

ROTARY DRILL



42J01NE0001 2-14570 KIPLING

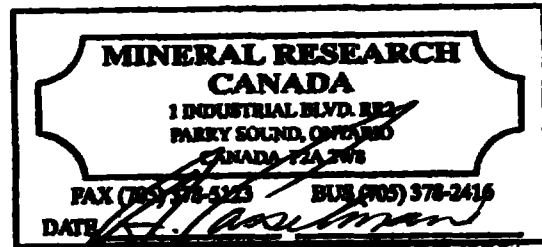
010

Drilling Started: February 25, 1989
 Drilling Finished: February 26, 1989
 Length: 225.0'
 Claim No. 825798
 Property: Kipling
 Overburden Depth: 85.0'
 Dip Collar: -90
 Northing: 090 N
 Easting: 5090 E
 Hole Number: 89-36

Logged by: A. Casselman
 Logged: May 1, 1989
 Drilling Co. Midwest
 Core: 3.5"
 Core Storage:
 Mineral Research Canada
 R. R. # 2
 Parry Sound, ON
 P2A 2W8
 (705) 378-2416

SUMMARY

From	To	Description
0.0'	1.0'	Peat
1.0'	16.0'	Lacustrine Clay
16.0'	85.0'	Glacial Clay Till Pleistocene - Overburden
85.0'	97.0'	Kss (Kaolin Silica Sand) Cretaceous
97.0'	105.0'	Sandy Clay
105.0'	113.0'	Kss
113.0'	117.0'	Clay
117.0'	121.0'	Sandy Clay
121.0'	125.0'	Clay
125.0'	128.0'	Sandy Clay
128.0'	132.0'	Clay
132.0'	137.0'	Kss
137.0'	139.0'	Sandy Clay
139.0'	143.0'	Clay
143.0'	153.0'	Sandy Clay
153.0'	225.0'	Kss



EOH - 225.0'

Detail Log 89-36

From	To	Sample No.	Description
0.0'	1.0'		Peat
1.0'	16.0'		Lacustrine Clay - silty, fine grain, yellow/brown, pliable, clast-free.
16.0'	85.0'		Glacial Clay Till - green/grey, clay-rich, pebble till, pliable, interlayered with competent sections, 15% clasts, from 0.25 - 4.0", predominantly Devonian carbonates.
85.0'	89.0'	14451	Kss - medium grain, white to light grey. 5.75% kaolin.
89.0'	93.0'	14452	Kss - 89.0 - 90.5' - fine grain, white to grey, 90.5 - 92.5' - sandy Clay, light brown, pliable, to weakly friable, 92.5 - 93.0' - medium grain, yellow/grey. 34.23% kaolin.
93.0'	97.0'	14453	Kss - medium grain, grey/yellow, 93.0 - 95.0', white with rare yellow clots. 10.03% kaolin.
97.0'	101.0'	14454	Sandy Clay - pliable, to weakly friable, light brown from 97.0 - 99.5', 99.5' - 101.0' - kss - medium grain, white with yellow clots. 23.57% kaolin.
101.0'	105.0'	14455	Sandy Clay - competent, friable to weakly pliable, light and medium brown as alternating laminations, 103.0 - 104.0' - clay competent, friable to pliable, medium brown. 53.70% kaolin.
105.0'	109.0'	14456	Kss - 105.0 - 108.0' - medium grain, white to yellow, 108.0 - 109.0' - coarse grain, light grey. 8.71 % kaolin.
109.0'	113.0	14457	Kss - as above, from 109.0 - 111.5', clay from 111.5 - 112.5' - pliable, light brown, 112.5' - 113.0' - kss, fine grain, white, weakly yellow. 25.51% kaolin.

113.0'	117.0'	14458	Clay - pliable, light yellow. 70.0% kaolin.
117.0'	121.0'	14459	Sandy Clay - light grey, with kss interbeds that are fine grain, white. 34.46% kaolin.
121.0'	125.0'		Clay - disc-like, competent, (entire hole dried to end, grease on interior and exterior of the poly-sleeves, much mould on upper footages).
125.0'	128.0'		Sandy Clay - competent, fissile, fine grain, buff, much drilling debris.
128.0'	132.0'		Clay - competent, greasy, buff with darker laminations, illitic in rare silty sections, drill gouging.
132.0'	137.0'		Kss - medium grain, highly competent.
137.0'	139.0'		Sandy Clay - competent, light grey, minor heavies and illite, sulphureous smