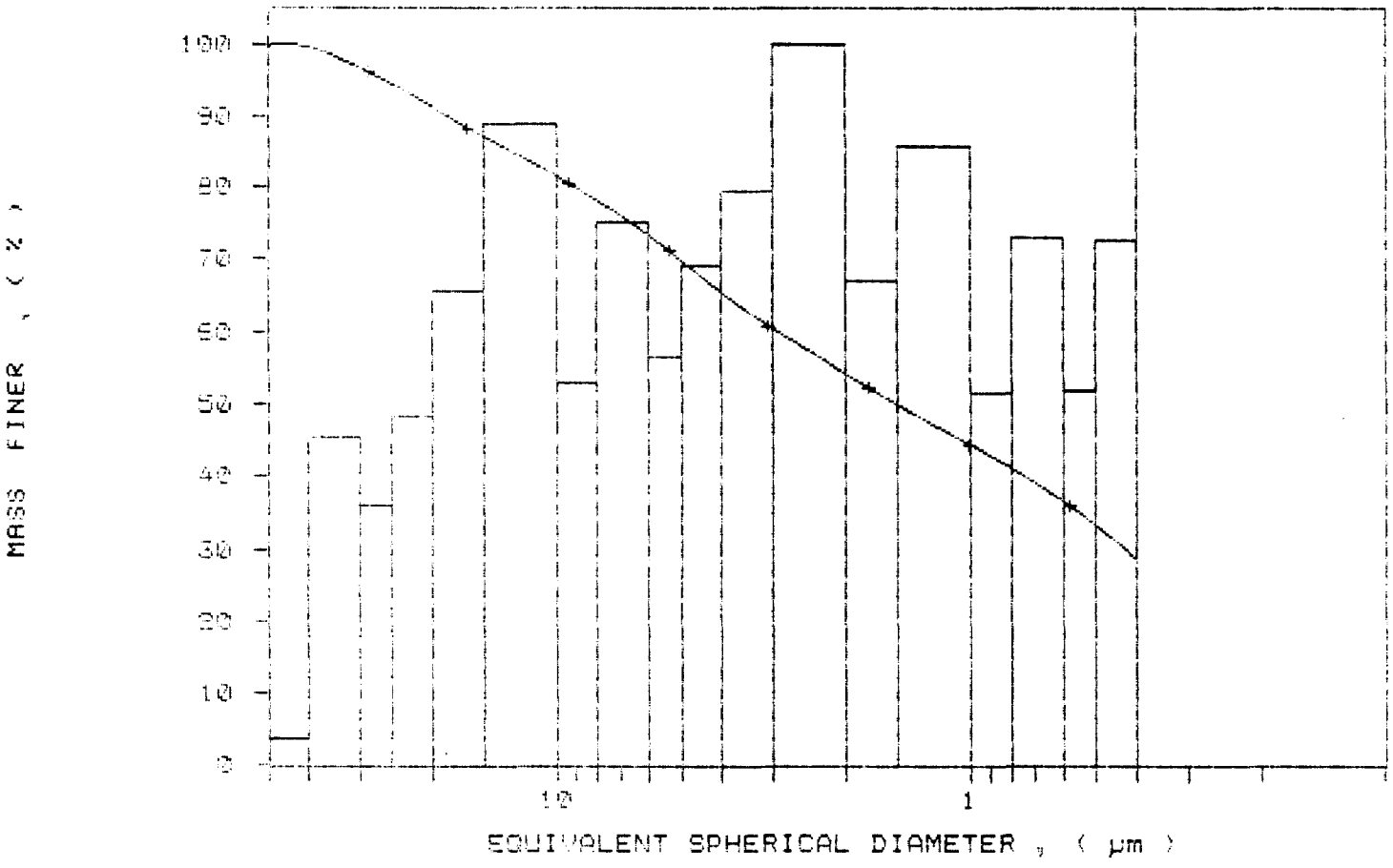
MEDIAN DIAMETER: 1.52 µm MODAL DIAMETER: 0.40 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.7	0.3
40.00	99.4	0.3
30.00	96.5	2.9
25.00	94.2	2.3
20.00	91.2	3.1
15.00	87.0	4.1
10.00	81.4	5.6
8.00	78.1	3.3
6.00	73.3	4.8
5.00	69.7	3.6
4.00	65.4	4.4
3.00	60.3	5.0
2.00	54.0	6.3
1.50	49.8	4.2
1.00	44.4	5.4
0.80	41.1	3.3
0.60	36.5	4.6
0.50	33.2	3.3
0.40	28.6	4.6

SAMPLE DIRECTORY/NUMBER: DATA5 /319
SAMPLE ID: hole 39-2b # 2672
SUBMITTER: # 39
OPERATOR: km
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:32:53 11/16/90
REPRT 14:22:54 08/29/91
TOT RUN TIME 0:06:47
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

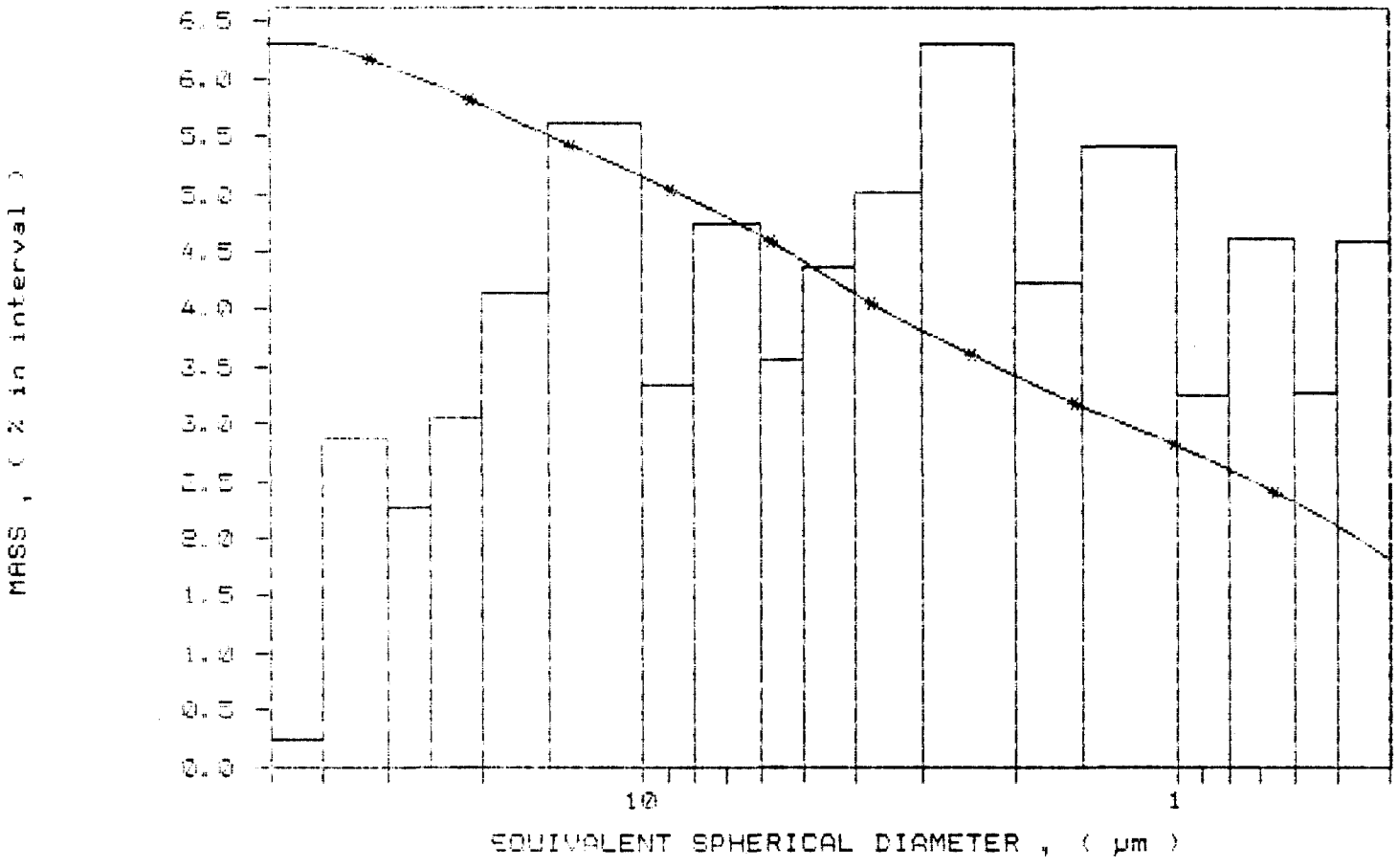
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA2 /319
SAMPLE ID: note 09-26 # 2072
SUBMITTER: # 59
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:32:53 11/16/90
REPRT 14:22:54 08/29/91
TOT RUN TIME 0:06:47
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /320
SAMPLE ID: Hole 89-06 # 2073
SUBMITTER: # 25
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 08:41:45 11/19/90
REPRT 14:30:20 08/29/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.39 µm MODAL DIAMETER: 4.70 µm

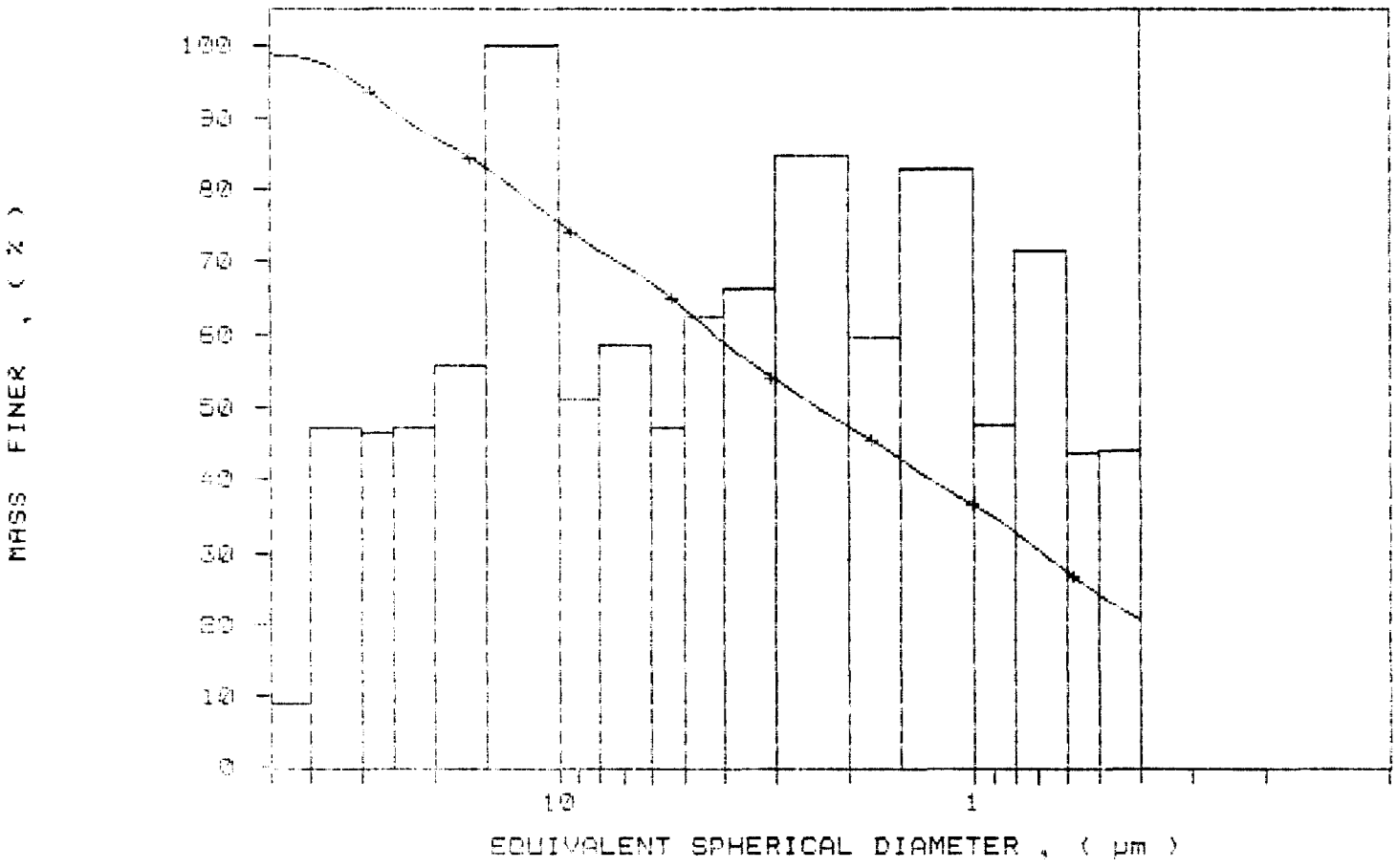
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.7	1.3
40.00	98.0	0.7
30.00	94.4	3.6
25.00	90.8	3.5
20.00	87.2	3.6
15.00	83.0	4.2
10.00	75.4	7.6
8.00	71.5	3.9
6.00	67.1	4.4
5.00	63.5	3.6
4.00	58.7	4.7
3.00	53.7	5.0
2.00	47.3	6.4
1.50	42.8	4.5
1.00	36.4	6.3
0.80	32.8	3.6
0.60	27.4	5.4
0.50	24.1	3.3
0.40	20.7	3.4

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /320
SAMPLE ID: Hole 89-26 # 2073
SUBMITTER: # 33
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 08:41:45 11/19/90
REPRT 14:30:20 08/29/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp

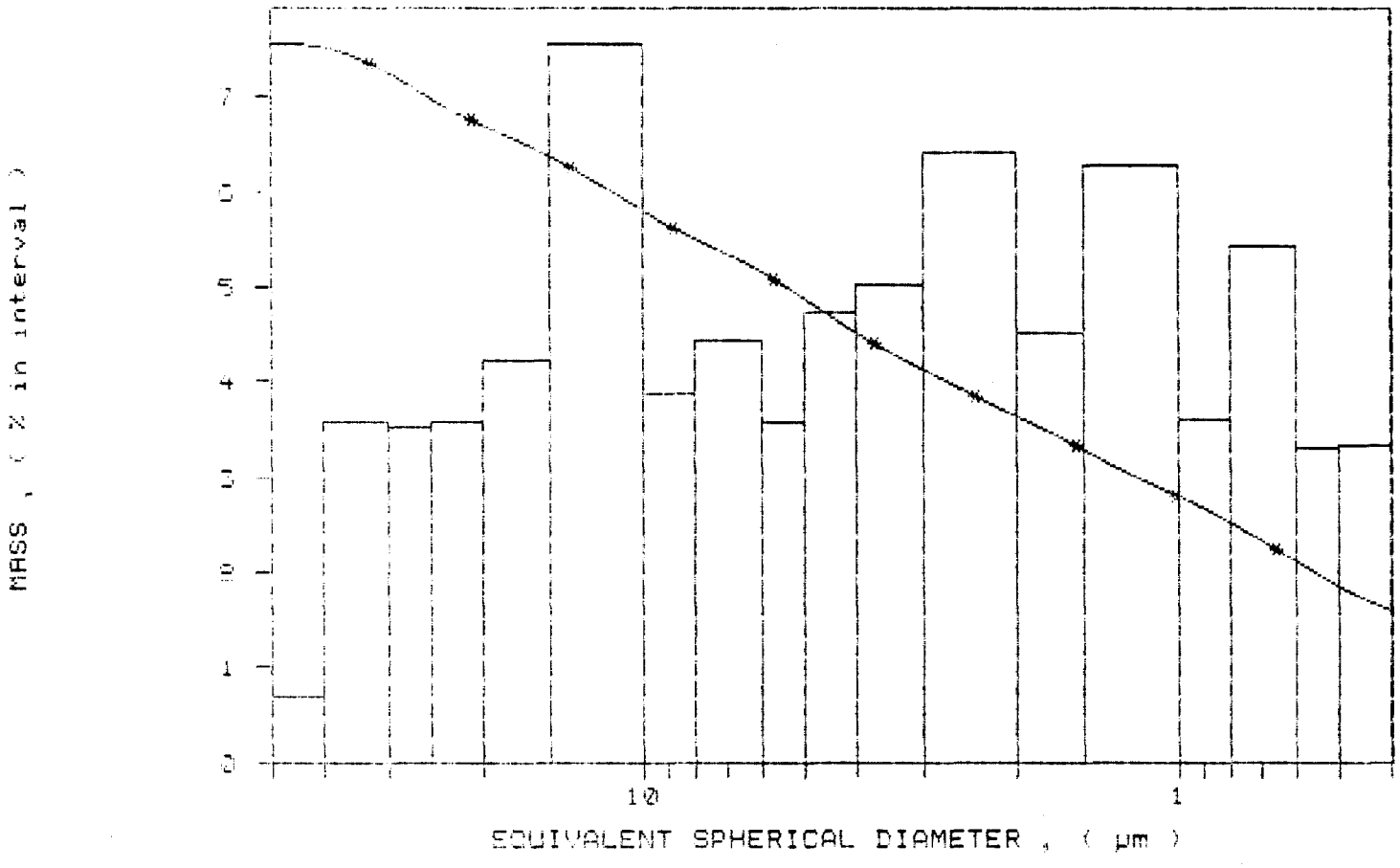
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /320
SAMPLE ID: Hole 89-2b # 2075
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 08:41:45 11/19/90
REPRT 14:30:20 08/29/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /821
SAMPLE ID: Hole 39-2b # 2074
SUBMITTER: # 3
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:01:50 11/13/90
REPRT 14:37:46 08/29/91
TOT RUN TIME 0:07:07
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

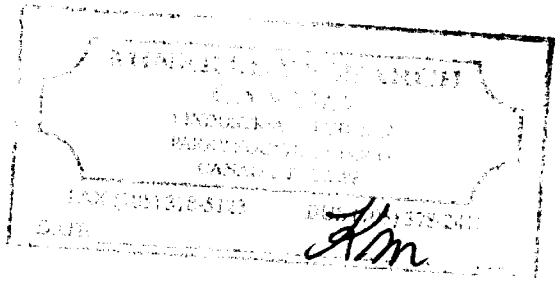
STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.17 µm MODAL DIAMETER: 5.47 µm

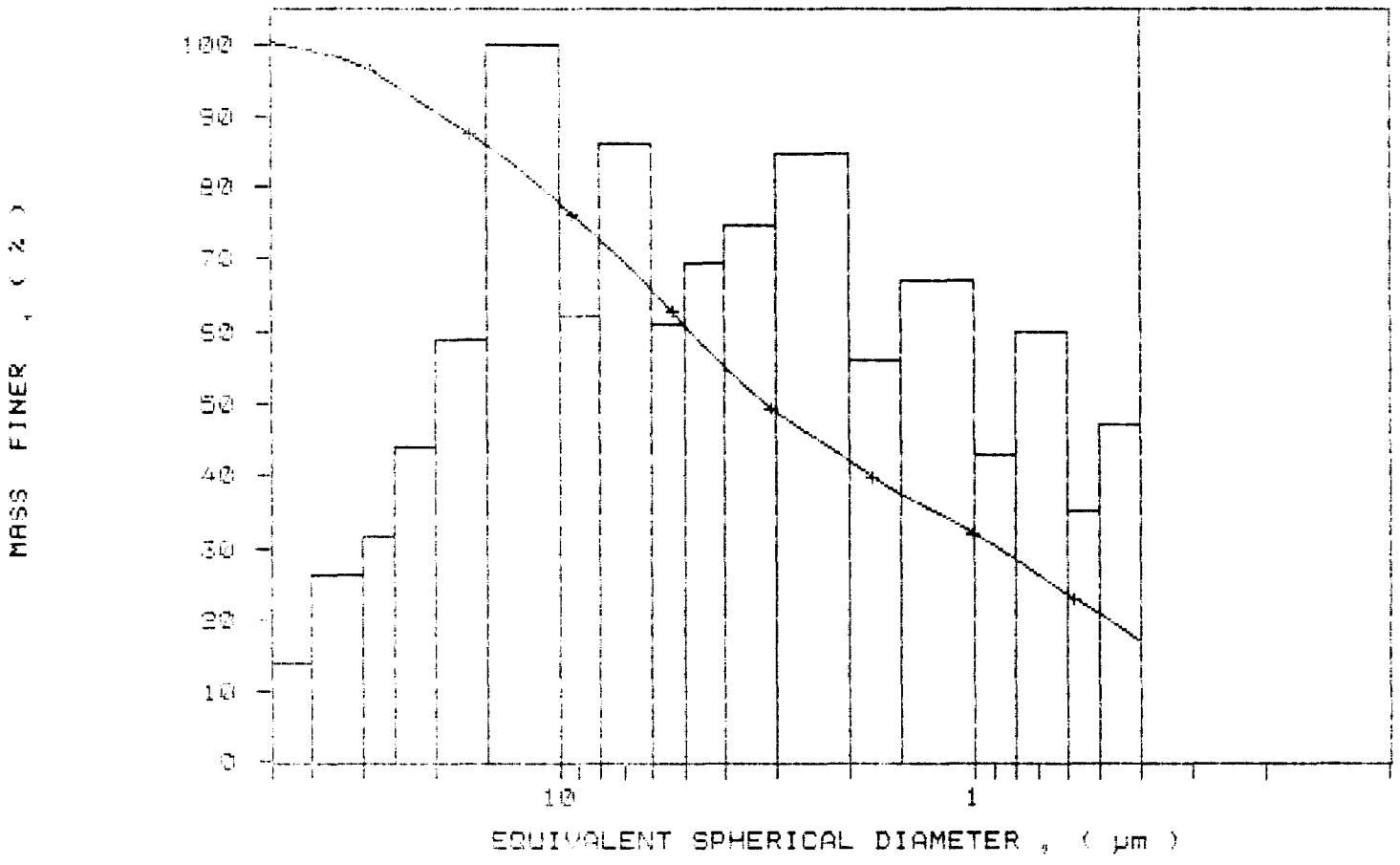
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.2	-0.2
40.00	99.0	1.2
30.00	96.9	2.2
25.00	94.3	2.6
20.00	90.7	3.6
15.00	85.9	4.8
10.00	77.7	8.1
8.00	72.7	5.1
6.00	65.7	7.0
5.00	60.7	5.0
4.00	55.0	5.7
3.00	48.9	6.1
2.00	42.0	6.9
1.50	37.4	4.6
1.00	32.0	5.5
0.80	28.5	3.6
0.60	23.6	4.9
0.50	20.7	2.9
0.40	16.9	3.9



SAMPLE DIRECTORY/NUMBER: DATA5 /321
SAMPLE ID: Mule 89-26 # 2074
SUBMITTER: # 3
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:01:50 11/19/90
REPRT 14:37:46 08/29/91
TOT RUN TIME 0:07:07
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

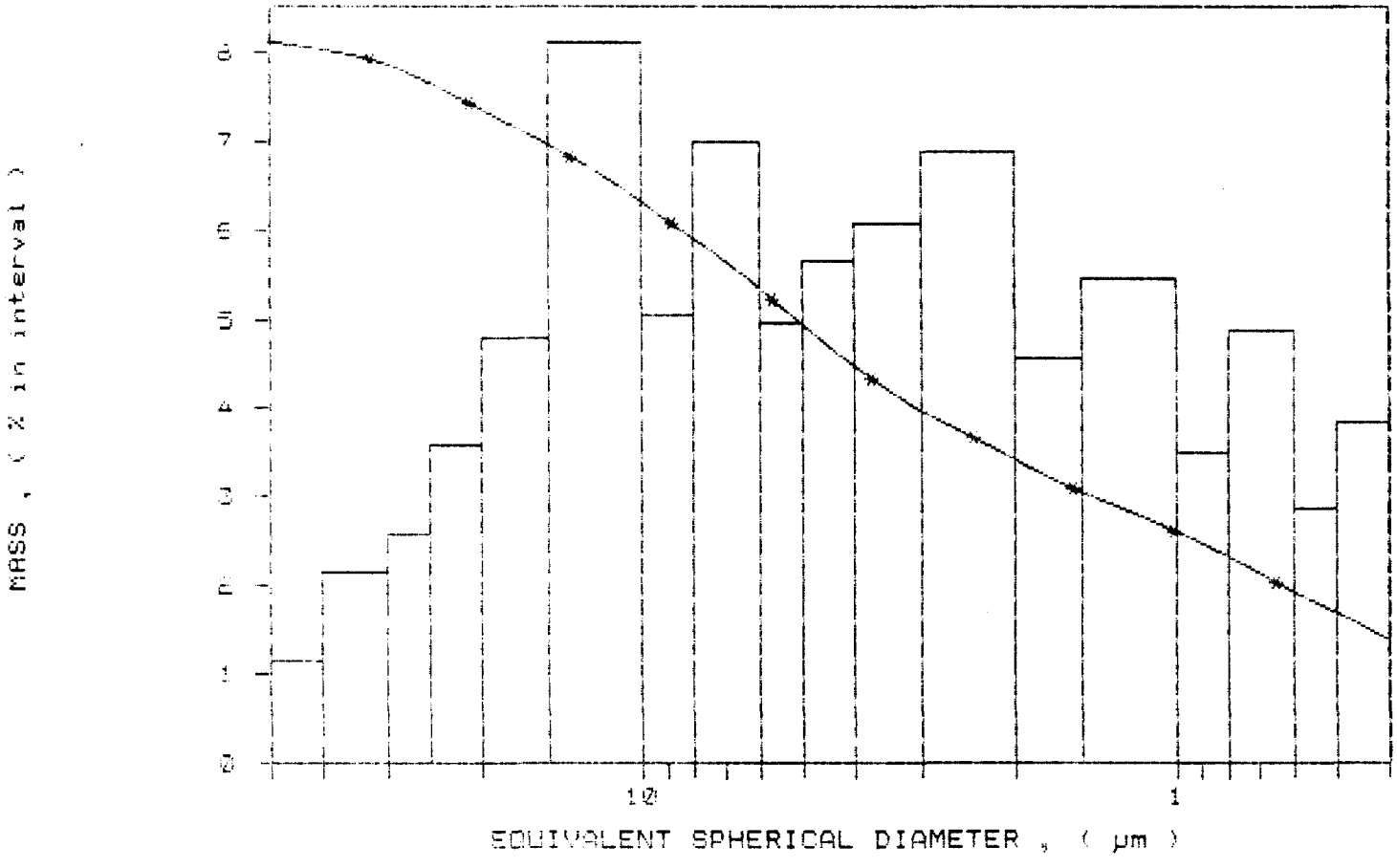
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /321
SAMPLE ID: Mole 89-E6 # 2074
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:01:50 11/19/90
REPRT 14:37:46 08/29/91
TOT RUN TIME 0:07:07
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



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SAMPLE DIRECTORY/NUMBER: DATA2 /822
SAMPLE ID: note 89-26 # 2075
SUBMITTER: # 89
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:15:59 11/19/90
REPRT 14:45:12 08/29/91
TOT RUN TIME 0:07:01
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.35 µm MODAL DIAMETER: 0.40 µm

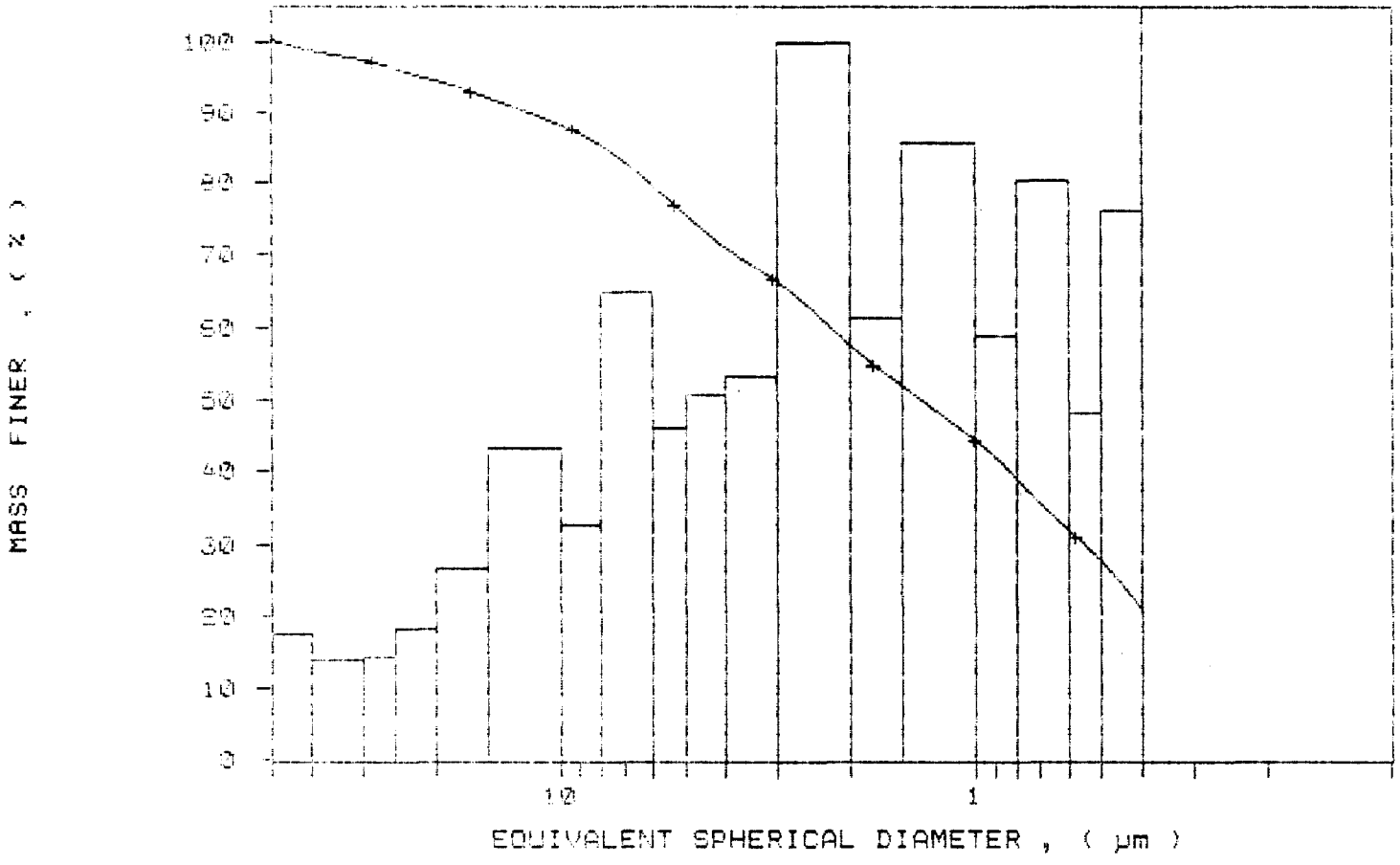
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.2	-0.2
40.00	96.7	1.6
30.00	87.4	1.3
25.00	86.1	1.8
20.00	84.3	1.6
15.00	82.1	2.4
10.00	78.2	3.9
8.00	75.3	2.9
6.00	70.5	4.8
5.00	75.5	4.1
4.00	71.0	4.5
3.00	66.2	4.7
2.00	57.4	8.9
1.50	51.9	5.5
1.00	44.3	7.6
0.80	39.1	5.2
0.60	32.0	7.1
0.50	27.7	4.3
0.40	20.9	6.7

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /522
SAMPLE ID: Hole 89-26 # 2075
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:15:59 11/19/90
REPRT 14:45:12 08/29/91
TOT RUN TIME 0:07:01
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

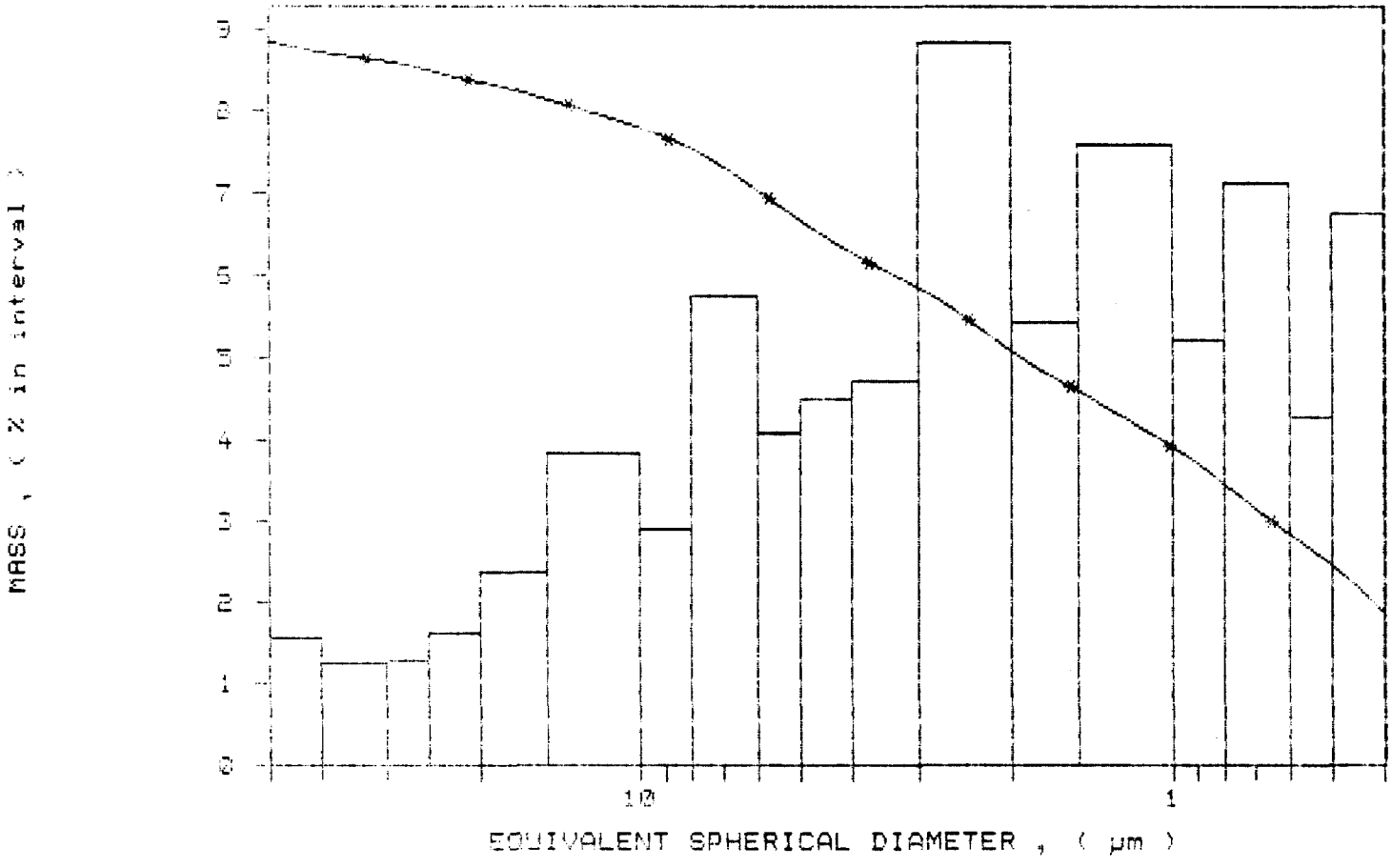
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /922
SAMPLE ID: Note 89-25 # 2075
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:15:59 11/19/90
REPRT 14:45:12 08/29/91
TOT RUN TIME 0:07:01
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DA:A3 /323
SAMPLE ID: Hole 89-26 # 2076
SUBMITTER: # 33
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:43:04 11/19/90
REPRT 14:52:39 08/29/91
TOT RUN TIME 0:07:05
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.76 µm MODAL DIAMETER: 0.54 µm

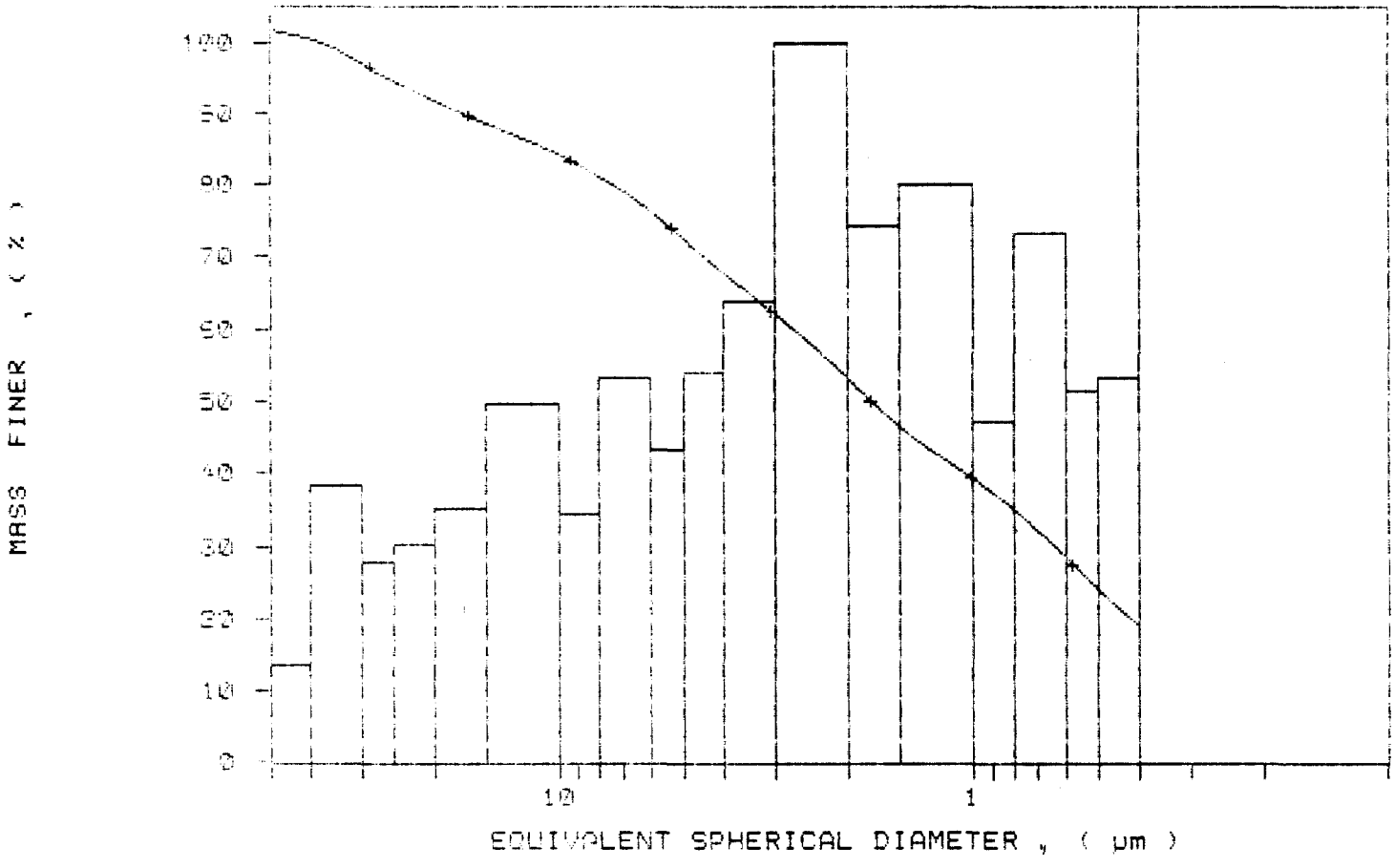
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	101.6	-1.6
40.00	100.4	1.2
30.00	97.0	3.4
25.00	94.5	2.5
20.00	91.7	2.7
15.00	88.6	3.1
10.00	84.2	4.4
8.00	81.1	3.1
6.00	76.3	4.7
5.00	72.5	3.9
4.00	67.6	4.8
3.00	61.9	5.7
2.00	53.0	8.9
1.50	46.4	6.6
1.00	39.2	7.2
0.80	35.0	4.2
0.60	28.5	6.6
0.50	23.9	4.6
0.40	19.1	4.8

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /323
SAMPLE ID: Hole 39-26 # 2076
SUBMITTER: # 33
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:43:04 11/19/90
REPRT 14:52:39 08/29/91
TOT RUN TIME 0:07:05
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

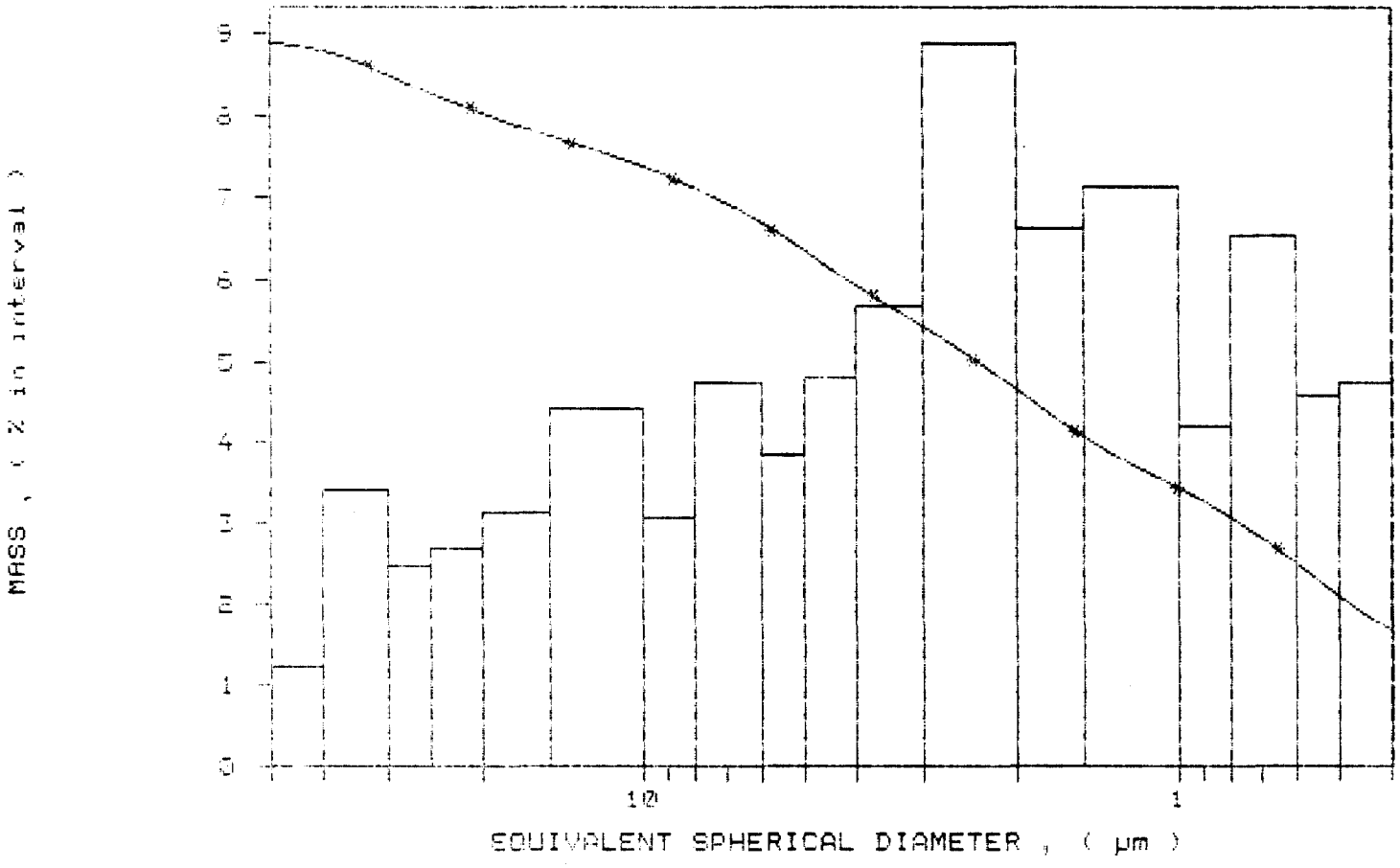
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /525
SAMPLE ID: Hole 89-26 # 2076
SUBMITTER: # 29
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:43:04 11/19/90
REPRT 14:52:39 08/29/91
TOT RUN TIME 0:07:05
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

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SAMPLE DIRECTORY/NUMBER: DATA3 /324
SAMPLE ID: Hole 89-26 # 207
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:02:04 11/13/90
REPRT 15:00:06 08/29/91
TOT RUN TIME 0:07:11
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.55 µm MODAL DIAMETER: 0.74 µm

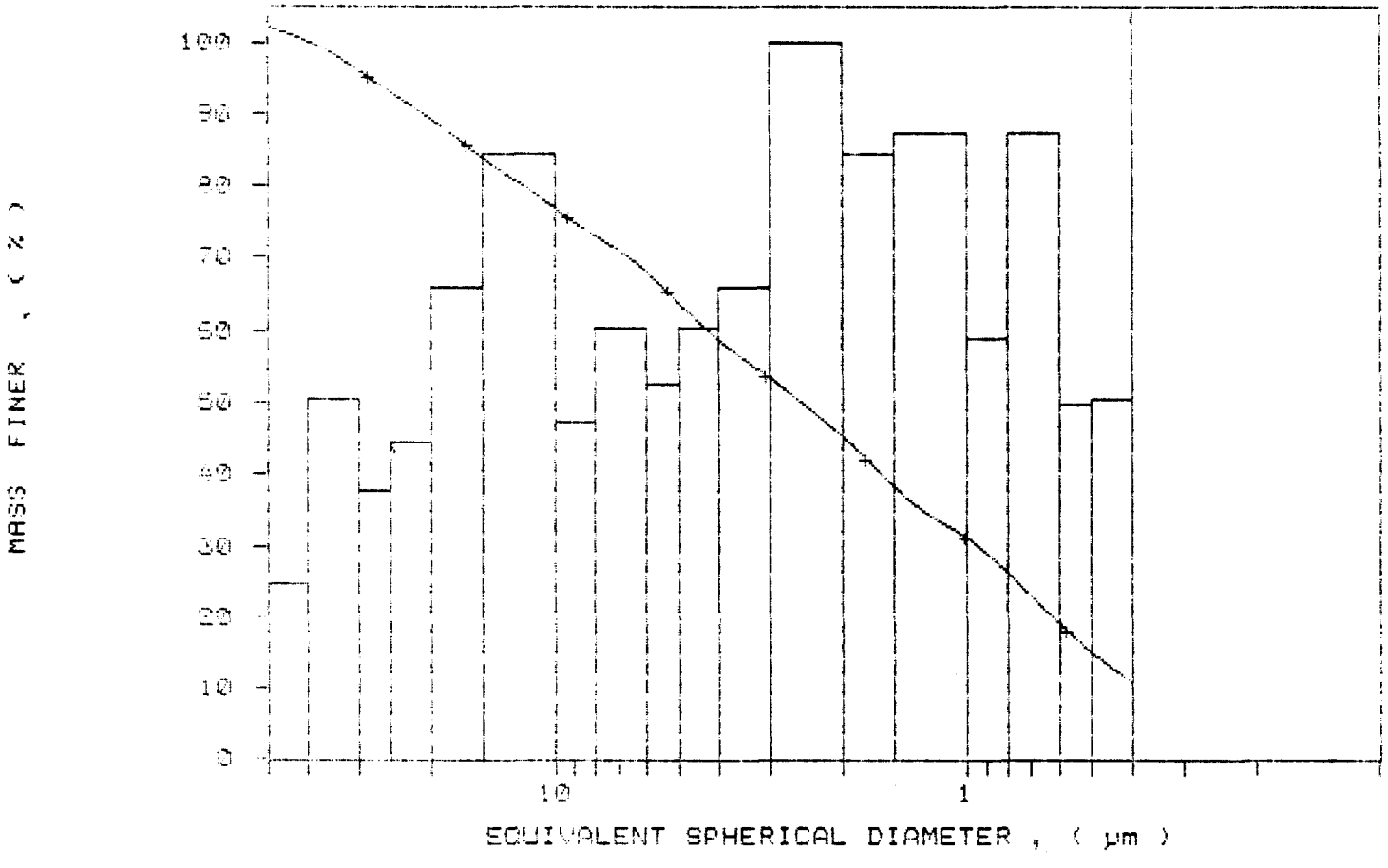
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	102.0	-2.0
40.00	100.0	2.0
30.00	95.9	4.1
25.00	92.8	3.1
20.00	89.1	3.7
15.00	83.7	5.4
10.00	76.5	6.9
8.00	72.3	3.9
6.00	67.5	4.9
5.00	63.6	4.3
4.00	58.7	5.0
3.00	53.2	5.4
2.00	45.6	6.2
1.50	38.1	6.9
1.00	31.9	7.2
0.80	26.1	4.8
0.60	19.0	7.2
0.50	14.9	4.1
0.40	10.7	4.1

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /324
SAMPLE ID: Hole 89-26 # 2077
SUBMITTER: # 39
OPERATOR: RM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:02:04 11/19/90
REPRT 15:00:06 08/29/91
TOT RUN TIME 0:07:11
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

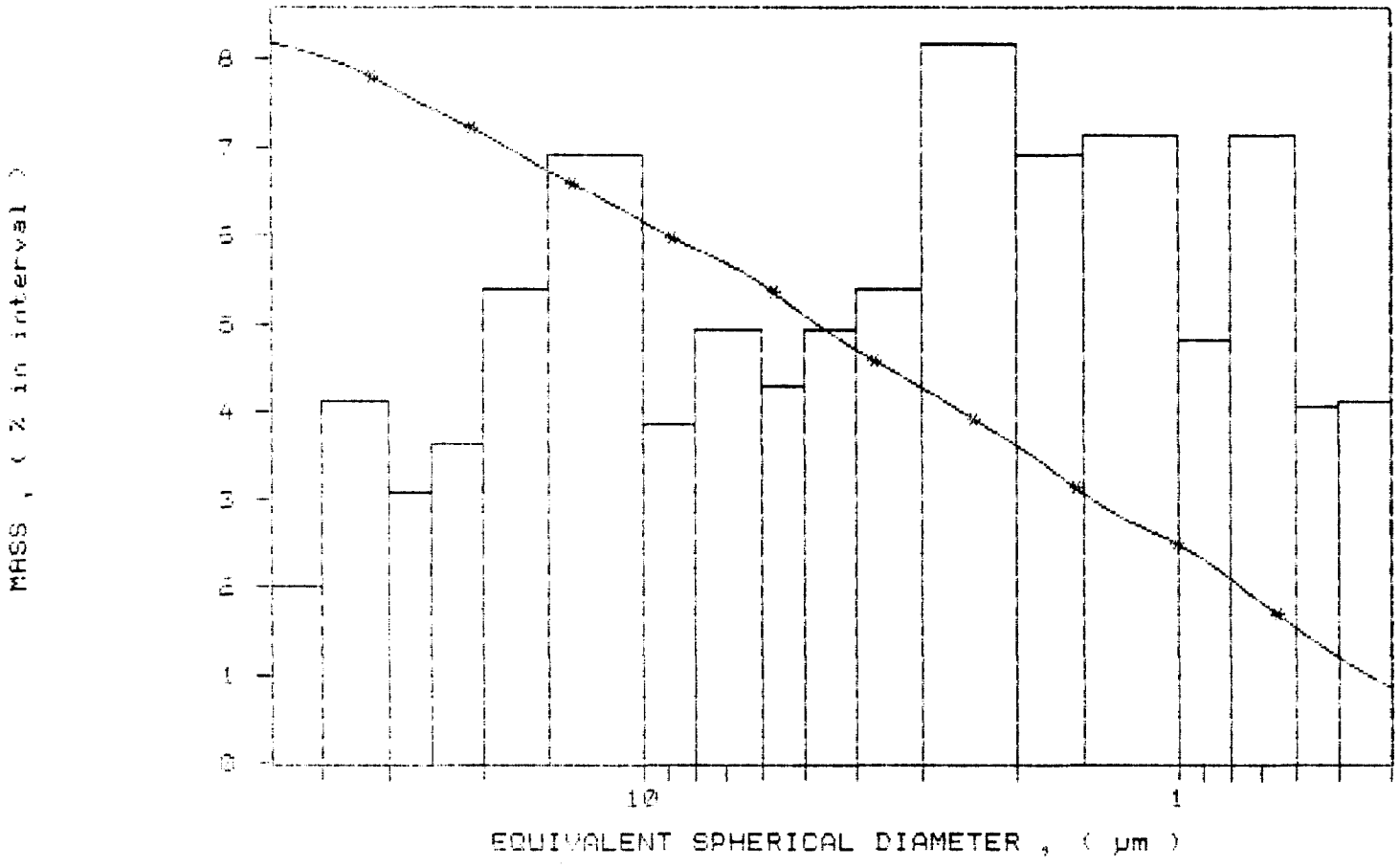
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY:NUMBER: DATA3 /324
SAMPLE ID: Hole 89-26 # 2077
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:02:04 11/19/90
REPRT 15:00:06 08/29/91
TOT RUN TIME 0:07:11
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7266 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

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SAMPLE DIRECTORY/NUMBER: DATA3 /325
SAMPLE ID: Hole 89-26 # 2078
SUBMITTER: # 59
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 08:55:36 11/22/90
REPRT 15:07:33 08/29/91
TOT RUN TIME 0:07:08
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.98 µm MODAL DIAMETER: 0.57 µm

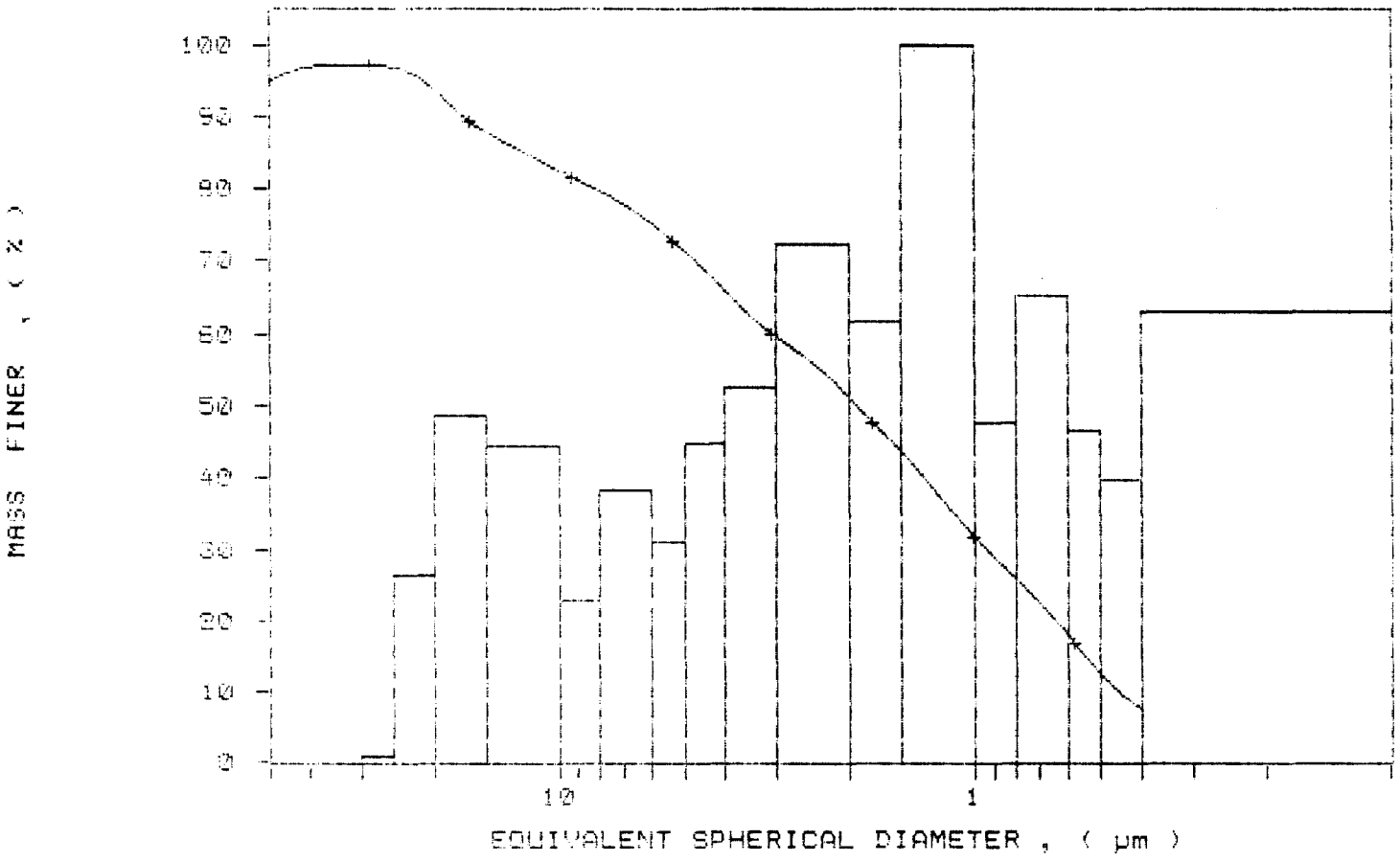
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	94.7	5.3
40.00	96.8	-2.1
30.00	96.9	-0.1
25.00	96.7	0.1
20.00	93.6	3.2
15.00	87.7	5.8
10.00	82.4	5.3
8.00	79.7	2.8
6.00	75.0	4.6
5.00	71.3	3.7
4.00	65.9	5.4
3.00	59.5	6.3
2.00	50.9	8.7
1.50	43.5	7.4
1.00	31.5	12.0
0.80	28.8	6.7
0.60	16.0	7.8
0.50	12.4	5.6
0.40	7.6	4.8

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /025
SAMPLE ID: Hole 89-28 # 2078
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 08:55:36 11/22/90
REPRT 15:07:33 08/29/91
TOT RUN TIME 0:07:08
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

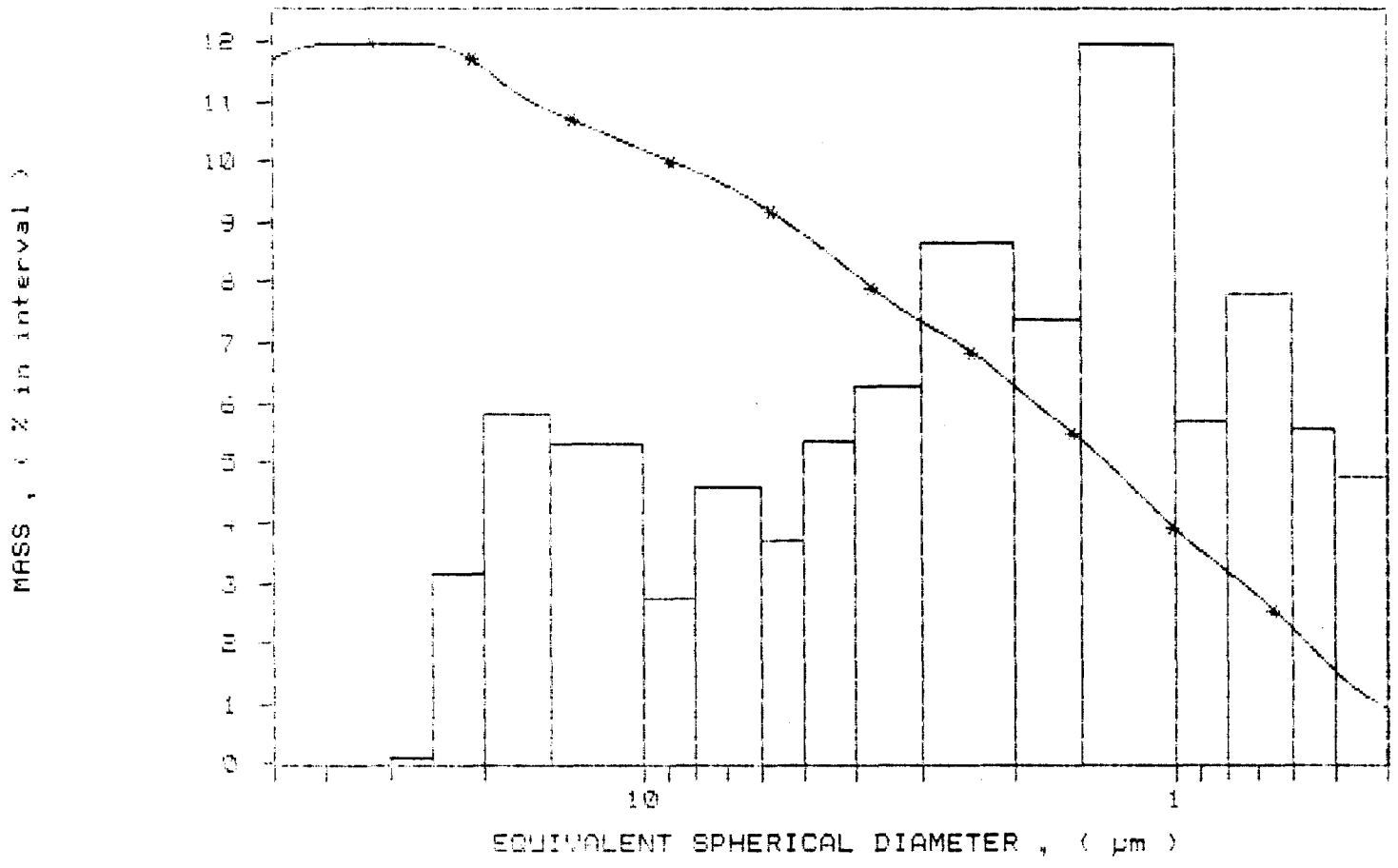
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA8 /525
SAMPLE ID: Hole 89-26 # 2078
SUBMITTER: # 29
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 08:55:36 11/22/90
REPRT 15:07:33 08/29/91
TOT RUN TIME 0:07:08
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT - FINER VS. DIAMETER



Clay

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SAMPLE DIRECTORY/NUMBER: DATA2 /326
SAMPLE ID: Hole 89-26 # 2079
SUBMITTER: # 26
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:20:20 11/22/90
REPRT 15:15:01 08/29/91
TOT RUN TIME 0:07:07
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.92 µm MODAL DIAMETER: 0.51 µm

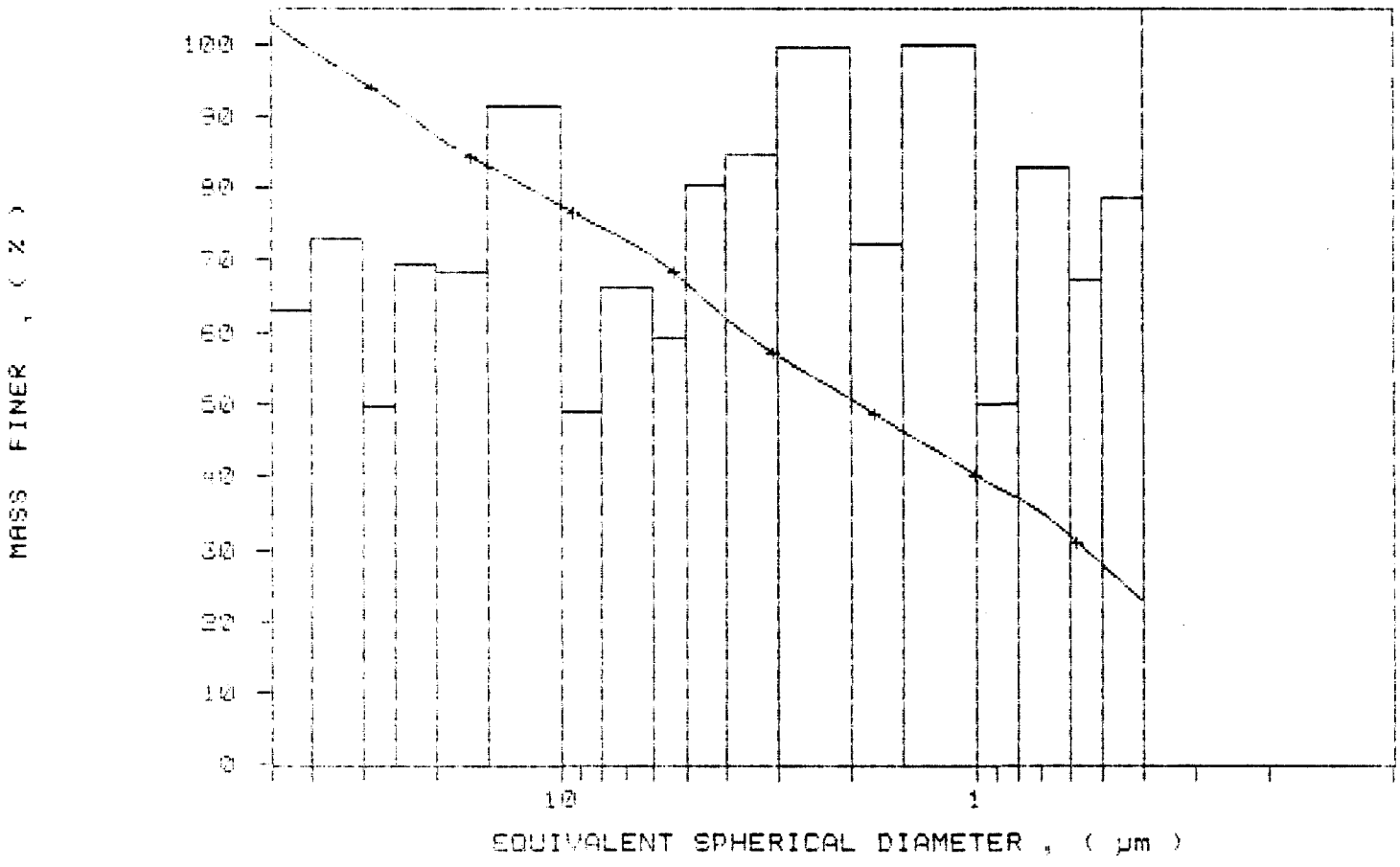
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	103.0	-3.0
40.00	99.1	3.9
30.00	94.6	4.5
25.00	91.6	3.0
20.00	87.8	4.8
15.00	83.1	4.2
10.00	77.5	5.6
8.00	74.5	3.0
6.00	70.5	4.1
5.00	66.8	3.6
4.00	61.9	4.9
3.00	56.7	5.2
2.00	50.6	6.1
1.50	46.2	4.4
1.00	40.1	6.1
0.80	37.0	3.1
0.60	31.9	5.1
0.50	27.8	4.1
0.40	23.0	4.8

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /326
SAMPLE ID: Mole 89-26 # 2075
SUBMITTER: # 30
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:20:20 11/22/90
REPRT 15:15:01 08/29/91
TOT RUN TIME 0:07:07
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



Clay

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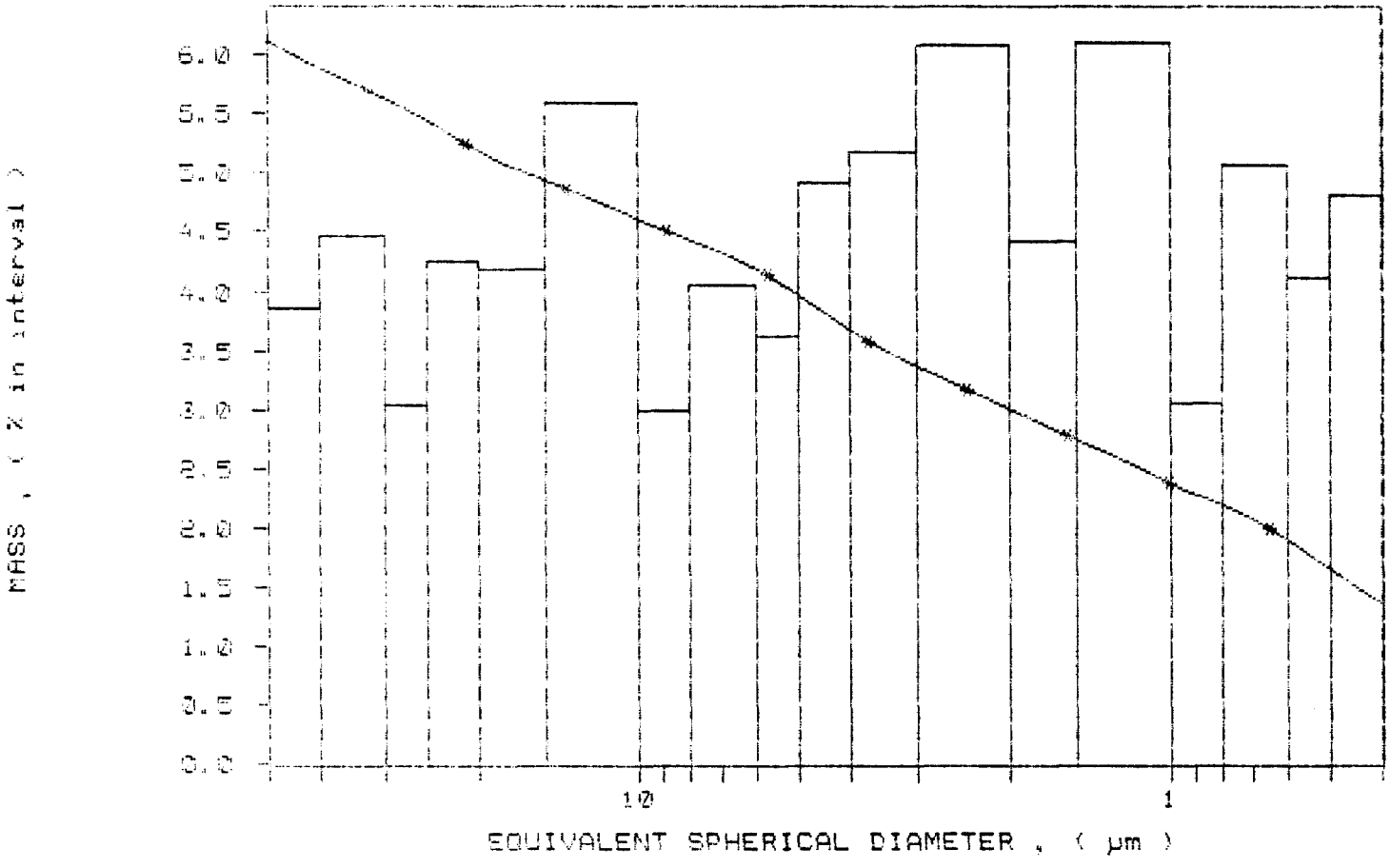
SAMPLE DIRECTORY/NUMBER: DATA3 /326
SAMPLE ID: note 03-26 # 2079
SUBMITTER: # 59
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:20:20 11/22/90
REPRT 15:15:01 08/29/91
TOT RUN TIME 0:07:07
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

Sedigraph 5100 V2.03 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /855
SAMPLE ID: Hole 89-26 # 2080
SUBMITTER: # 35
OPERATOR: Km
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 08:28:54 11/27/90
REPRT 15:22:29 08/29/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.79 µm MODAL DIAMETER: 0.51 µm

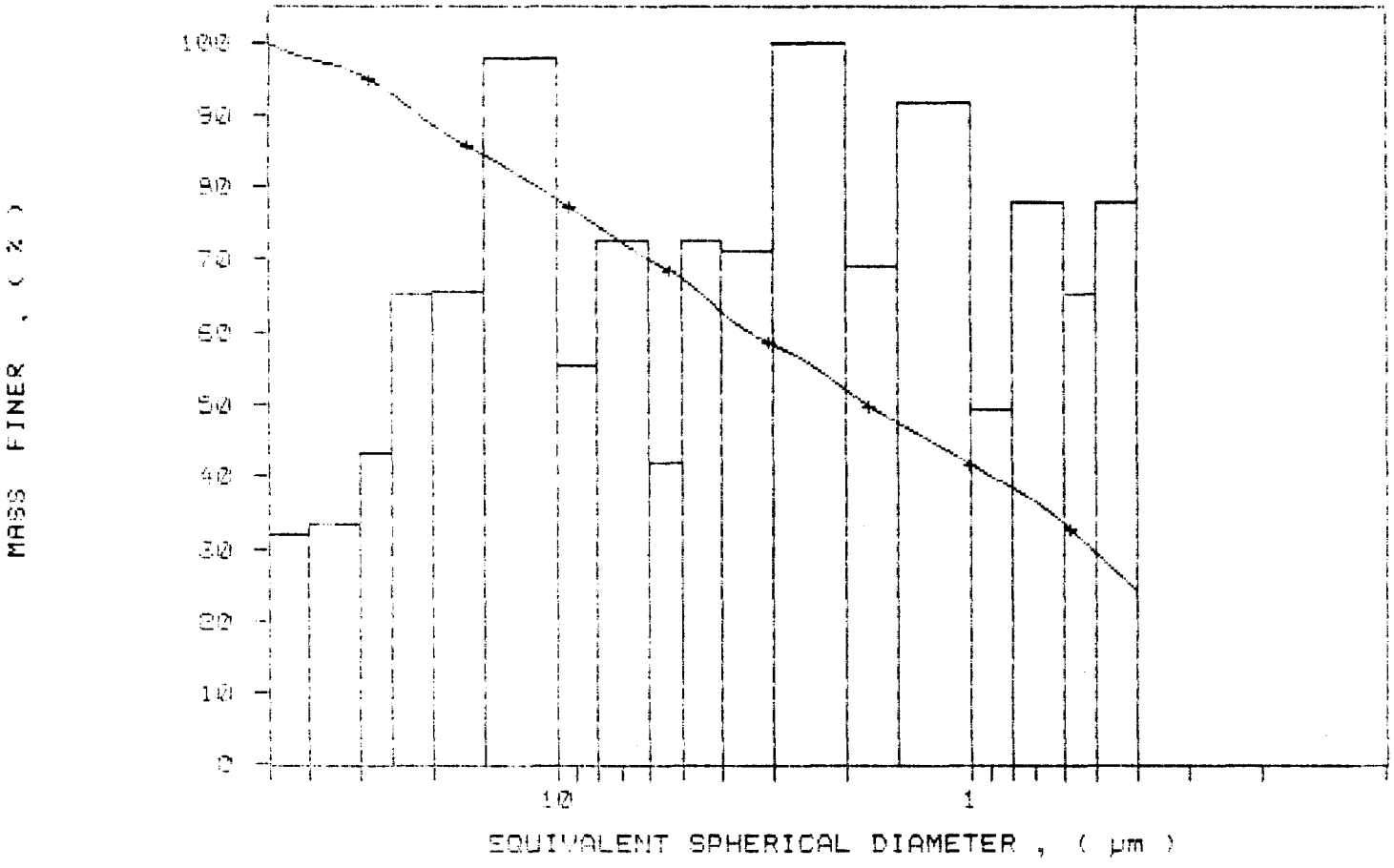
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.7	0.3
40.00	97.7	2.0
30.00	95.6	2.1
25.00	92.9	2.8
20.00	88.6	4.2
15.00	84.5	4.2
10.00	78.2	6.2
8.00	74.7	3.5
6.00	70.1	4.6
5.00	67.4	2.7
4.00	62.7	4.6
3.00	58.2	4.5
2.00	51.8	6.4
1.50	47.4	4.4
1.00	41.6	5.8
0.80	38.4	3.1
0.60	33.5	5.0
0.50	29.3	4.2
0.40	24.3	5.0

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /355
SAMPLE ID: Hole 89-26 # 2060
SUBMITTER: # 39
OPERATOR: rm
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 08:28:54 11/27/90
REPRT 15:22:29 08/29/91
TOT RUN TIME 0:06:5[illegible]
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp

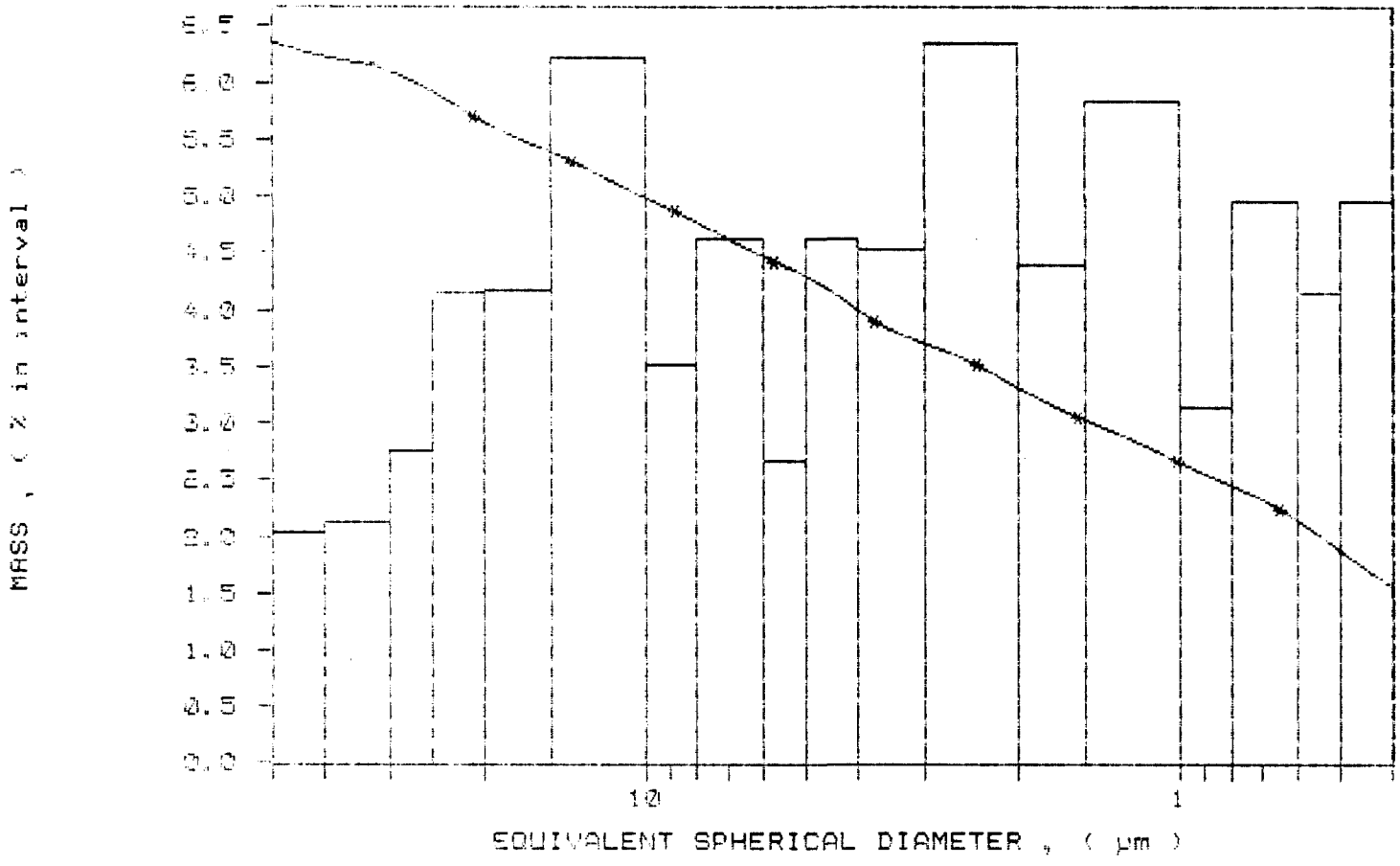
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA2 /3955
SAMPLE ID: Hole 89-2b # 2080
SUBMITTER: # 39
OPERATOR: nm
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 08:28:54 11/27/90
REPRT 15:22:29 08/29/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7271 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

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SAMPLE DIRECTORY/NUMBER: DATA3 /356
SAMPLE ID: Hole 89-22 # 2081
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C   RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:07:45 11/27/90
REPRT 15:29:58 08/29/91
TOT RUN TIME 0:07:06
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.15 µm   MODAL DIAMETER: 4.54 µm

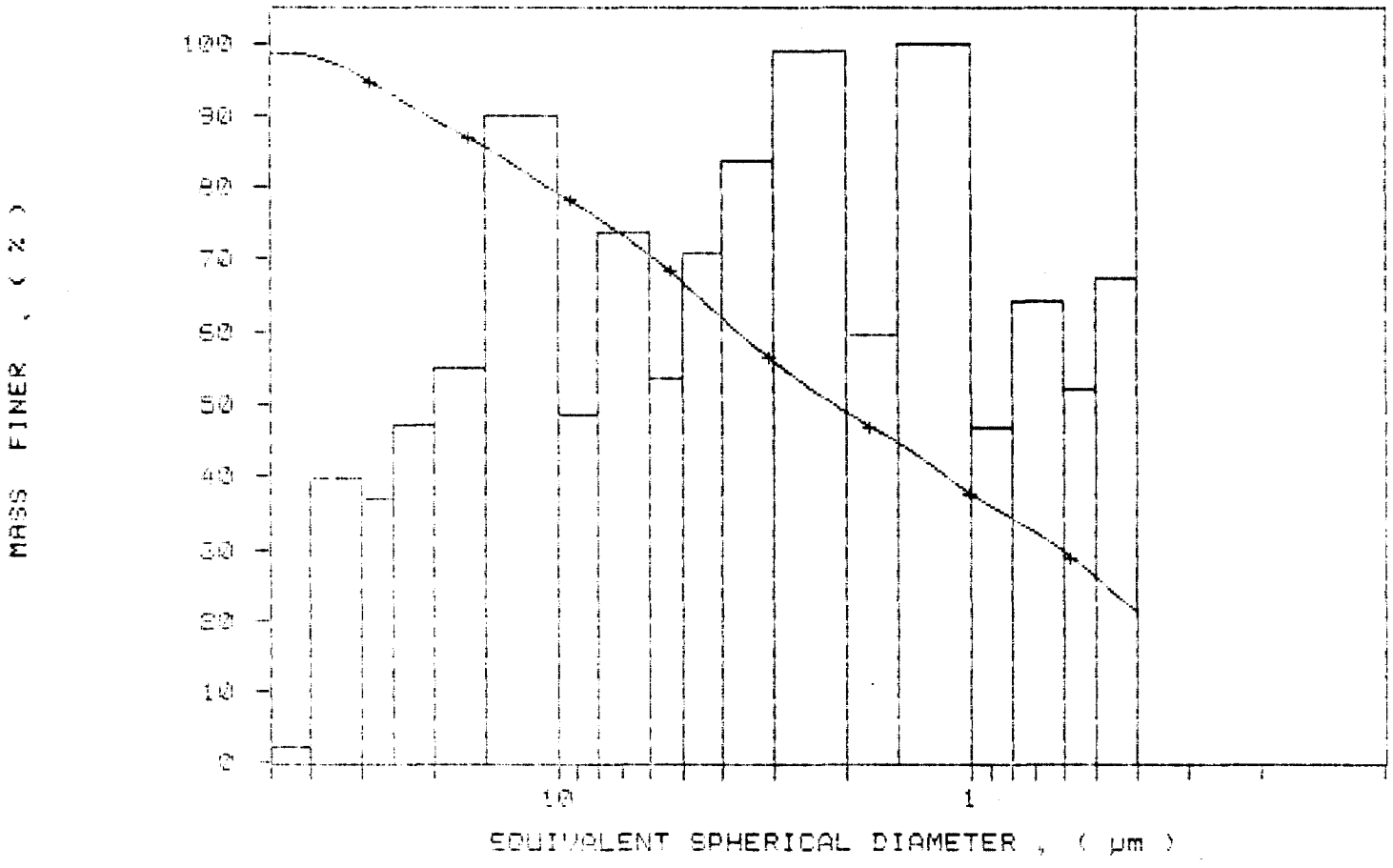
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.4	1.6
40.00	98.2	0.2
30.00	95.4	2.8
25.00	92.8	2.6
20.00	89.4	3.3
15.00	85.6	3.9
10.00	79.2	6.3
8.00	75.8	3.4
6.00	70.5	5.2
5.00	66.8	3.8
4.00	61.8	5.0
3.00	55.9	5.9
2.00	48.9	7.0
1.50	44.7	4.2
1.00	37.6	7.0
0.80	34.3	3.3
0.60	29.8	4.5
0.50	26.1	3.7
0.40	21.3	4.8

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123   BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /356
SAMPLE ID: hole 89-2C # 2051
SUBMITTER: # 99
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:07:45 11/27/90
REPRT 15:29:58 08/29/91
TOT RUN TIME 0:07:06
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

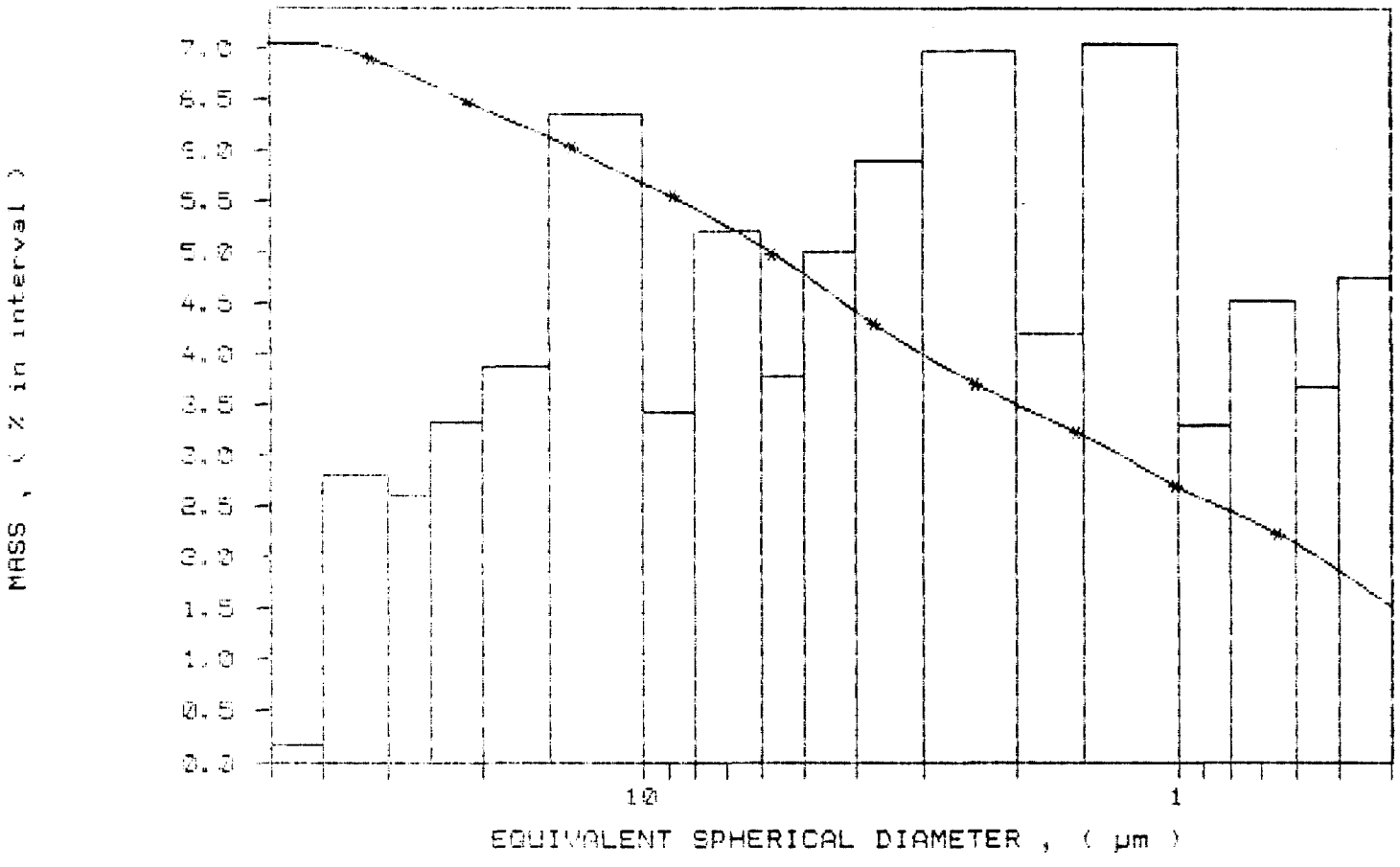
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /355
SAMPLE ID: Hole 89-26 # 2051
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:07:45 11/27/90
REPRT 15:29:58 08/29/91
TOT RUN TIME 0:07:06
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03

SAMPLE DIRECTORY/NUMBER: DATA3 /005
SAMPLE ID: Note Cards + 2002
SUBMITTER: A Jo
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:04:39 11/28/90
REPRT 13:25:47 08/30/91
TOT RUN TIME 0:07:16
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.26 µm MODAL DIAMETER: 3.08 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.0	1.0
40.00	97.0	2.0
30.00	95.6	1.4
25.00	94.7	0.9
20.00	93.2	1.5
15.00	90.5	2.6
10.00	86.5	4.0
8.00	83.8	2.7
6.00	79.3	4.5
5.00	75.7	3.5
4.00	71.4	4.5
3.00	65.5	5.9
2.00	57.3	8.2
1.50	52.7	4.6
1.00	45.8	6.8
0.80	42.4	3.1
0.60	37.8	4.7
0.50	35.5	2.2
0.40	31.5	4.0

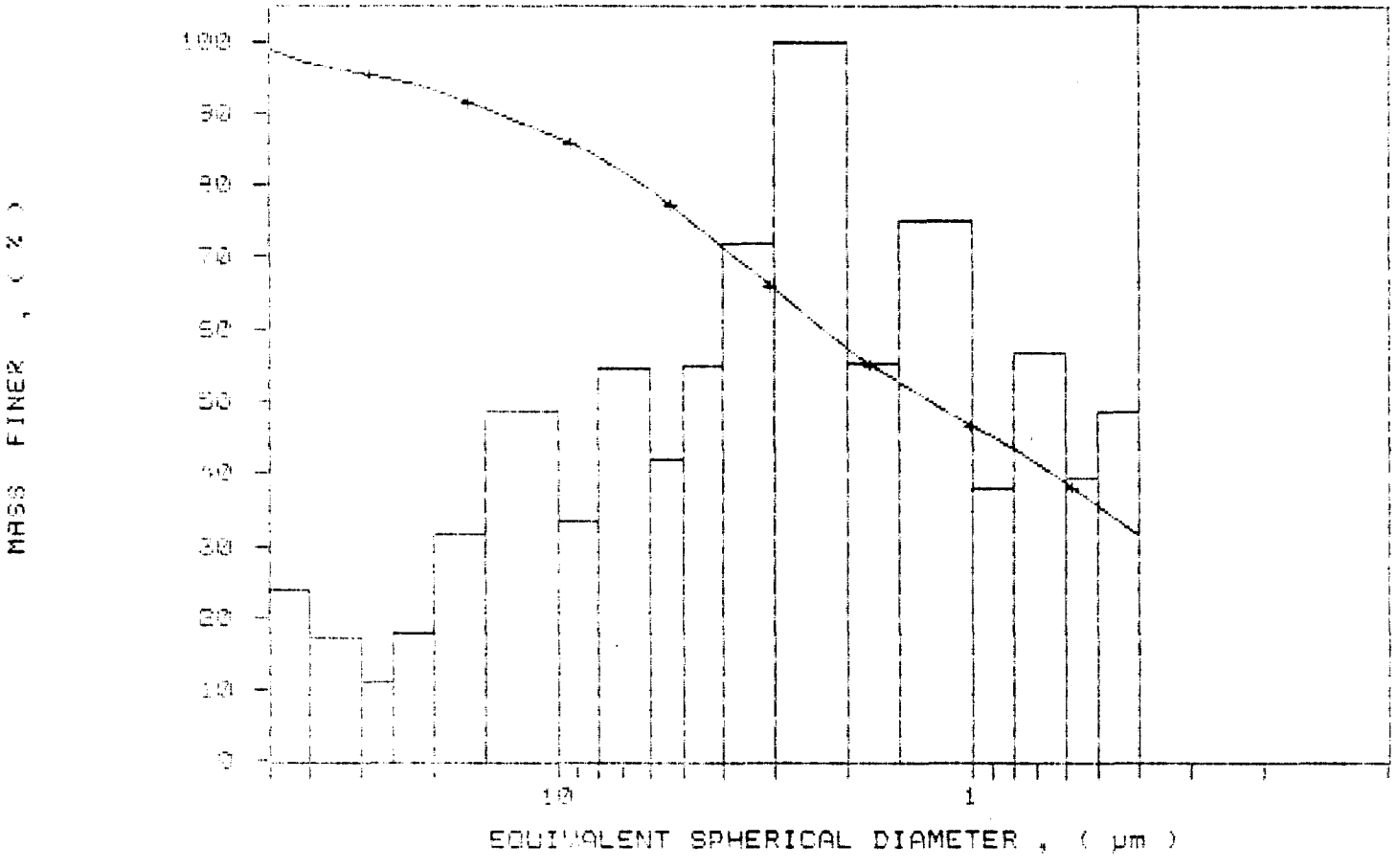
MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 PHONE (705) 378-2416
DATE R Melnbrom

Clay

SAMPLE DIRECTORY/NUMBER: DATA3 /369
SAMPLE ID: note 20-20 & 20UL
SUBMITTER: # 34
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANAL/SIS TEMP: 24.1 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:04:39 11/28/90
REPRT 13:25:47 08/30/91
TOT RUN TIME 0:07:16
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



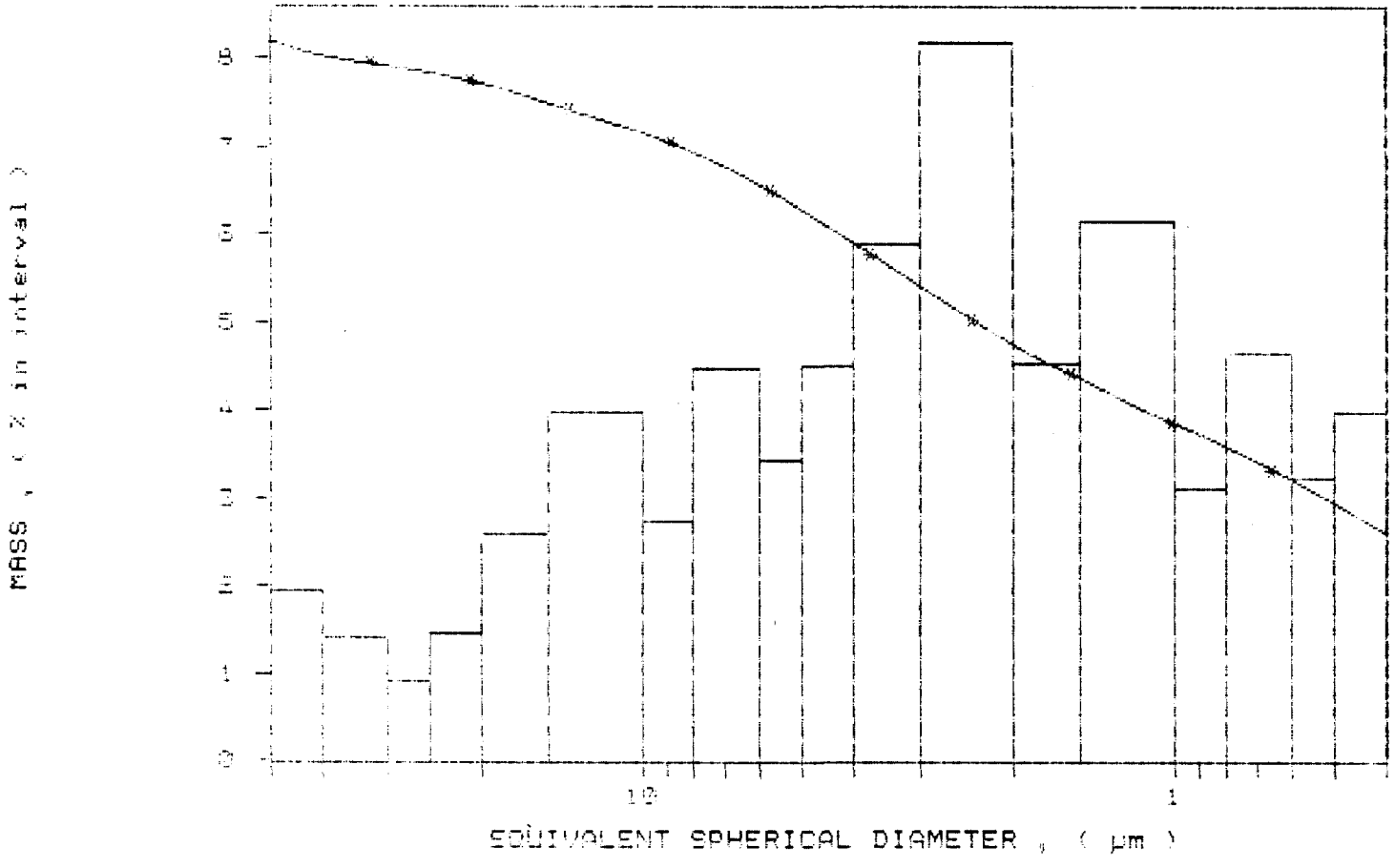
Clay

Sedigraph 5100 V2.02 PAGE 3

SAMPLE DIRECTORY/NUMBER: DATA5 /369
SAMPLE ID: Note 89-2b # 2032
SUBMITTER: # 89
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 24.0 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:04:39 11/28/90
REPRT 18:25:47 08/30/91
TOT RUN TIME 0:07:16
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Sedigraph 5100 V2.03 Clay

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /575
SAMPLE ID: Hole 89-55 # 2003
SUBMITTER: # 55
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:24:27 11/29/90
REPRT 15:37:28 08/29/91
TOT RUN TIME 0:07:17
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.28 µm

MODAL DIAMETER: 4.47 µm

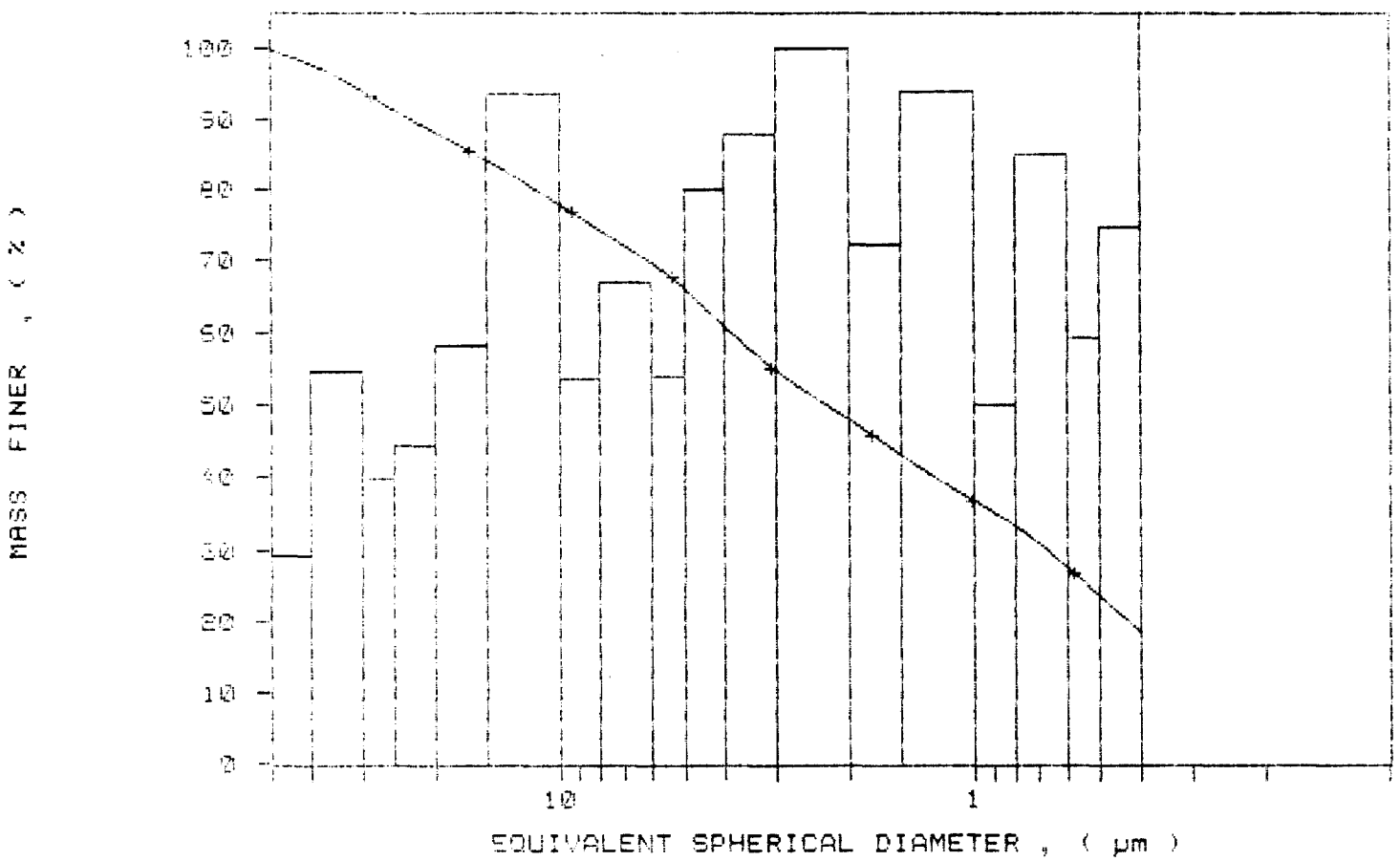
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.6	0.4
40.00	97.6	2.0
30.00	93.9	3.7
25.00	91.2	2.7
20.00	88.2	3.0
15.00	84.2	4.0
10.00	77.9	6.3
8.00	74.2	3.6
6.00	69.7	4.5
5.00	66.1	3.7
4.00	60.6	5.4
3.00	54.7	6.0
2.00	47.9	6.8
1.50	45.0	4.9
1.00	38.6	6.4
0.80	35.2	3.4
0.66	29.3	5.8
0.50	25.5	4.0
0.40	18.4	5.1

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE KM

SAMPLE DIRECTORY/NUMBER: DATA5 /375
SAMPLE ID: Hole 29-26 # 2033
SUBMITTER: # 29
OPERATOR: Km
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:24:27 11/29/90
REPRT 15:37:28 08/29/91
TOT RUN TIME 0:07:17
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

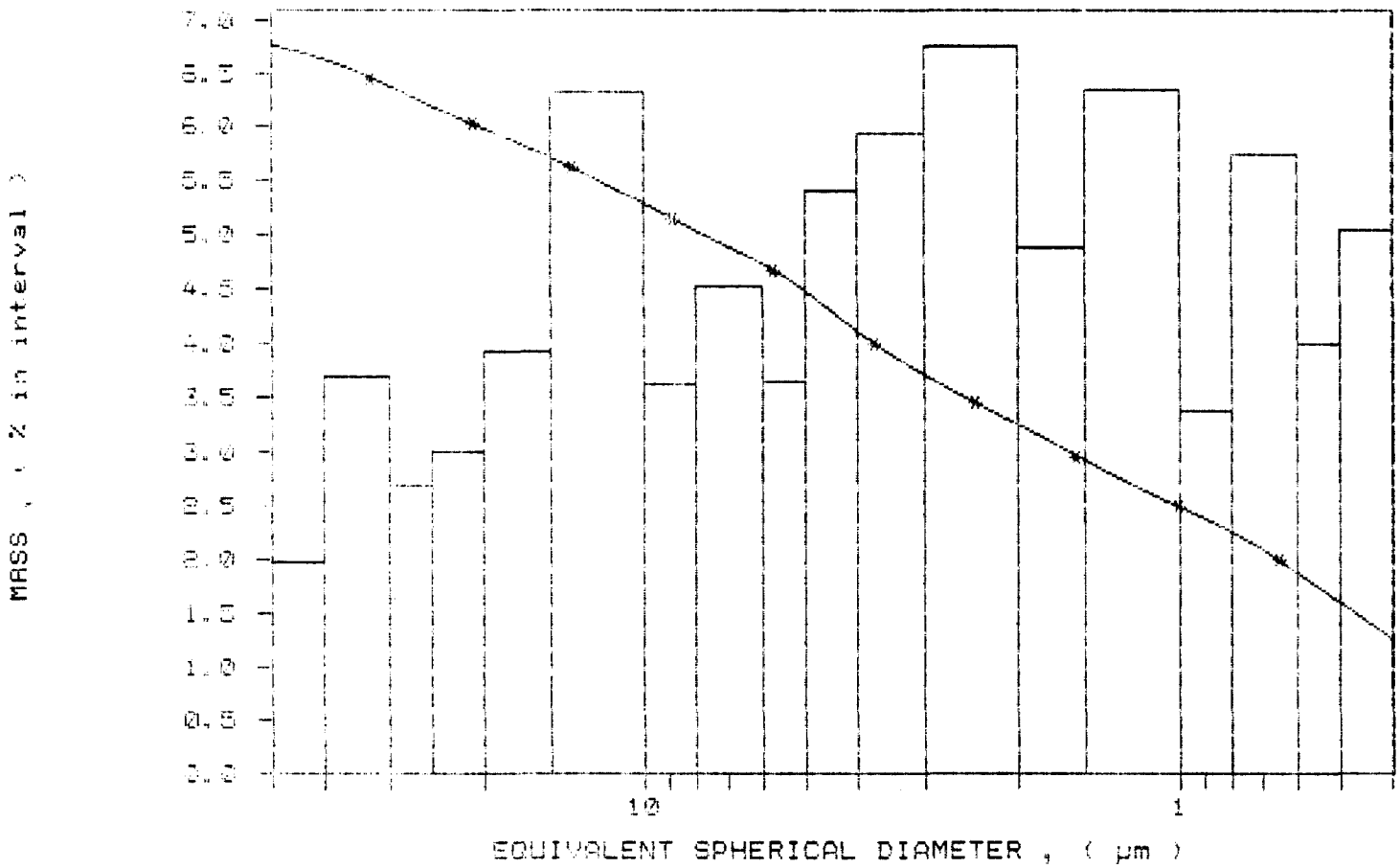
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /575
SAMPLE ID: Mole 89-26 # 2083
SUBMITTER: R 29
OPERATOR: Rm
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 09:24:27 11/29/90
REPRT 15:37:28 08/29/91
TOT RUN TIME 0:07:17
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /579
SAMPLE ID: Hole 93-26 # 2064
SUBMITTER: # 35
OPERATOR: rm
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:29:11 11/29/90
REPRT 15:44:56 08/29/91
TOT RUN TIME 0:07:06
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.41 µm MODAL DIAMETER: 4.16 µm

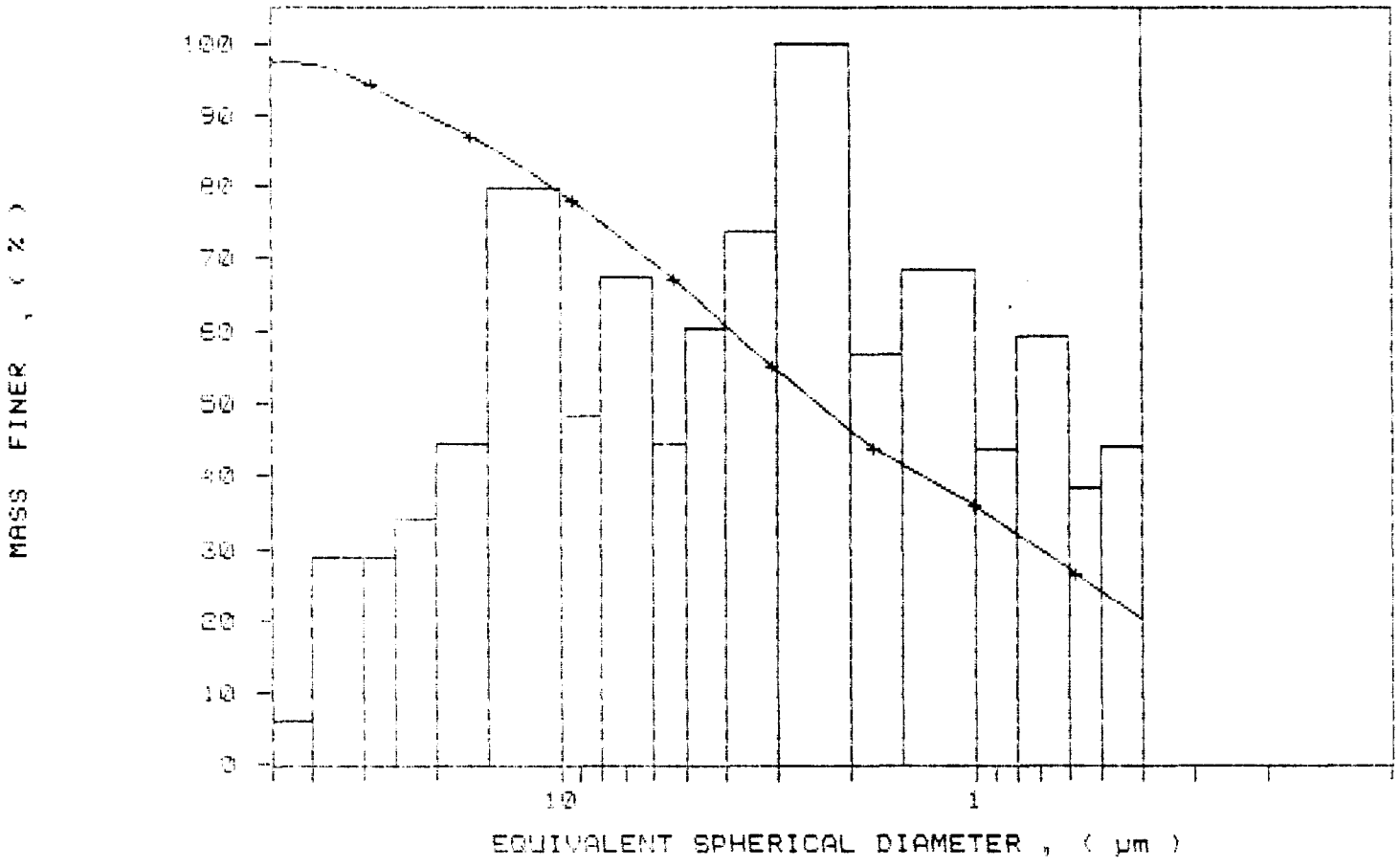
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.6	2.4
40.00	97.1	0.5
30.00	94.7	2.4
25.00	92.2	2.4
20.00	89.4	2.9
15.00	85.7	3.7
10.00	79.0	6.7
8.00	75.0	4.0
6.00	69.4	5.6
5.00	65.6	3.7
4.00	60.6	5.0
3.00	54.3	6.2
2.00	46.1	8.3
1.50	41.4	4.7
1.00	35.7	5.7
0.80	32.1	3.6
0.60	27.1	5.0
0.50	23.9	3.2
0.40	20.2	3.7

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /379
SAMPLE ID: Hole 89-26 # 2084
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:29:11 11/29/90
REPRT 15:44:56 08/29/91
TOT RUN TIME 0:07:05
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

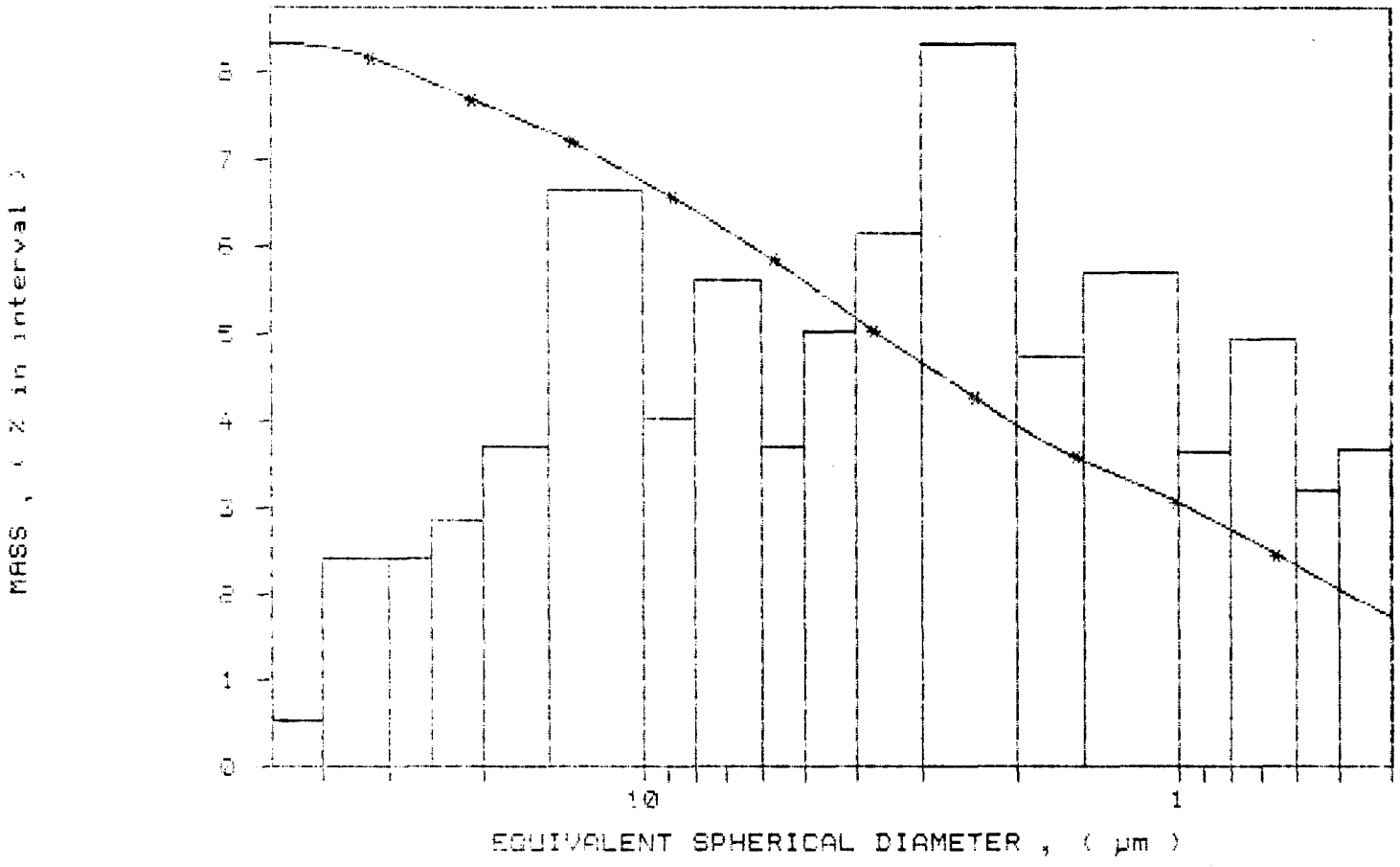
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /879
SAMPLE ID: Mole 89-26 # 2084
SUBMITTER: # 39
OPERATOR: RM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:29:11 11/29/90
REPRT 15:44:56 08/29/91
TOT RUN TIME 0:07:06
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03

SAMPLE DIRECTORY/NUMBER: DATA3 /380
SAMPLE ID: Hole 89-26 # 2085
SUBMITTER: # 55
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:21:58 11/29/90
REPRT 15:52:28 08/29/91
TOT RUN TIME 0:07:10
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.27 µm MODAL DIAMETER: 0.50 µm

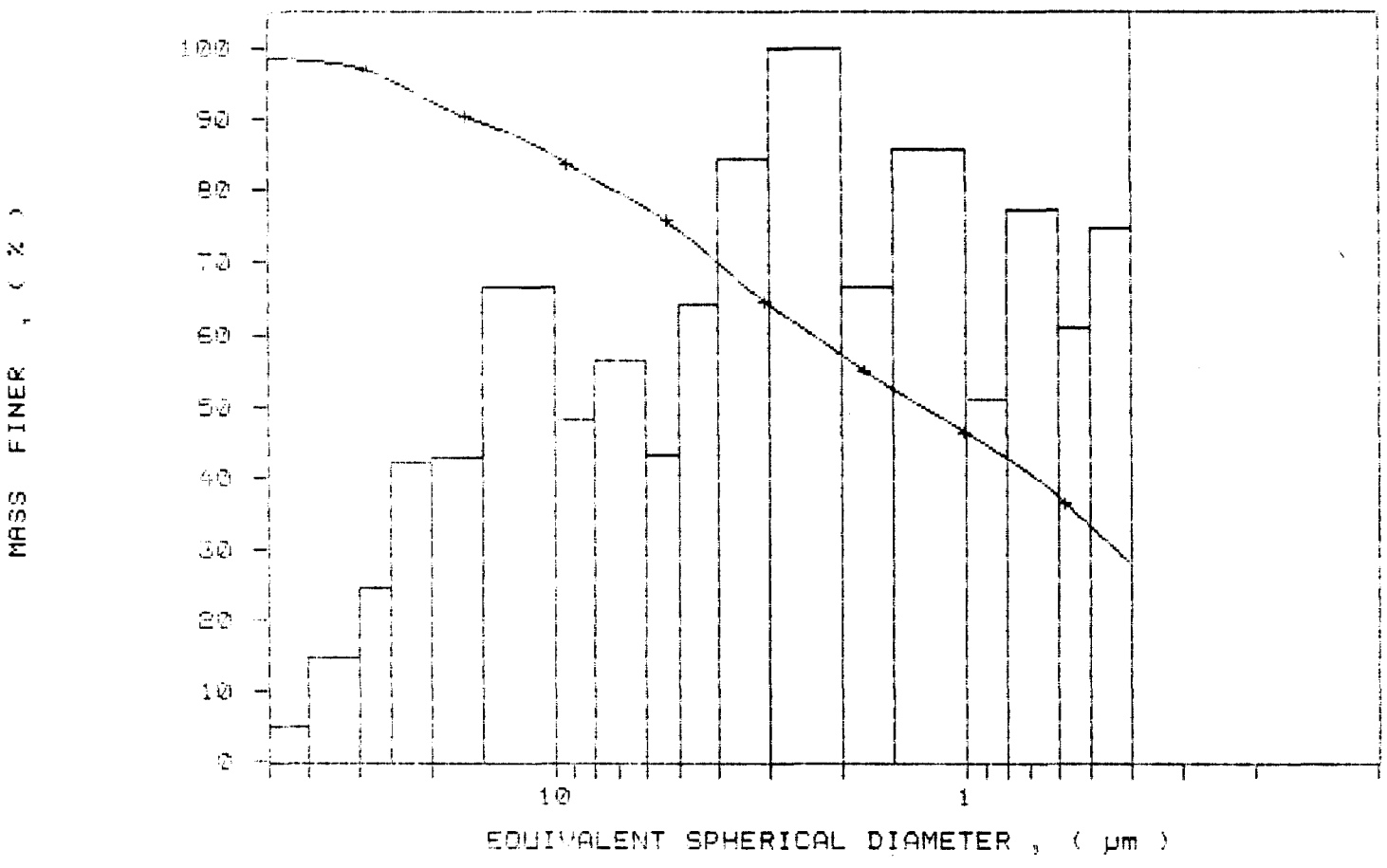
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.5	1.5
40.00	98.2	0.4
30.00	97.1	1.0
25.00	95.4	1.7
20.00	92.4	3.0
15.00	89.4	3.0
10.00	84.8	4.7
8.00	81.4	3.4
6.00	77.5	3.9
5.00	74.4	3.0
4.00	69.9	4.5
3.00	64.0	5.9
2.00	57.1	7.0
1.50	52.4	4.7
1.00	46.4	6.0
0.80	42.9	3.6
0.60	37.5	5.4
0.50	33.2	4.3
0.40	28.0	5.2

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE ____

SAMPLE DIRECTORY/NUMBER: DATA5 /380
SAMPLE ID: Hole 89-26 # 2065
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:21:53 11/29/90
REPRT 15:52:23 08/29/91
TOT RUN TIME 0:07:10
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

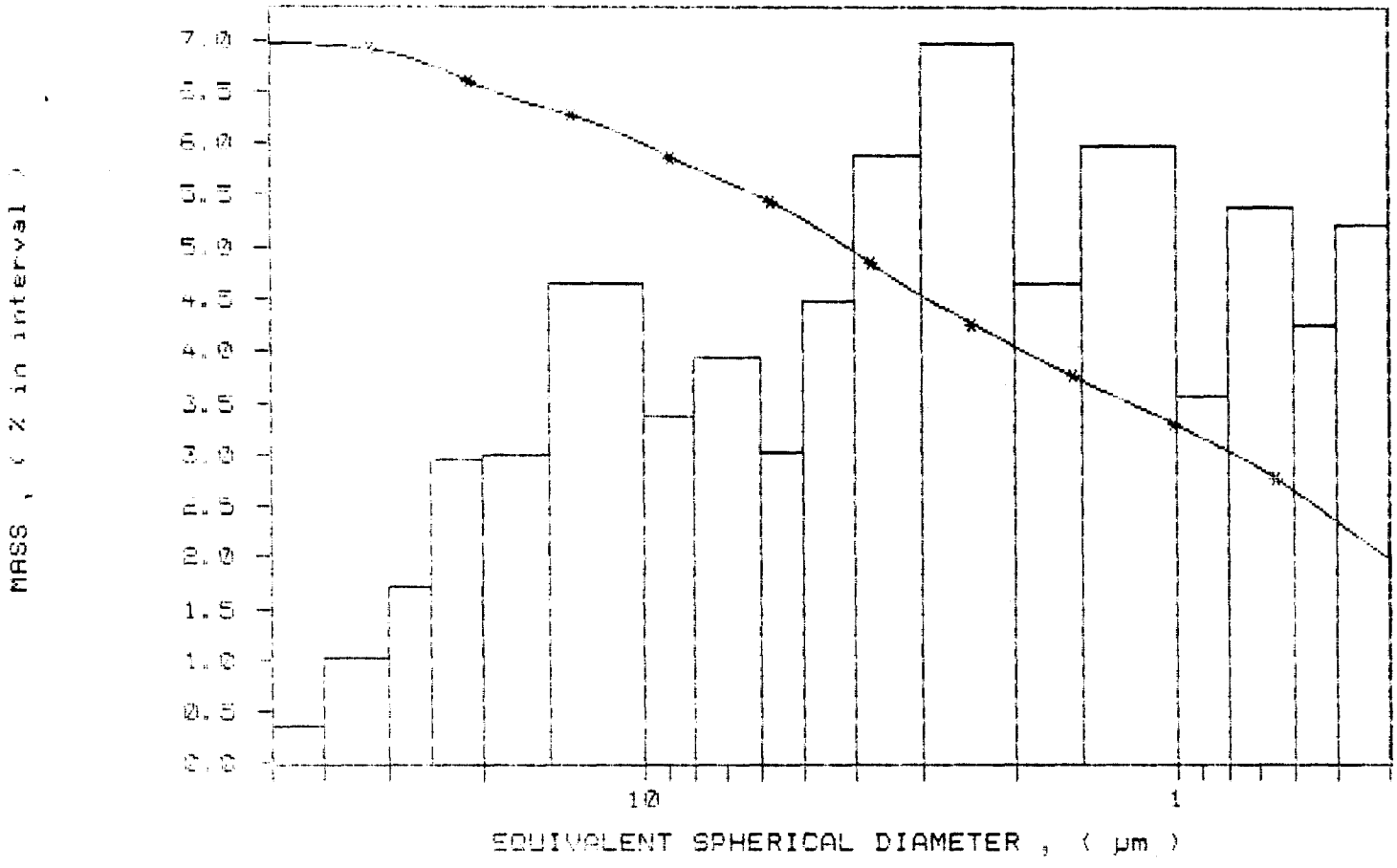
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA2 /380
SAMPLE ID: note 89-26 # 2085
SUBMITTER: # 35
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP : 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:21:53 11/29/90
REPRT 15:52:23 08/29/91
TOT RUN TIME 0:07:10
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /381
SAMPLE ID: Hole 89-26 # 2086
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:51:30 11/29/90
REPRT 15:59:51 08/29/91
TOT RUN TIME 0:07:16
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

KEYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.43 µm MODAL DIAMETER: 4.67 µm

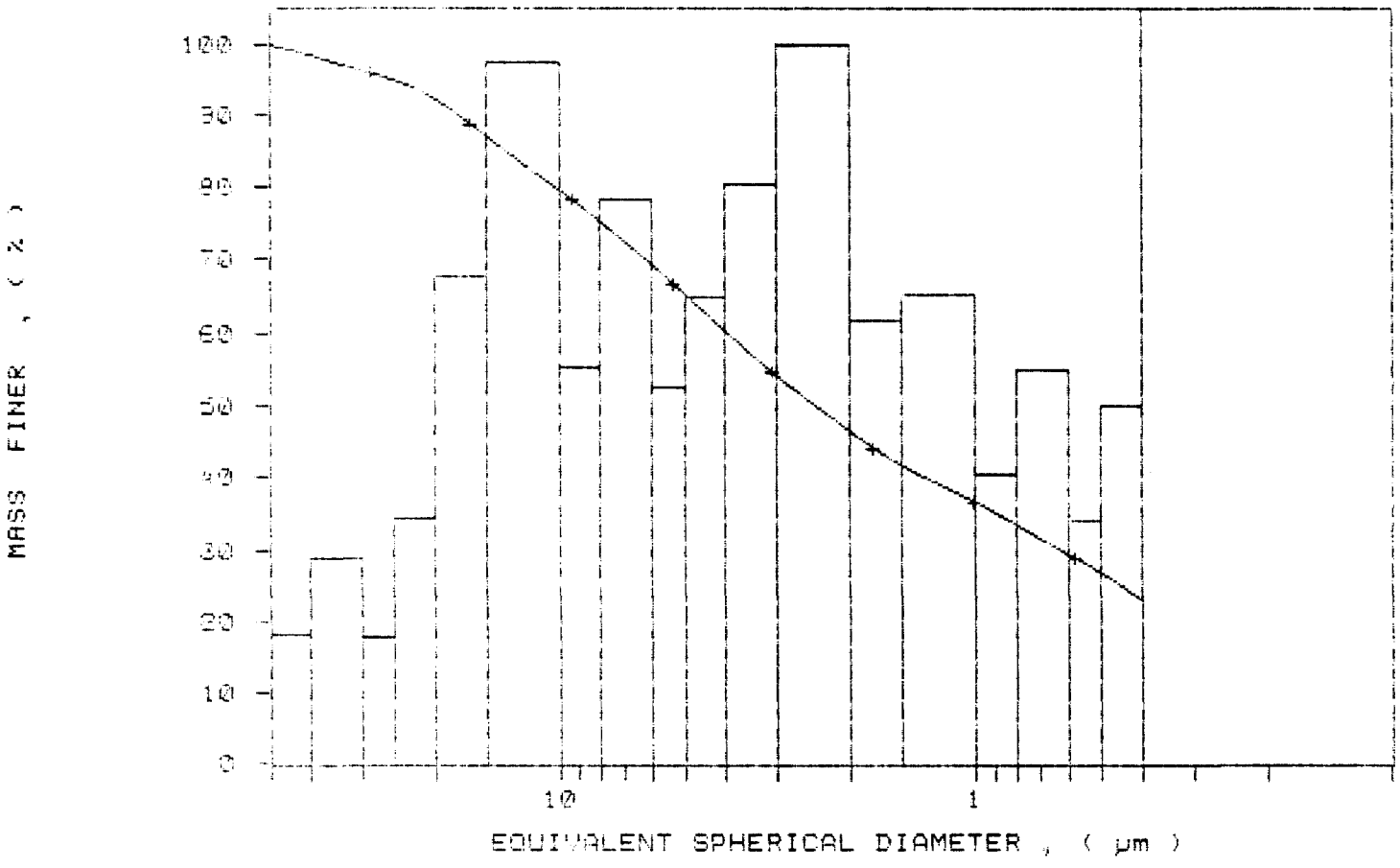
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.8	0.2
40.00	98.4	1.4
30.00	96.2	2.2
25.00	94.8	1.4
20.00	92.1	2.7
15.00	87.0	5.2
10.00	79.5	7.5
8.00	75.2	4.3
6.00	69.2	6.0
5.00	65.2	4.0
4.00	60.2	5.0
3.00	54.1	6.2
2.00	46.4	7.6
1.50	41.7	4.7
1.00	36.7	5.0
0.80	33.6	3.1
0.60	29.4	4.2
0.50	26.7	2.6
0.40	22.9	3.8

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /581
SAMPLE ID: Hole 89-2c # 2025
SUBMITTER: # 89
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:51:30 11/29/90
REPRT 15:59:51 08/29/91
TOT RUN TIME 0:07:16
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

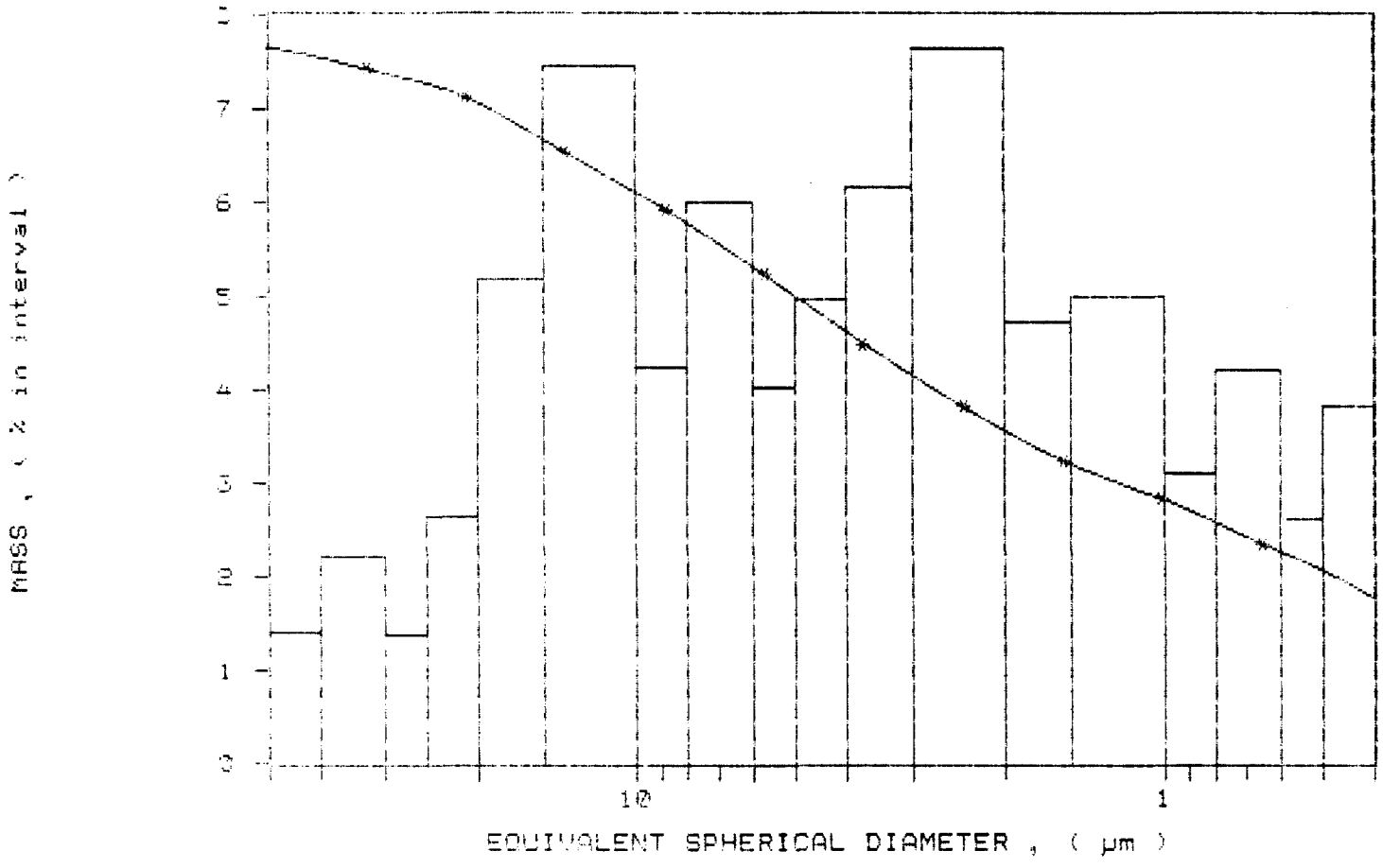
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /381
SAMPLE ID: Hole 59-2a # 2086
SUBMITTER: # 39
OPERATOR: RM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.1 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 14:51:30 11/29/90
REPRT 15:59:51 08/29/91
TOT RUN TIME 0:07:16
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /308
SAMPLE ID: Hole 29-26 # 2087
SUBMITTER: # 29
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 16:03:12 11/29/90
REPRT 16:07:18 08/29/91
TOT RUN TIME 0:07:05
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

STARTING DIAMETER: 60.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.99 µm MODAL DIAMETER: 4.98 µm

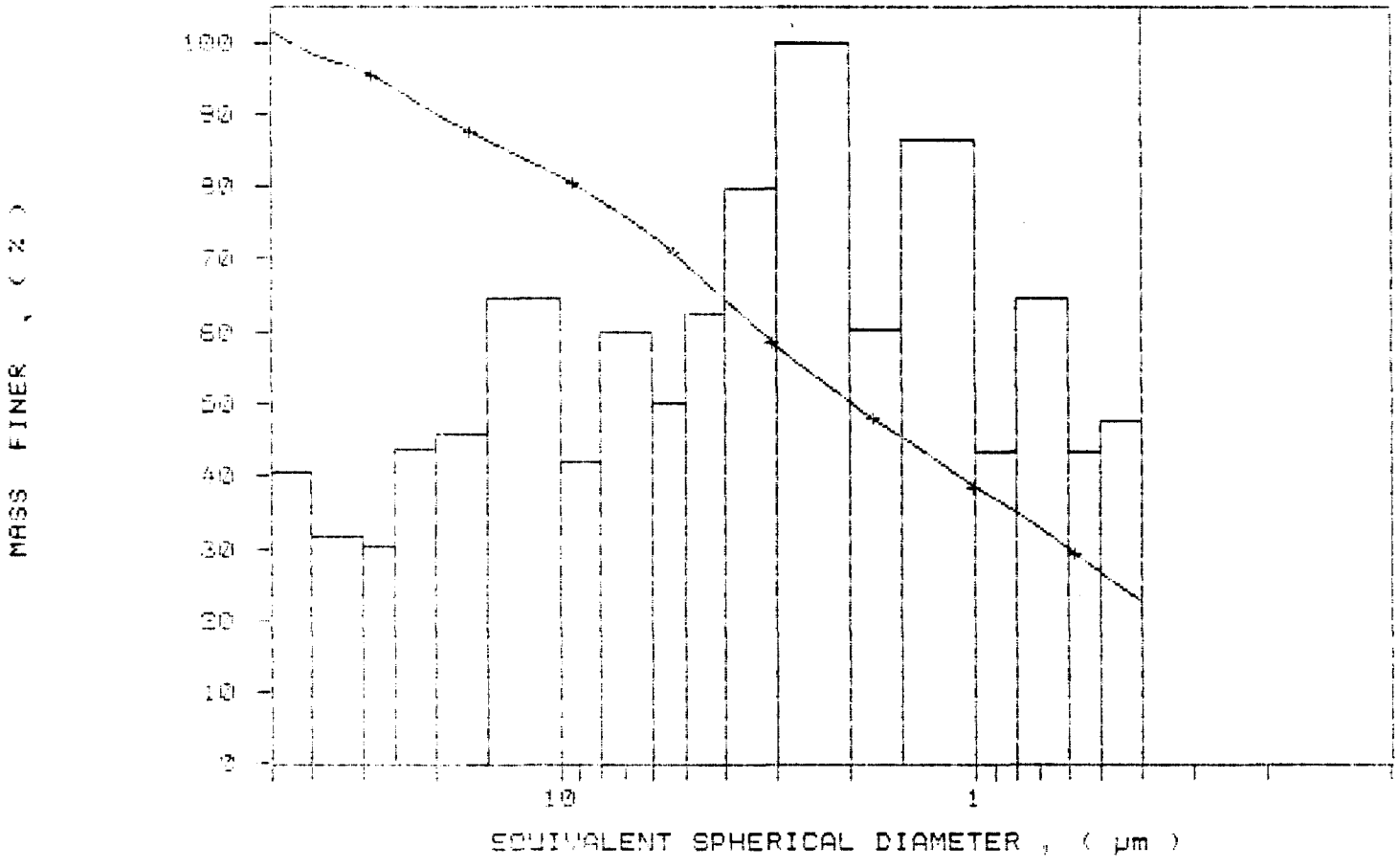
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
60.00	101.6	-1.6
40.00	98.4	3.2
30.00	93.9	2.5
25.00	91.5	2.4
20.00	89.0	2.5
15.00	86.4	2.6
10.00	81.3	5.1
8.00	78.0	3.3
6.00	73.2	4.7
5.00	69.2	4.0
4.00	64.2	5.0
3.00	57.6	6.6
2.00	50.1	7.9
1.50	45.3	4.8
1.00	38.4	6.8
0.80	35.0	3.4
0.60	29.9	5.1
0.50	26.5	3.4
0.40	22.7	3.8

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /383
SAMPLE ID: Mole 29-25 # 2027
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 16:03:12 11/29/90
REPRT 16:07:18 08/29/91
TOT RUN TIME 0:07:05
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

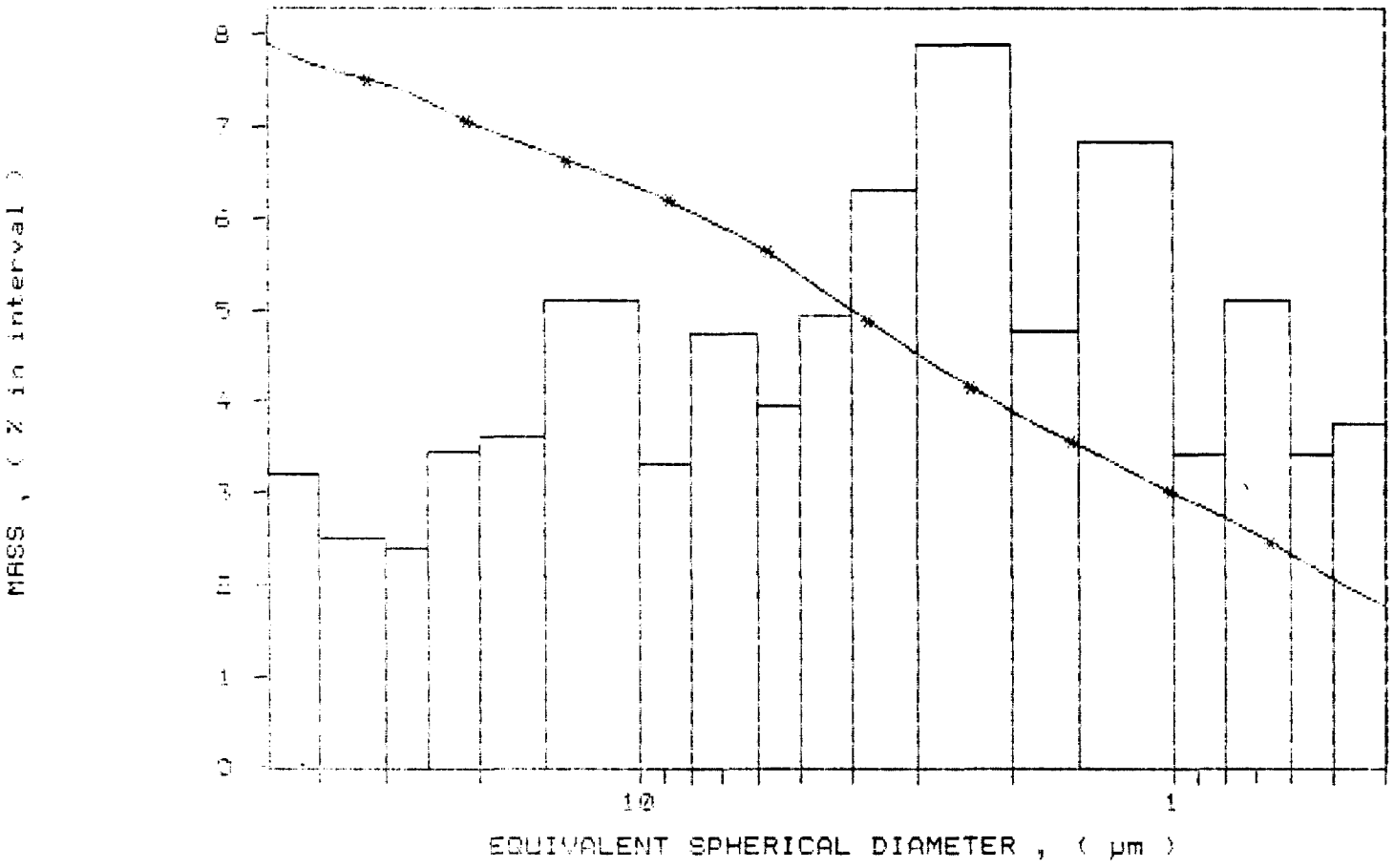
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /388
SAMPLE ID: Hole 89-26 # 2067
SUBMITTER: # 89
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 16:03:12 11/29/90
REPRT 16:07:18 08/29/91
TOT RUN TIME 0:07:05
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /303
SAMPLE ID: Hole 89-26 # 2088
SUBMITTER: # 59
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:28:38 11/30/90
REPRT 16:14:44 08/29/91
TOT RUN TIME 0:07:12
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9946 g/cc
LIQ VISC: 0.7268 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.05 µm MODAL DIAMETER: 2.83 µm

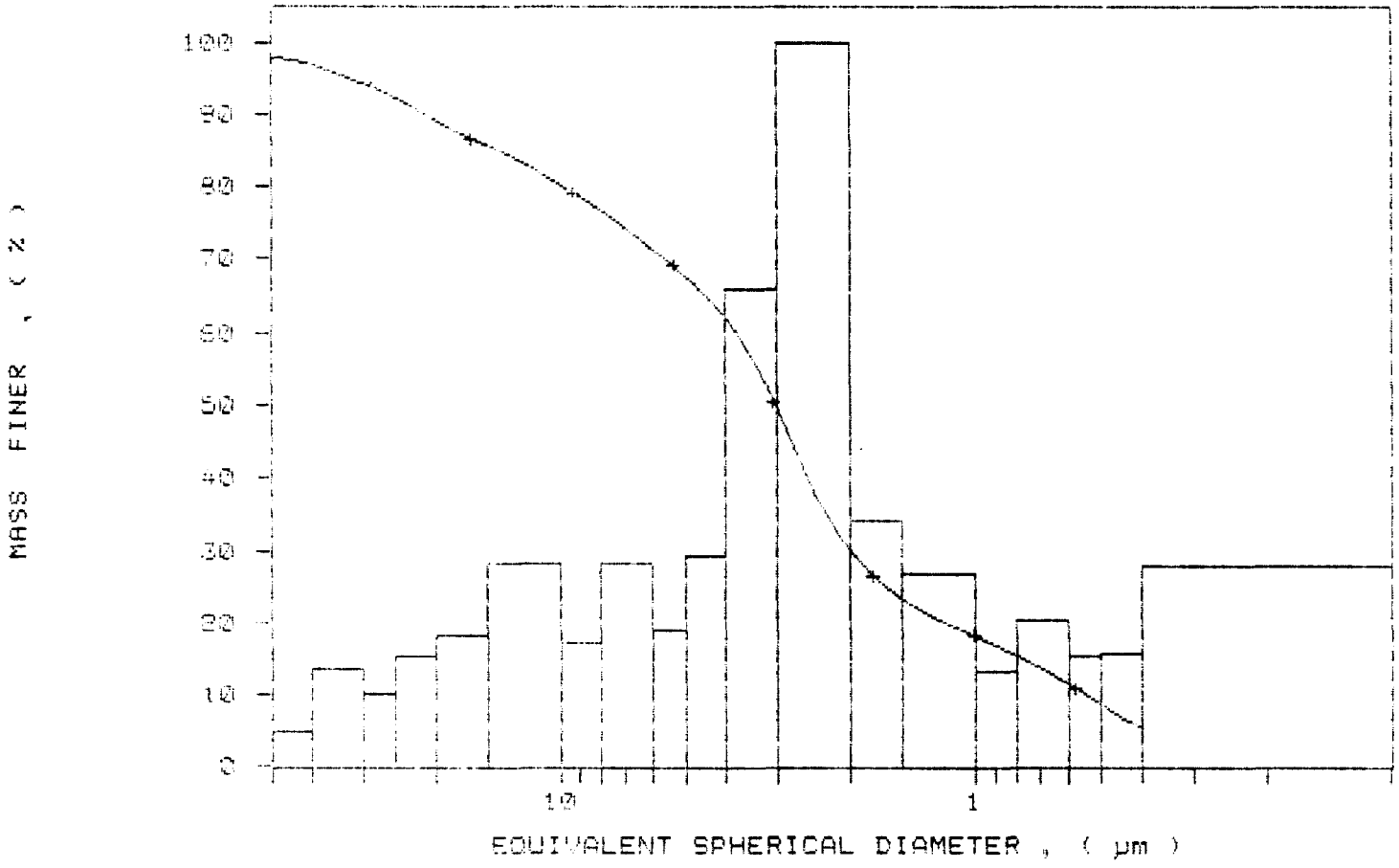
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.7	2.3
40.00	96.8	1.0
30.00	94.1	2.7
25.00	92.1	1.9
20.00	89.1	3.0
15.00	85.6	3.5
10.00	80.1	5.5
8.00	76.7	3.4
6.00	71.2	5.5
5.00	67.6	3.7
4.00	61.9	5.7
3.00	49.1	12.8
2.00	29.3	19.8
1.50	23.2	6.1
1.00	18.0	5.2
0.80	15.4	2.6
0.60	11.5	4.0
0.50	8.5	3.0
0.40	5.4	3.1

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /588
SAMPLE ID: Hole 89-26 # 2008
SUBMITTER: # 35
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:28:38 11/30/90
REPRT 16:14:44 05/29/91
TOT RUN TIME 0:07:12
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



Clay

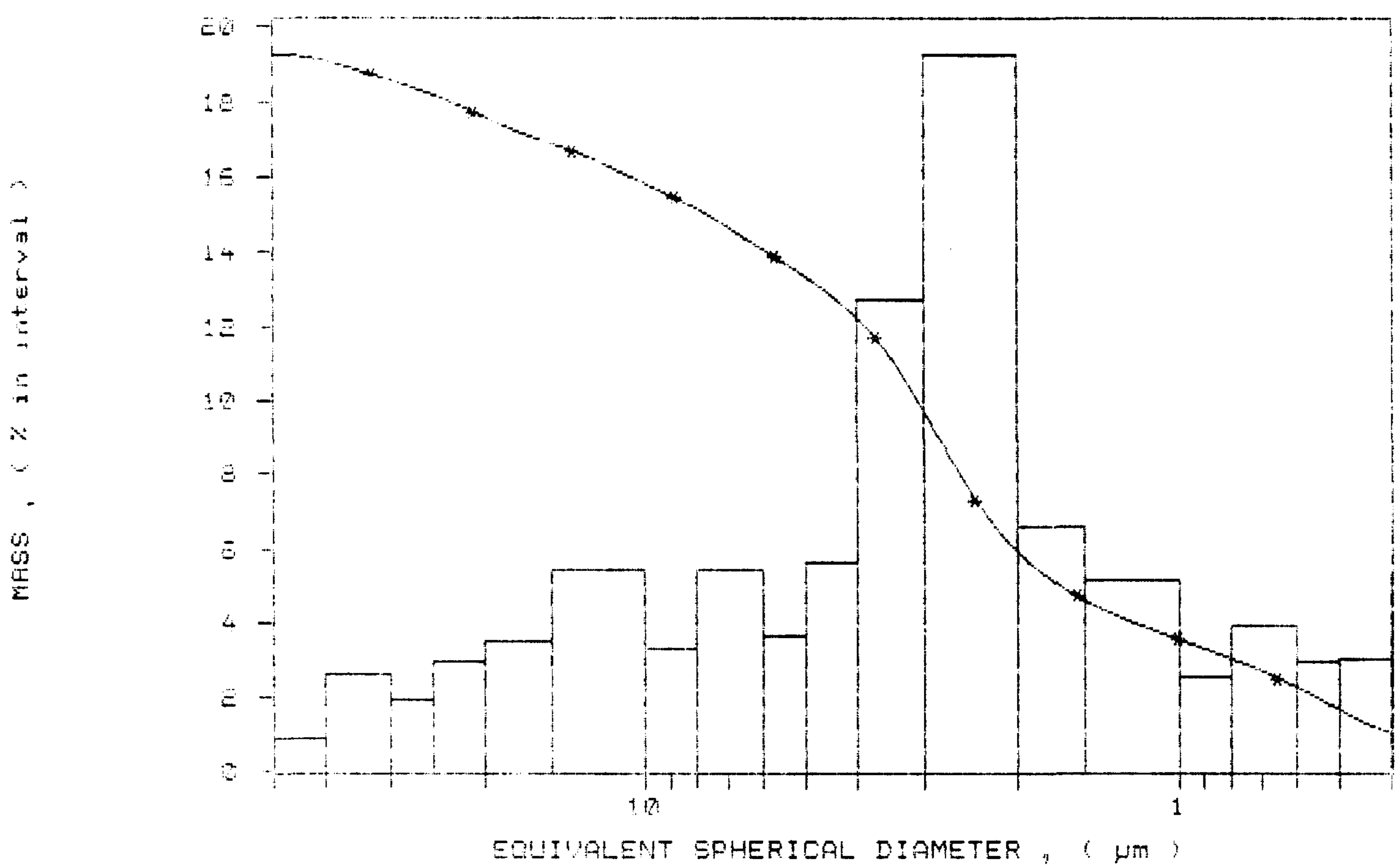
SediGraph 5100 V2.05

PAGE 3

SAMPLE DIRECTORY/NUMBER: DATA3 /886
SAMPLE ID: Hole 89-26 # 2086
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C   RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:28:38 11/30/90
REPRT 16:14:44 08/29/91
TOT RUN TIME 0:07:12
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

Sedigraph 5100 V2.03

SAMPLE DIRECTORY/NUMBER: DATA2 /2099
SAMPLE ID: Hole 89-25 # 2099
SUBMITTER: # 39
OPERATOR: RM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:57:45 11/30/90
REPRT 16:22:09 08/29/91
TOT RUN TIME 0:06:48
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.18 µm MODAL DIAMETER: 0.54 µm

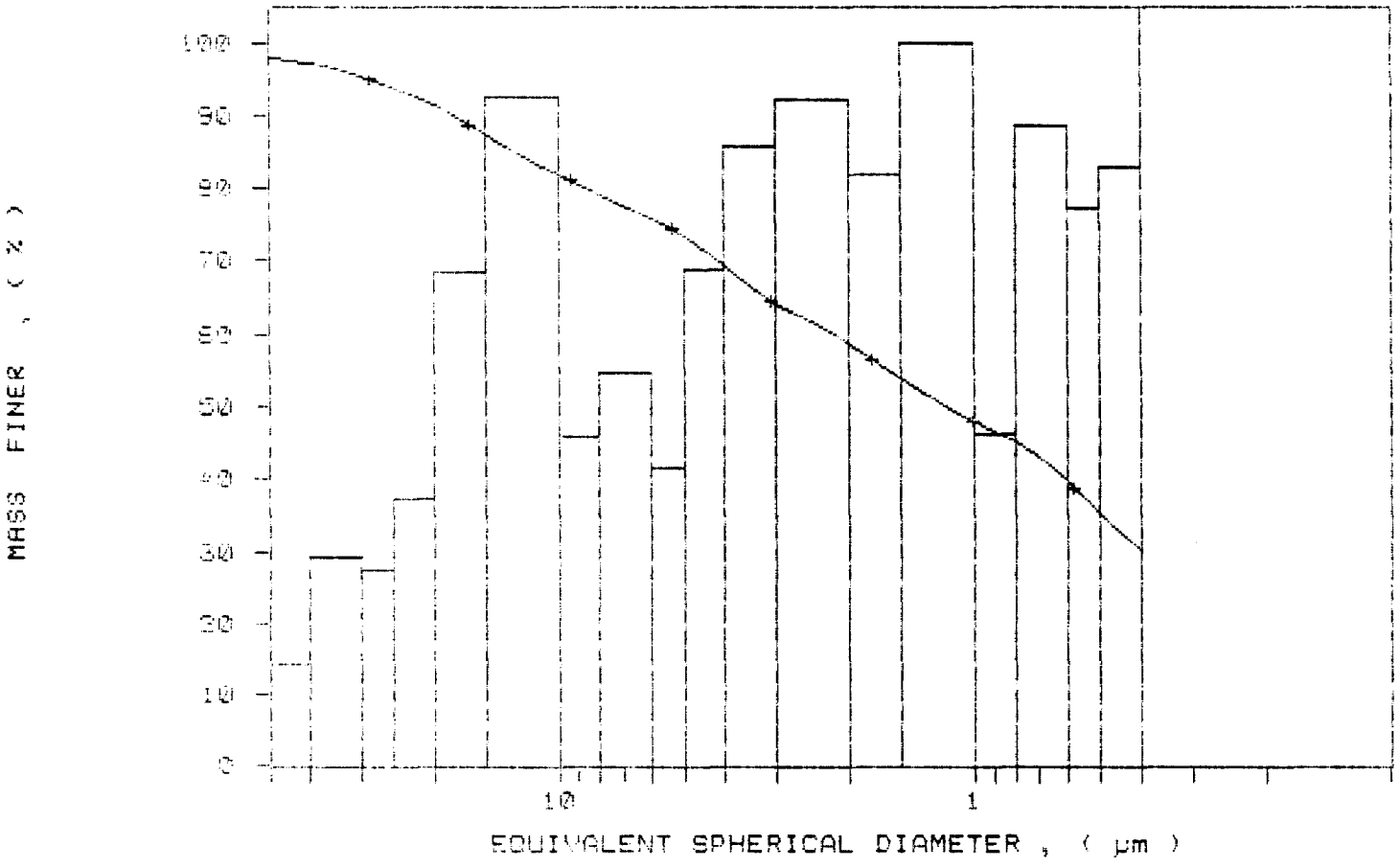
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.9	2.1
40.00	97.0	0.9
30.00	95.3	1.7
25.00	93.6	1.6
20.00	91.4	2.2
15.00	87.3	4.1
10.00	81.8	5.5
8.00	79.1	2.7
6.00	75.0	3.8
5.00	70.3	4.7
4.00	66.2	4.1
3.00	61.1	5.1
2.00	55.6	5.5
1.50	50.7	4.9
1.00	47.0	3.7
0.80	45.0	2.7
0.60	39.7	5.3
0.50	35.1	4.6
0.40	30.2	5.0

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /889
SAMPLE ID: Hole 89-26 # 2089
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:57:45 11/30/90
REPRT 16:22:09 08/29/91
TOT RUN TIME 0:06:48
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

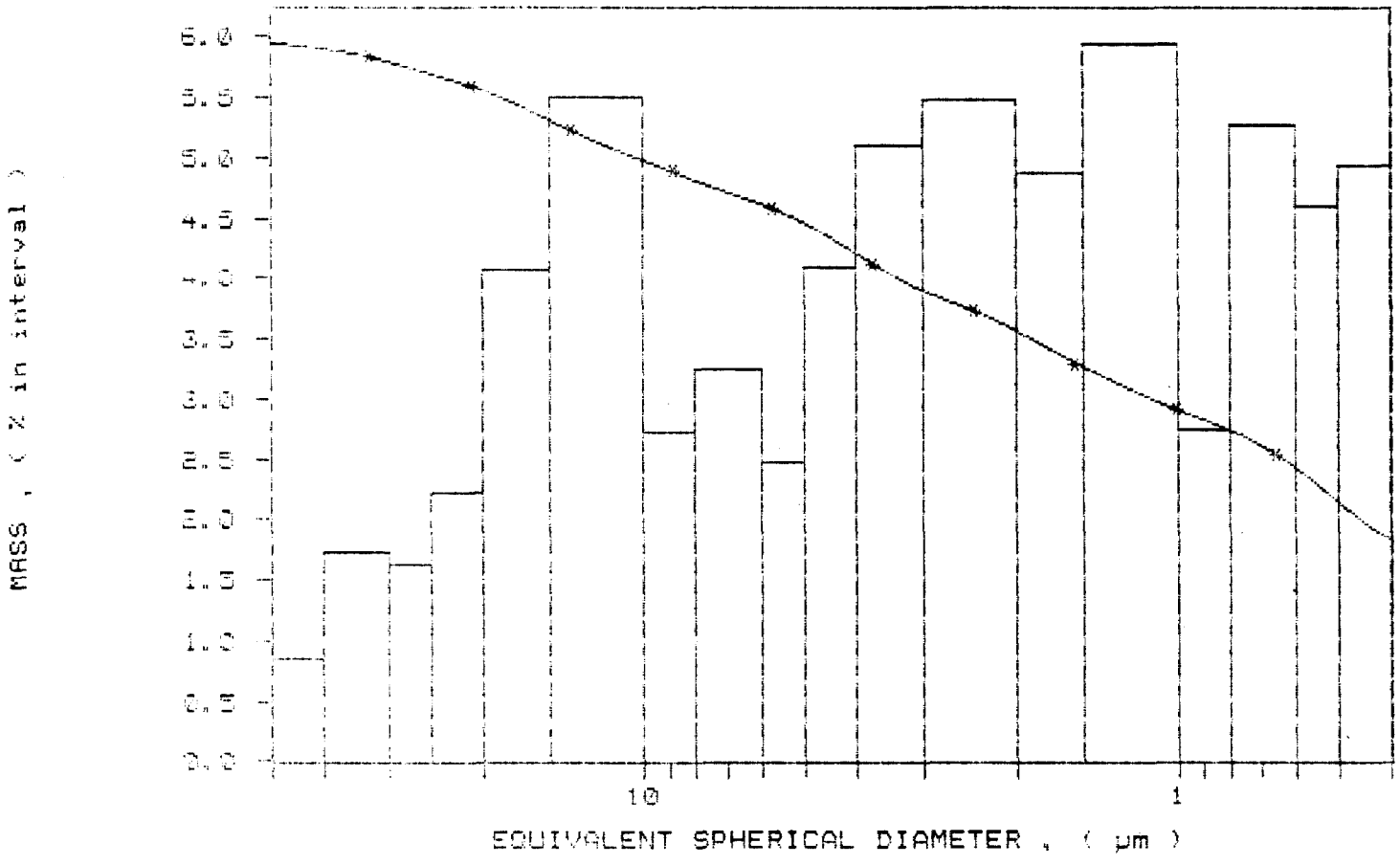
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /389
SAMPLE ID: Mole 09-26 # 2089
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 10:57:45 11/30/90
REPRT 16:22:09 08/29/91
TOT RUN TIME 0:06:48
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /590
SAMPLE ID: Hole 89-26 # 2090
SUBMITTER: A Sp
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:17:28 11/30/90
REPRT 16:29:38 08/29/91
TOT RUN TIME 0:06:43
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.994c g/cc
LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.39 µm MODAL DIAMETER: 0.58 µm

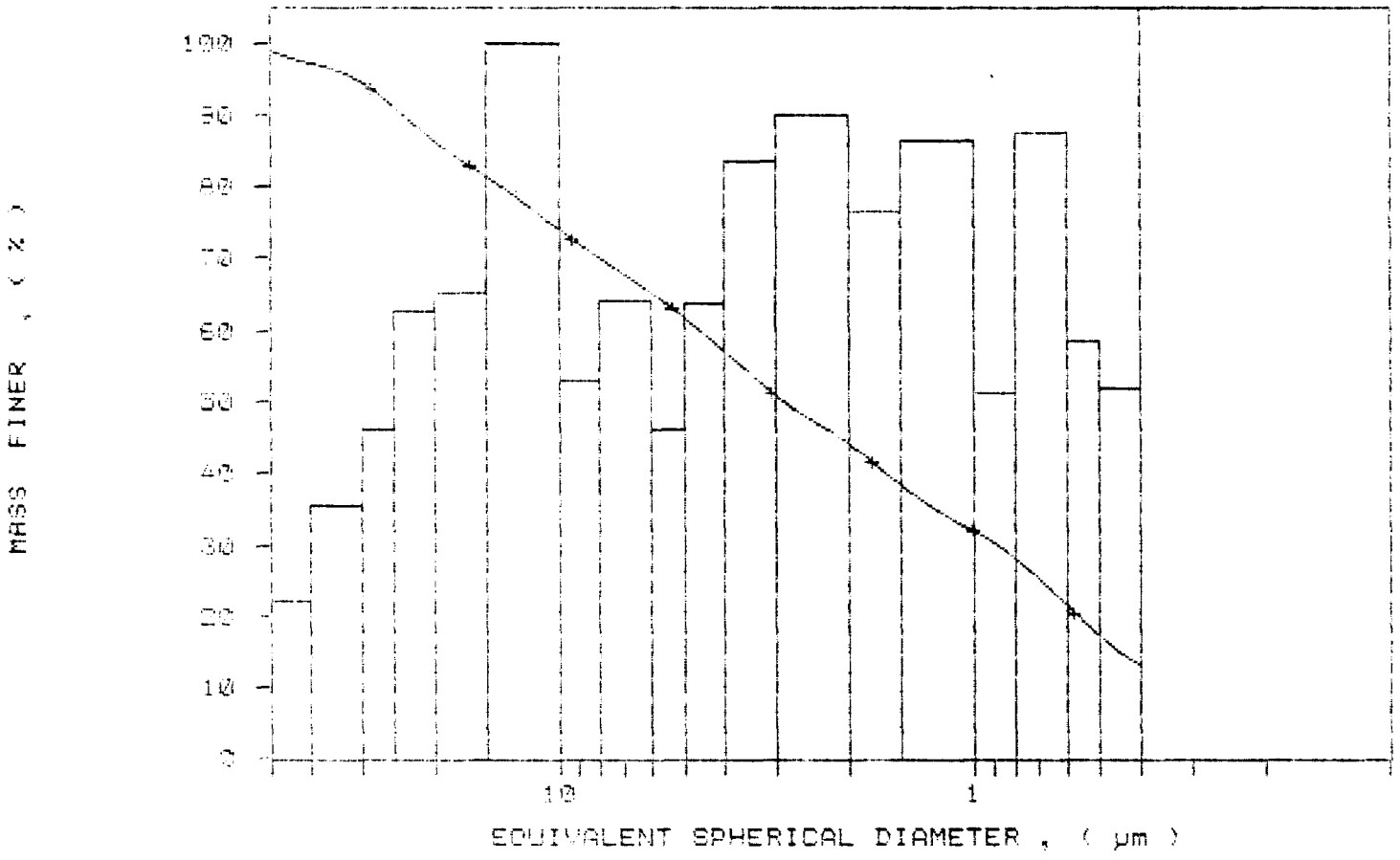
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.7	1.3
40.00	97.1	1.7
30.00	94.4	2.7
25.00	91.0	3.4
20.00	86.3	4.7
15.00	81.4	4.9
10.00	74.0	7.5
8.00	70.0	4.0
6.00	65.2	4.8
5.00	61.3	3.5
4.00	57.0	4.8
3.00	50.7	6.2
2.00	44.0	6.7
1.50	38.3	5.7
1.00	31.8	6.5
0.80	25.0	6.8
0.60	21.5	3.5
0.50	17.1	4.4
0.40	13.2	3.9

MINERAL RESEARCH CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /590
SAMPLE ID: mole 89-ec # 2090
SUBMITTER: # 29
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.1 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:17:28 11/30/90
REPRT 16:29:38 08/29/91
TOT RUN TIME 0:06:49
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

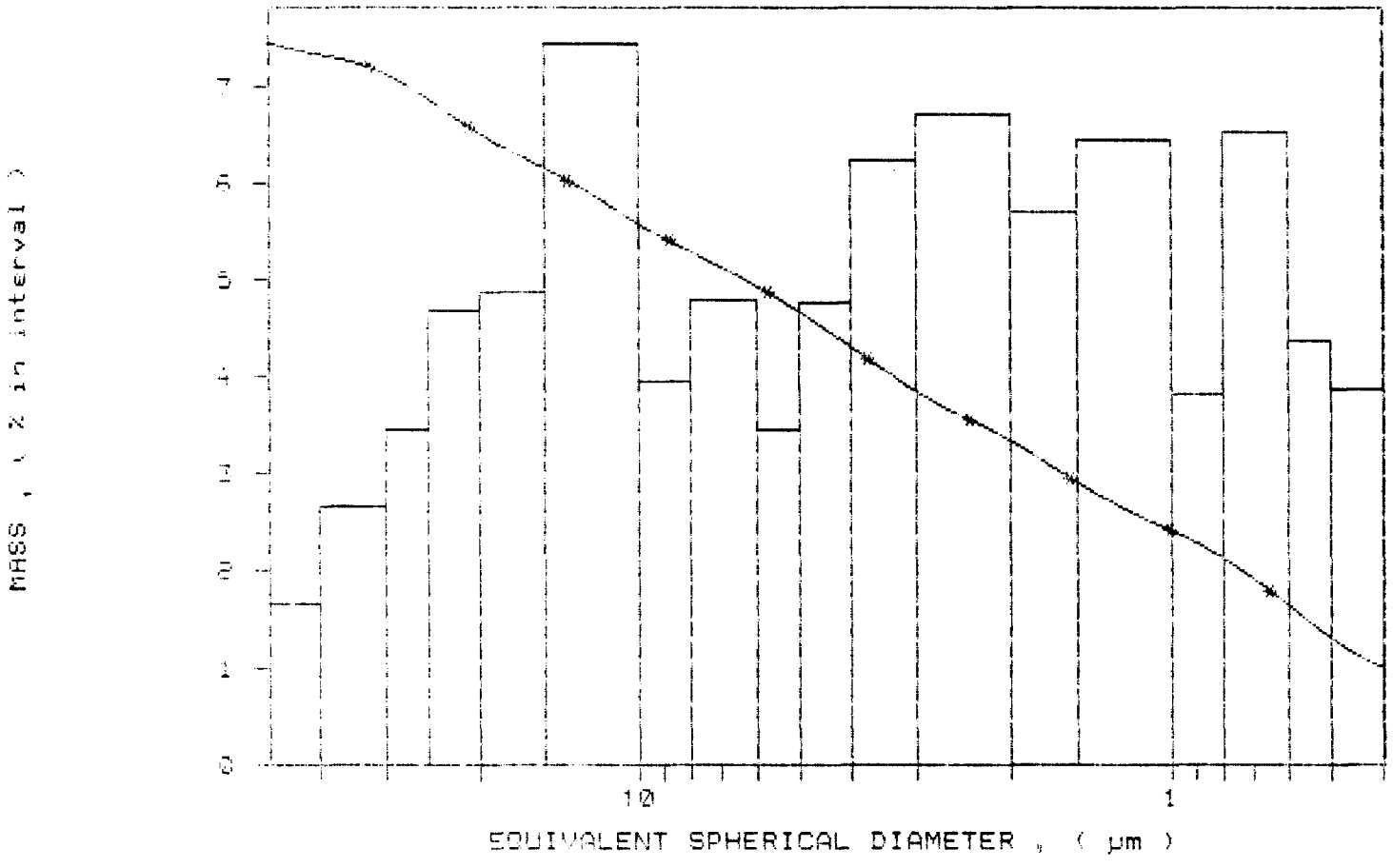
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /890
SAMPLE ID: Hole 29-26 # 2050
SUBMITTER: # 30
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:17:28 11/30/90
REPRT 16:29:38 08/29/91
TOT RUN TIME 0:06:49
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /291
SAMPLE ID: Note Book # 2091
SUBMITTER: # 39
OPERATOR: km
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:58:15 11/30/90
REPRT 16:37:04 08/29/91
TOT RUN TIME 0:06:48
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.79 µm MODAL DIAMETER: 0.58 µm

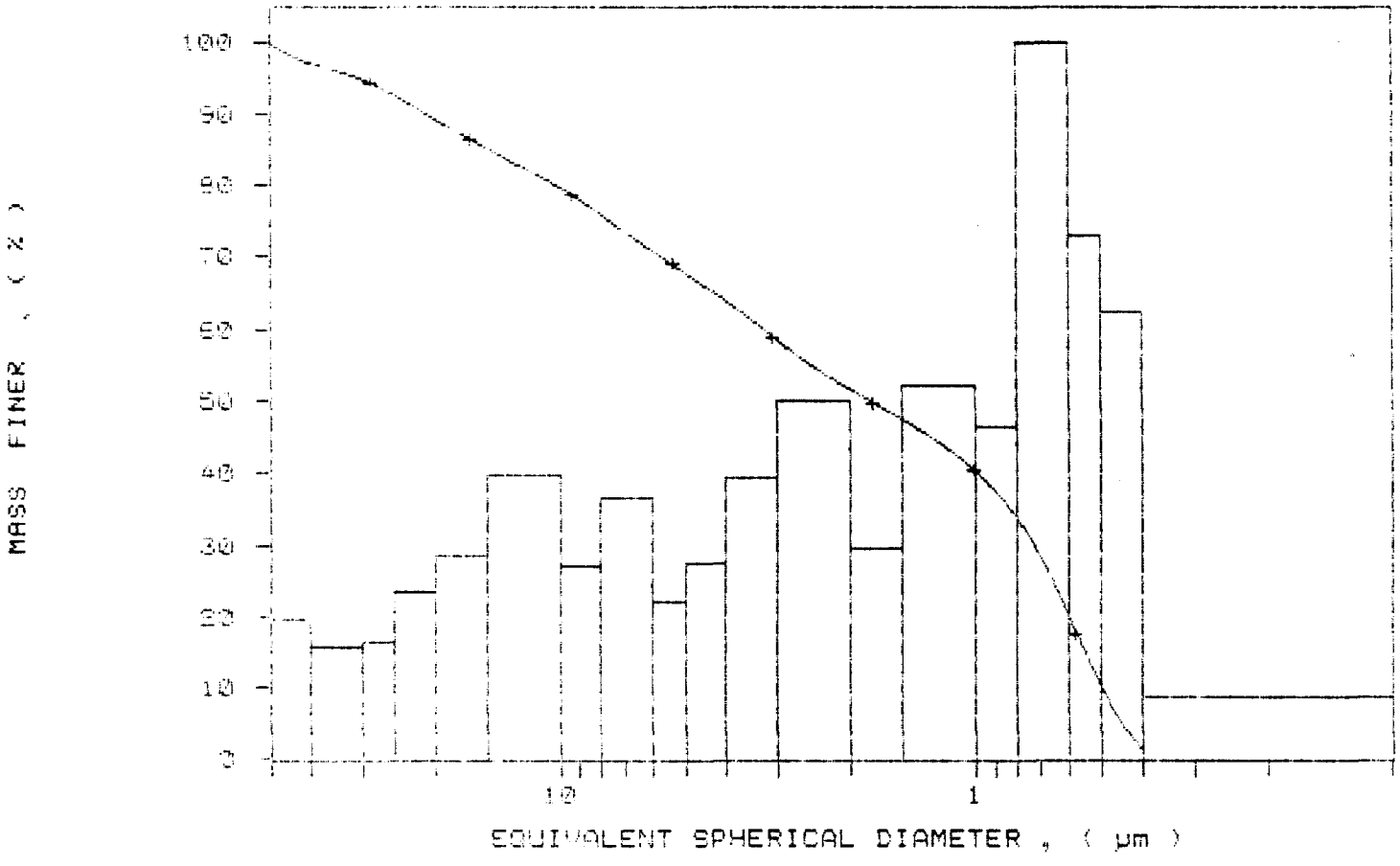
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.7	0.3
40.00	97.0	2.7
30.00	94.8	2.2
25.00	92.5	2.3
20.00	89.2	3.3
15.00	85.3	3.9
10.00	79.7	5.5
8.00	76.9	2.8
6.00	70.3	6.1
5.00	67.2	3.1
4.00	64.0	3.2
3.00	58.5	5.5
2.00	51.6	6.9
1.50	47.5	4.1
1.00	40.2	7.2
0.80	33.8	6.4
0.60	20.0	13.8
0.50	9.9	10.1
0.40	1.2	8.7

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /391
SAMPLE ID: Hole 89-26 # 2091
SUBMITTER: # 89
OPERATOR: km
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 24.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:53:15 11/30/90
REPRT 16:37:04 08/29/91
TOT RUN TIME 0:06:48
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

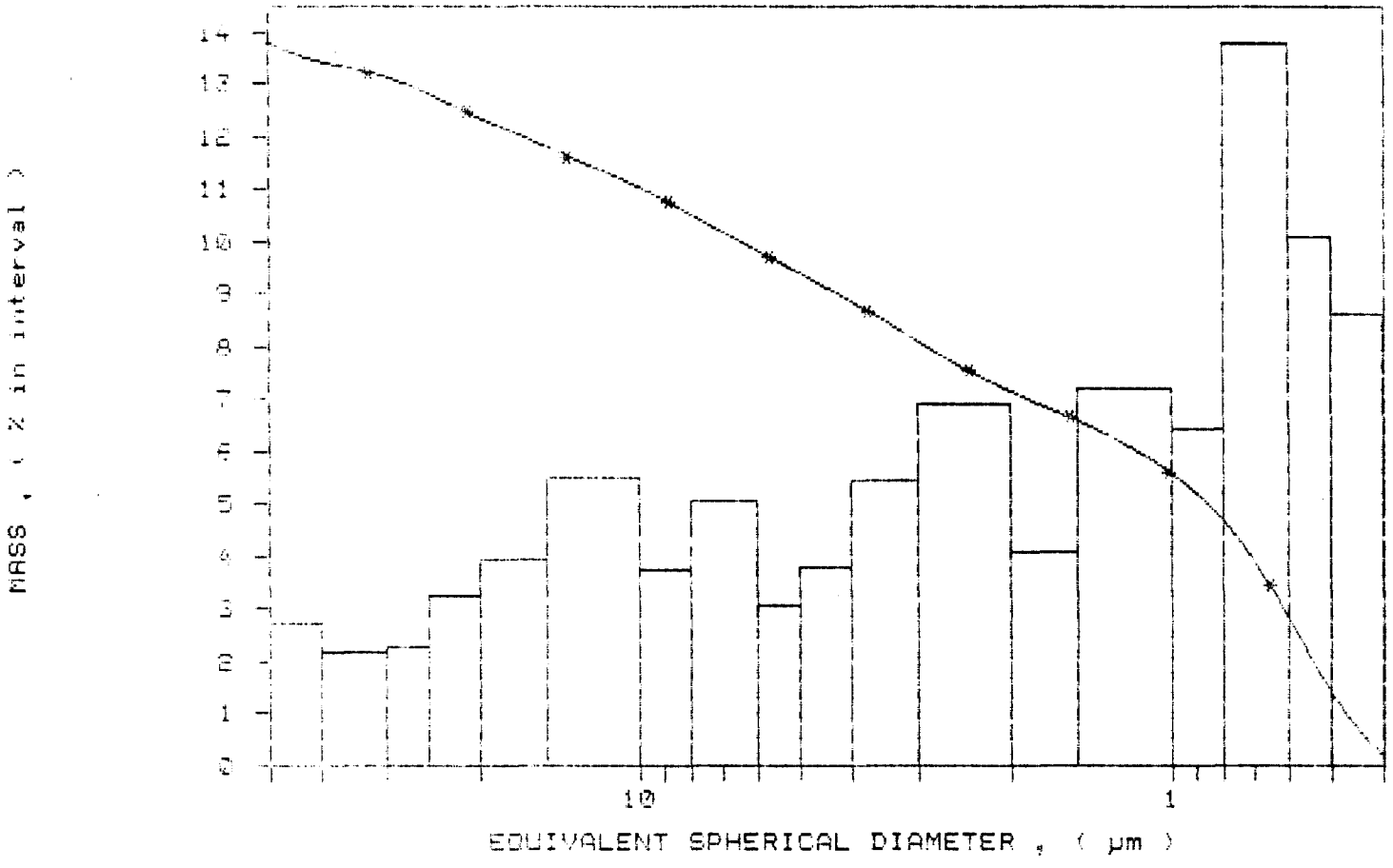
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /291
SAMPLE ID: Note 0.7-20 # 2091
SUBMITTER: # 33
OPERATOR: rm
SAMPLE TYPE: Clay
LIQUID TYPE: water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:53:15 11/30/90
REPRT 16:37:04 08/29/91
TOT RUN TIME 0:06:48
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

SediGraph 5100 V2.03 PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /392
SAMPLE ID: Hole 89-26 # 2092
SUBMITTER: # 89
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:37:19 11/30/90
REPRT 16:40:47 08/29/91
TOT RUN TIME 0:07:14
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 0.61 µm MODAL DIAMETER: 0.55 µm

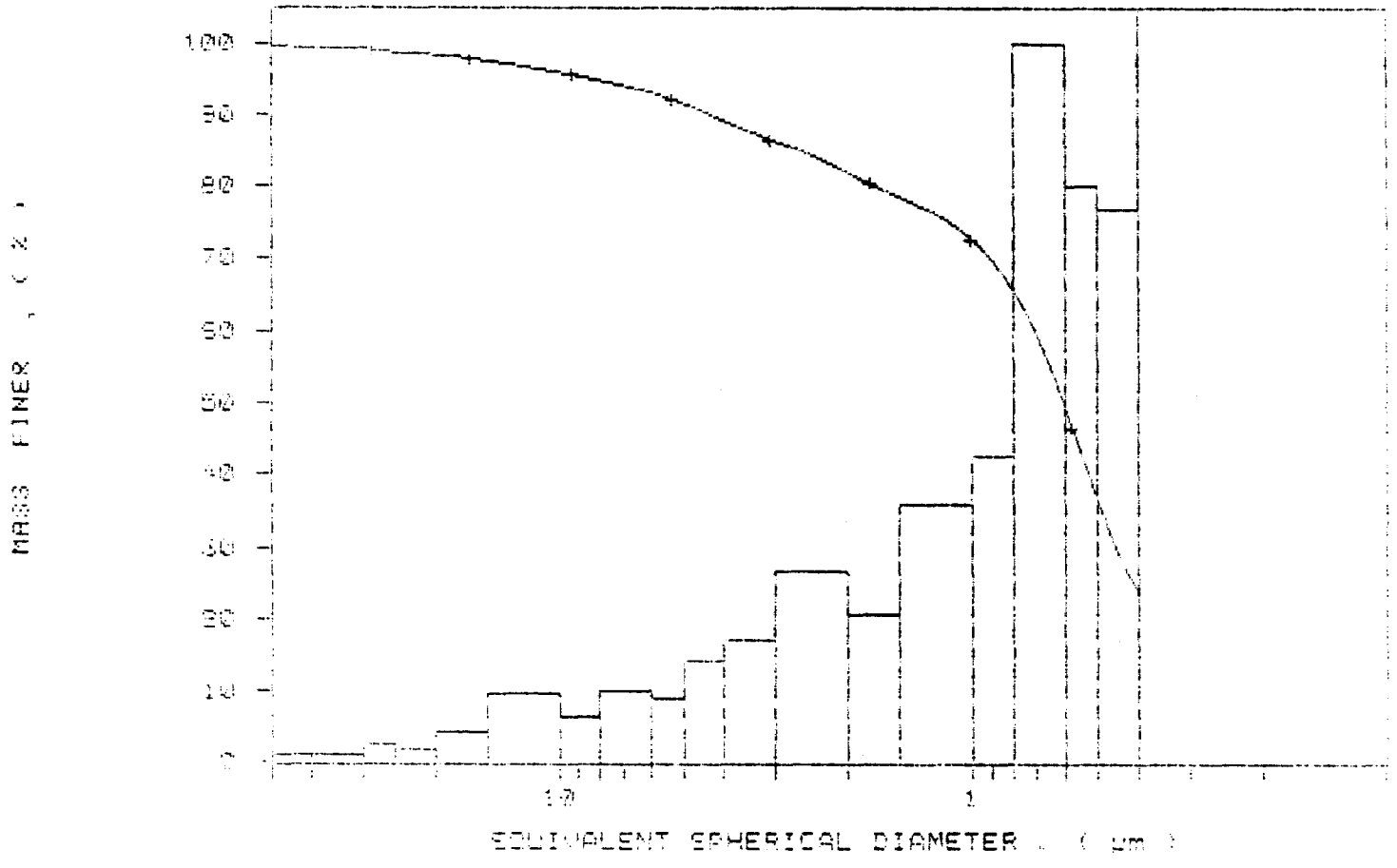
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.5	0.5
40.00	99.3	0.2
30.00	99.1	0.2
25.00	98.6	0.5
20.00	98.2	0.3
15.00	97.5	0.8
10.00	95.9	1.6
8.00	94.8	1.1
6.00	93.1	1.7
5.00	91.6	1.5
4.00	89.2	2.4
3.00	86.4	2.8
2.00	81.9	4.4
1.50	78.5	3.4
1.00	72.7	5.9
0.80	65.7	7.0
0.60	49.3	16.3
0.50	36.2	13.1
0.40	23.6	12.6

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /392
SAMPLE ID: Hole 89-25 # 2092
SUBMITTER: # 89
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:37:19 11/30/90
REPRT 16:40:47 08/29/91
TOT RUN TIME 0:07:14
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

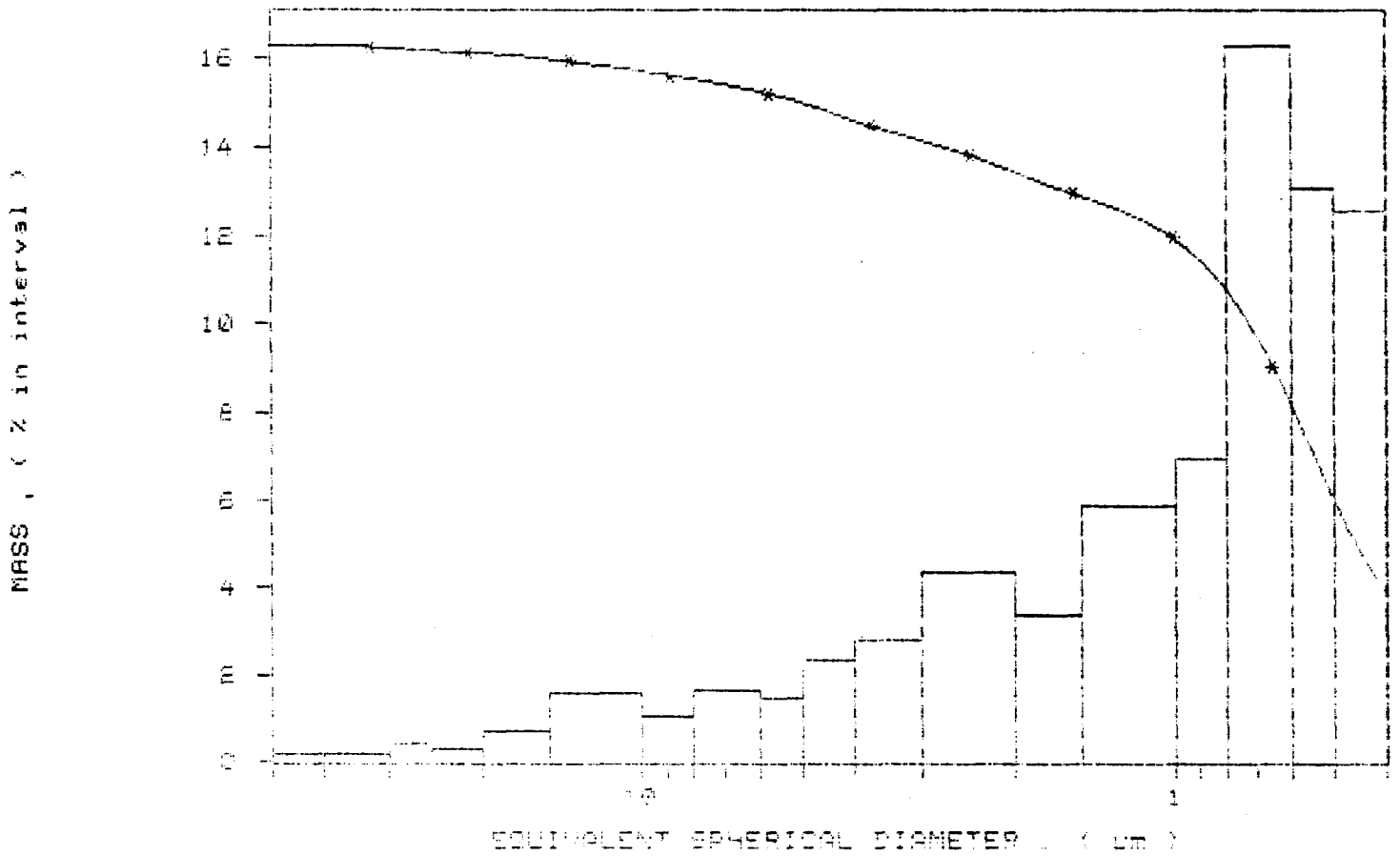
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /392
SAMPLE ID: Hole 89-26 # 2092
SUBMITTER: # 35
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 13:37:19 11/30/90
REPRT 16:40:47 08/29/91
TOT RUN TIME 0:07:14
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Clay

Sedigraph 5100 V2.03

SAMPLE DIRECTORY/NUMBER: DATA3 /396
SAMPLE ID: Hole 89-26 # 2093
SUBMITTER: # 99
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 16:08:06 11/30/90
REPRT 16:44:29 08/29/91
TOT RUN TIME 0:07:07
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.14 µm

MODAL DIAMETER: 1.89 µm

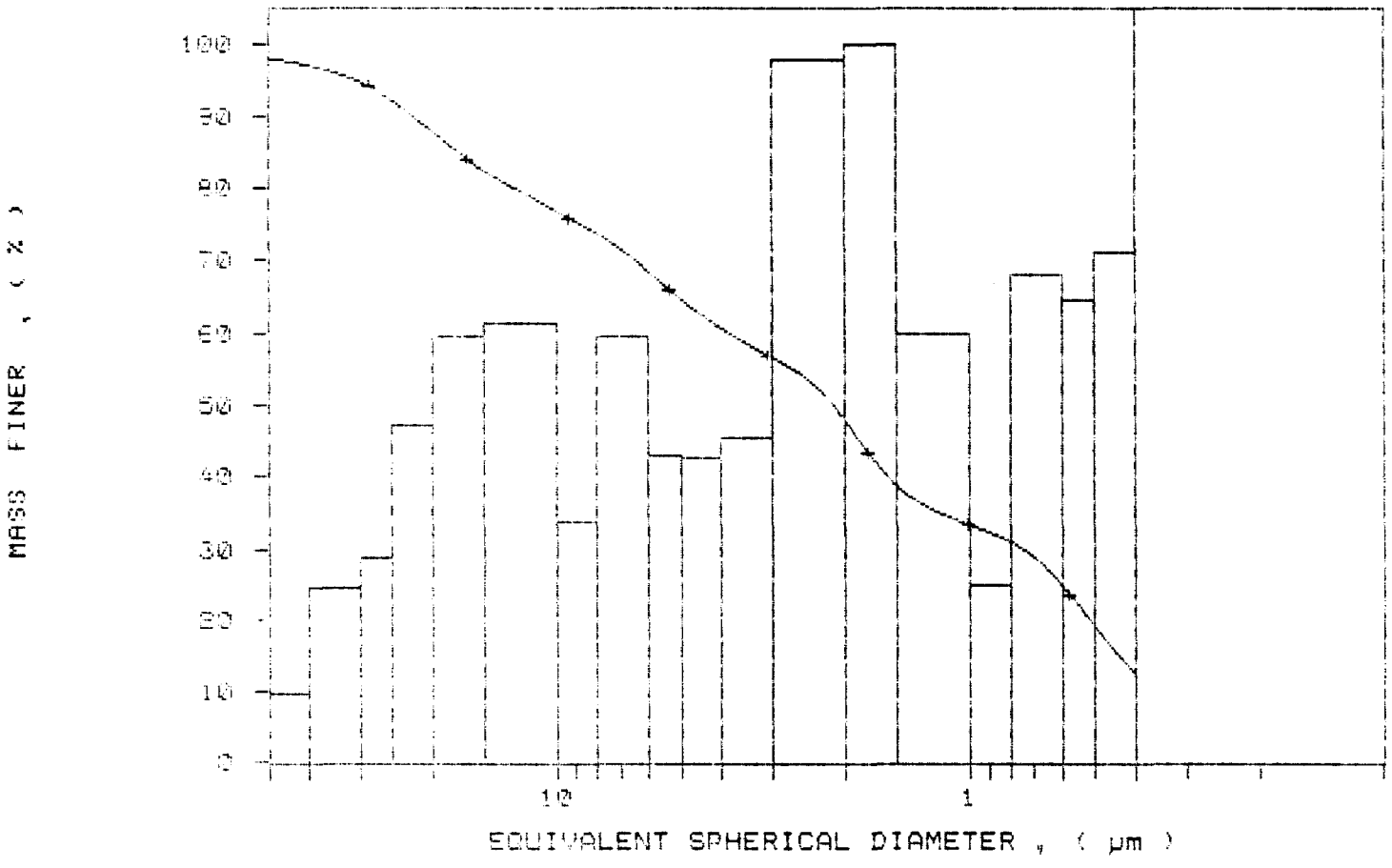
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.8	2.2
40.00	96.9	0.9
30.00	94.7	2.2
25.00	92.1	2.6
20.00	87.8	4.3
15.00	82.4	5.4
10.00	76.8	5.6
8.00	73.8	3.1
6.00	68.4	5.4
5.00	64.5	3.9
4.00	60.7	3.9
3.00	56.6	4.1
2.00	47.7	8.8
1.50	38.7	9.0
1.00	33.3	5.4
0.80	31.0	2.3
0.60	24.8	6.2
0.50	19.0	5.8
0.40	12.5	6.5

MINERAL RESEARCH
CANADA
1 INDUSTRIAL BLVD. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8
FAX (705) 378-5123 BUS (705) 378-2416
DATE

SAMPLE DIRECTORY/NUMBER: DATA3 /396
SAMPLE ID: Note 8-26 # 2093
SUBMITTER: # 99
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 16:08:06 11/30/90
REPRT 16:44:29 08/29/91
TOT RUN TIME 0:07:07
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

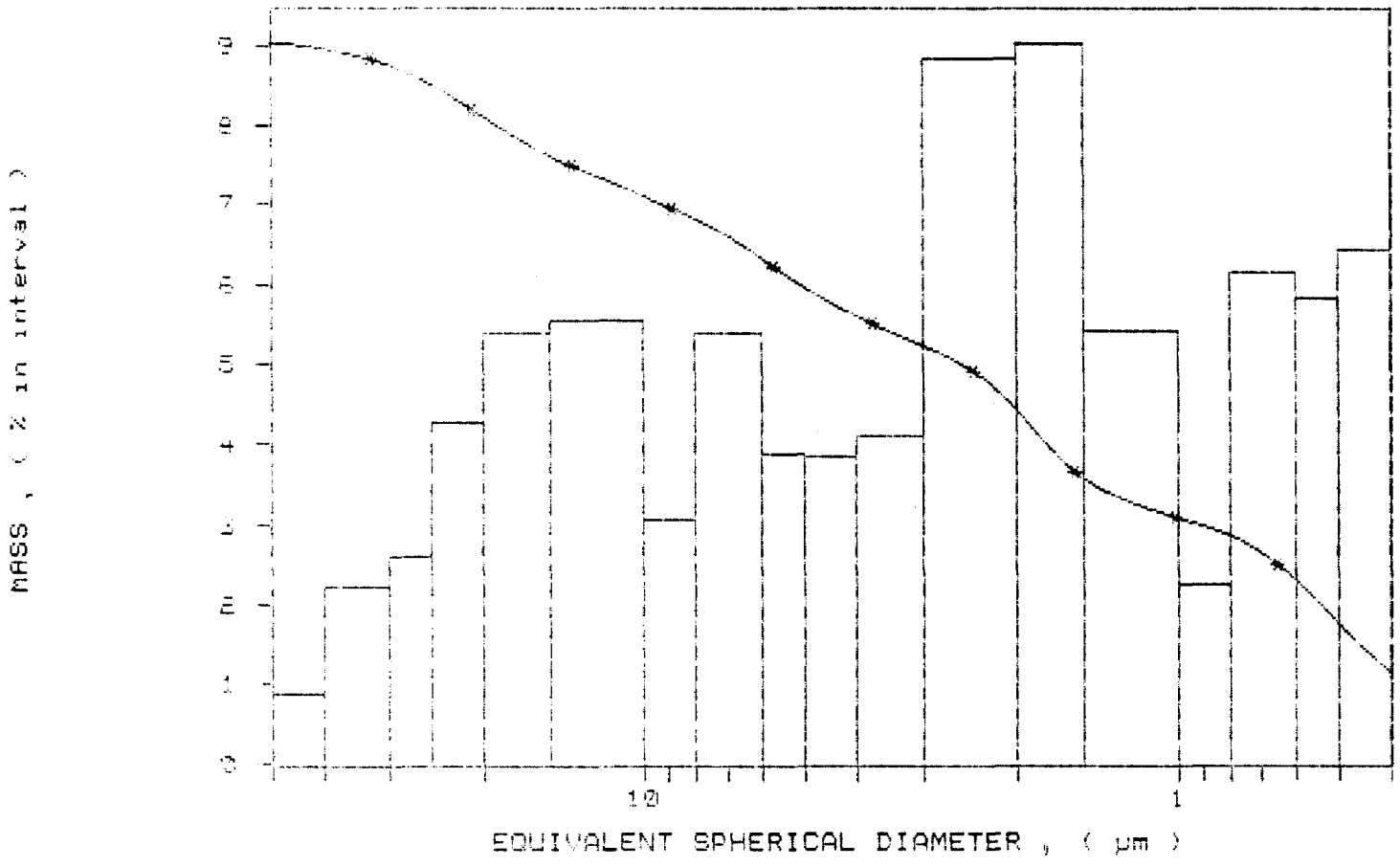
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /296
SAMPLE ID: Hole 23-26 # 2093
SUBMITTER: # 35
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 16:08:06 11/30/90
REPRT 16:44:29 08/29/91
TOT RUN TIME 0:07:07
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

MASS POPULATION VS. DIAMETER
* CUMULATIVE MASS PERCENT FINER VS. DIAMETER



Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9260.00143

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.14801

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations for requir
  Recorder.
- A separate copy of this form must be completed f
- Technical reports and maps must accompany this
- A sketch, showing the claims the work is assigned

42J01NE8091 2.14801 KIPLING 900

Recorded Holder(s): Great Lakes Kaolin Inc.			Client No.: 221553
Address: 145 Columbia Street West #3, Waterloo, Ont. N2L 3L2			Telephone No.: (519) 746-8101
Mining Division: Porcupine	Township/Area: Kipling		M or G Plan No.
Dates Work Performed	From: Nov. 6, 1990	To: Nov. 24, 1992	

RECEIVED NOV 18 1992 MINING LANDS BRANCH

Work Performed (Check One Work Group Only)

	Work Group	
	Geotechnical Survey	
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	Subsection 18 (9)
	Assays	
	Assignment from Reserve	

RECORDED OCT 21 1992 Receipt

Total Assessment Work Claimed on the Attached Statement of Costs $ 22,680

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Anne Casselman	Mineral Research Canada Inc
Karina Malmstrom	R.R #2
	Parry Sound, ON
	P2A 2W8

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date: Oct. 16/92	Recorded Holder or Agent (Signature): [signature]

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying: Anne Casselman (Parry Sound address)		
Telephone No.: (705) 378-2416	Date: Oct 14, 1992	Certified By (Signature): A. Casselman

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$ 22,680.00	OCT. 21/92	[signature]	PORCUPINE MINING DIVISION RECEIVED OCT 21 1992 11:45
	Deemed Approval Date: JAN. 19th/93	Date Approved	
	Date Notice for Amendments Sent		

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
N/A	P8x5810	1	$12,040	0	$12,000	$40.00
N/A	P970177	1	$10,640	0	$10,140	$500.00
N/A	P 1112282	1	0	400	0	0
N/A	1112283	1	0	225	0	0
N/A	1112284	1	0	310	0	0
N/A	1112285	1	0	310	0	0
N/A	1112286	1	0	310	0	0
N/A	1112287	1	0	310	0	0
N/A	1112288	1	0	225	0	0
N/A	1112289	1	0	400	0	0
N/A	1112290	1	0	400	0	0
N/A	1112291	1	0	225	0	0
N/A	1112292	1	0	310	0	0
N/A	1112293	1	0	310	0	0
N/A	1112294	1	0	310	0	0
N/A	1112295	1	0	310	0	0
N/A	1112296	1	0	225	0	0
	60		22,680	22,140	22,140	$540.00
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

PWS 2

0241 (03/91)

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☑ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: ork has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented , or leased land at the time the work was performed.

Signature

Date

241 (05/91)

Numéro de rapport sur les travaux exécutés pour l'affectation de la réserve	Numéro de claim	Nombre d'unités	Valeur des travaux d'évaluation exécutés sur ce claim	Valeur affectée à ce claim	Valeur totale des travaux exécutés	Valeur totale des travaux qui a été affectée	Valeur transférée de ce claim	Réserve : travaux à réclamer à une date ultérieure	Total transféré	Réserve totale
MNR 1	PM12257	1	0	400	0	400	0	0	0	0
MNR 01	M122258	1	0	400	0	400	0	0	0	0
MNR 148	M122277	1	0	140	0	400	0	0	0	0
MNR 2.148	M123300	1	0	310	0	400	0	0	0	0
MNR	M123301	1	0	310	0	400	0	0	0	0
MNR	M123302	1	0	400	0	400	0	0	0	0
MNR	M123303	1	0	400	0	400	0	0	0	0
MNR	M123304	1	0	400	0	400	0	0	0	0
MNR	M123305	1	0	400	0	400	0	0	0	0
MNR	M123306	1	0	400	0	400	0	0	0	0
MNR	M123317	1	0	400	0	400	0	0	0	0
MNR	M123318	1	0	400	0	400	0	0	0	0
MNR	M123320	1	0	400	0	400	0	0	0	0
MNR	M123321	1	0	400	0	400	0	0	0	0
MNR	M123322	1	0	400	0	400	0	0	0	0
MNR	M123323	1	0	400	0	400	0	0	0	0

Nombre total de claims

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MINING LANDS BRANCH

Les crédits que vous réclamez dans le présent rapport peuvent être réduits. Afin de diminuer les conséquences défavorables de telles réductions, veuillez indiquer l'ordre dans lequel vous désirez qu'elles soient appliquées à vos claims. Veuillez cocher (✓) l'une des options suivantes :

1. ☐ Les crédits doivent être réduits en commençant par le dernier claim sur la liste.
2. ☐ Les crédits doivent être réduits également entre tous les claims figurant dans le présent rapport.
3. ☐ Les crédits doivent être réduits selon l'ordre donné en annexe.

Si vous n'avez pas choisi d'option, la première sera appliquée.

Note 1 : Examples d'intérêts bénéficiaires : cessions non enregistrées, ententes sur des options, protocoles d'entente, etc. relatifs aux claims.

Note 2: Si des travaux ont été exécutés sur un terrain faisant l'objet de lettres patentes ou d'un bail, veuillez remplir ce qui suit:

Je certifie que le titulaire enregistré possédait un intérêt bénéficiaire sur le terrain faisant l'objet de lettres patentes ou d'un bail, au moment où les travaux ont été exécutés.	Signature	Date

Work Report Number for Filing Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
N/A	P111 2324	1	0	400	0	0
N/A	111 2325	1	0	400	0	0
N/A	111 2326	1	0	400	0	0
N/A	111 2327	1	0	400	0	0
N/A	111 2328	1	0	400	0	0
N/A	111 2329	1	0	400	0	0
N/A	111 2330	1	0	400	0	0
N/A	111 2331	1	0	400	0	0
N/A	111 2332	1	0	400	0	0
N/A	111 2333	1	0	400	0	0
N/A	111 2334	1	0	400	0	0
N/A	111 2335	1	0	400	0	0
N/A	111 2336	1	0	400	0	0
N/A	111 2337	1	0	400	0	0
N/A	111 2338	1	0	400	0	0
N/A	111 2339	1	0	400	0	0
N/A	111 2340	1	0	400	0	0
		Total number of Claims	Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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3. ☐ Credits are to be cut back as prioritized on the attached appendix.

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Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature

Date

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
N/A	P1112341	1	0	400	0	0
N/A	P1112342	1	0	400	0	0
N/A	1112343	1	0	400	0	0
N/A	1112344	1	0	400	0	0
N/A	1112345	1	0	400	0	0
N/A	1112346	1	0	400	0	0
N/A	1112347	1	0	400	0	0
N/A	1112348	1	0	400	0	0
N/A	1112349	1	0	400	0	0
N/A	1112350	1	0	400	0	0
N/A	1112351	1	0	400	0	0
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned from	Total Reserve

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MINING LANDS BRANCH

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I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature

Date

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Transaction No./N° de transaction W9260.00143

Mining Act/Loi sur les mines 2.14801

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		[illegible]
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type Laboratory Tests		
	Sociemphos 130 x 81		= 10530
	Rotaps 105 x 81		= 8505
	moisture 45 x 81		= 3645
			22680
Supplies Used Fournitures utilisées	Type		
			[illegible]
Equipment Rental Location de matériel	Type		
	RECEIVED		
	NOV 18 1992		[illegible]
	Mining Lands Section	Total Direct Costs Total des coûts directs	22680

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
		Sub Total of Indirect Costs Total partiel des coûts indirects	
		Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)	
		Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**	

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as President (Recorded Holder, Agent, Position in Company) I am authorized

to make this certification.

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OCT 21 1992

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ (titulaire enregistré, représentant, poste occupé dans la compagnie) je suis autorisé

à faire cette attestation.

Signature	Date
[signature]	Oct. 16/92

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Mining Lands Branch
Geoscience Approvals Section
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

December 15, 1992

Our File: 2.14801
Transaction #W9260.143

Mining Recorder
Ministry of Northern Development
and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir/Madam:

Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS P825810 AND 970177 IN KIPLING TOWNSHIP

The assessment work credits for Other Authorized Work (Testing) filed under Section 18(9) of the Mining Act Regulations have been approved as originally filed.

The approval date is December 10, 1992.

Yours sincerely,

for Ron C. Gashinski
Senior Manager, Mining Lands Branch
Mines and Minerals Division

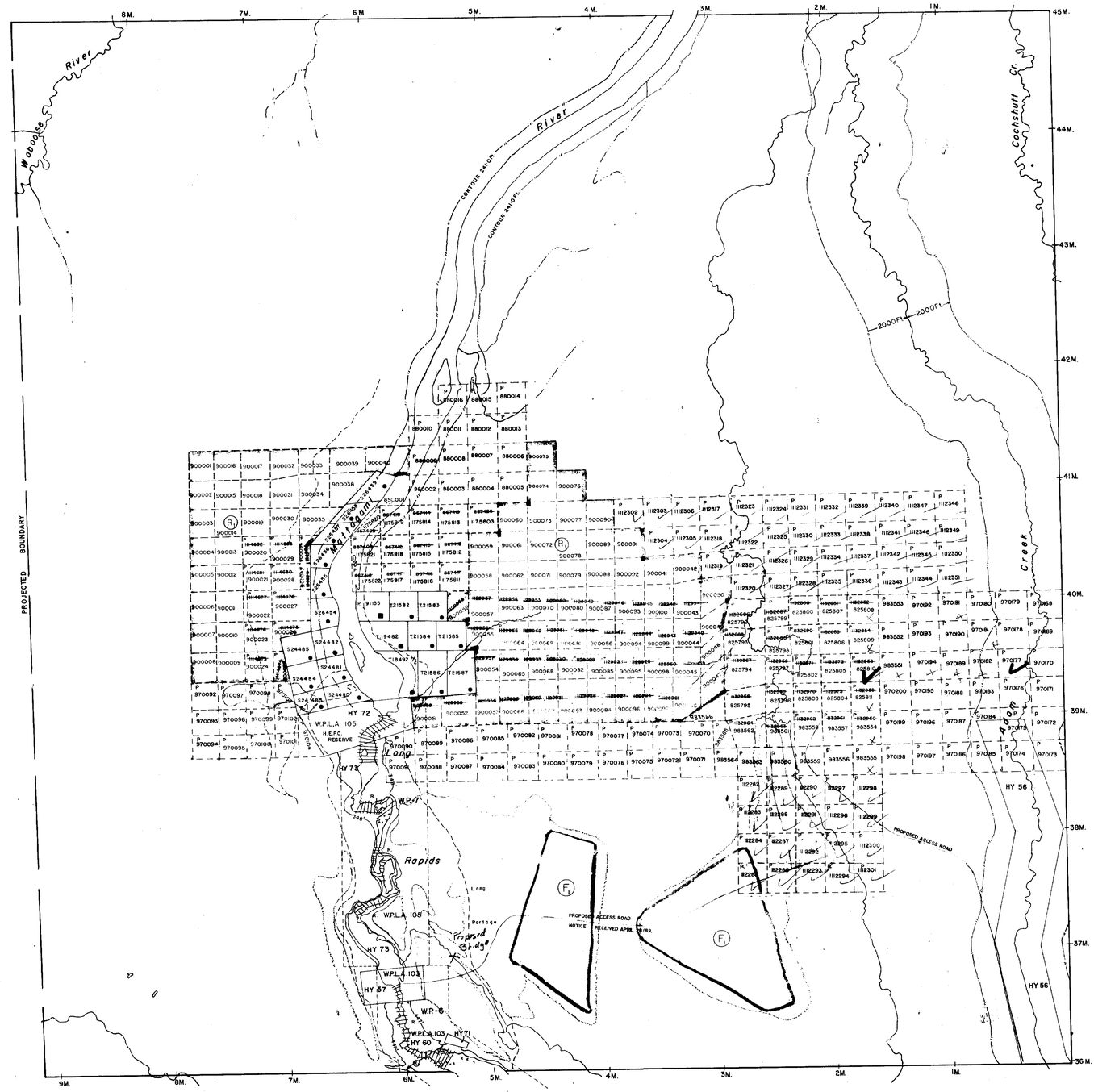
LJ/jl
Enclosures:

cc: Resident Geologist
Timmins, Ontario

Assessment Files Library
Toronto, Ontario


KIPLING PROJECT
DRILL HOLE PLAN
SCALE 1:12000 1"=1000'
DRAWING NO.:
DATE: JULY 1989
N
ADAM CREEK
PIKE CREEK
MATTAGAMI RIVER
ONTARIO HYDRO KIPLING DAM
LEASED CLAIMS
PATENTED CLAIMS

SANBORN TWP.



LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◓
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	◧
" , MINING RIGHTS ONLY	◨
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	(R)
CANCELLED	⊗
SAND & GRAVEL	(S)

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC 1.

NOTES

FLOODING RESERVATION TO CONTOUR ELEVATION 241.0 Ft. FROM GRAND RAPIDS TO TAILWATER OF KIPLING G.S.T. RESERVED FOR ONTARIO HYDRO.

FLOODING RESERVATION ON ADAM CREEK EXTENDED TO 2000' EACH SIDE OF CENTERLINE OF CREEK, RESERVED FOR ONTARIO HYDRO.

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

(R) LAND NOT OPEN FOR STAKING (SECTION 36(1) OF THE MINING ACT R.S.O. 1980)

NOTES

(F) THIS TWP. IS SUBJECT TO FORESTRY ACTIVITIES IN 1990. FURTHER INFORMATION AVAILABLE ON FILE.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

ACRES	HECTARES
40	16

TOWNSHIP OF

KIPLING

DISTRICT
COCHRANE

MINING DIVISION
PORCUPINE

Ontario Ministry of Natural Resources
Ministry of Northern Development and Mines

Date	Plan No.
JULY 1986	G-896

National Topographic Series
PLOTTED MAY 4/94 BS
PLOTTED ON ACTIVE FILE 90/05/08

KIPLING TWP.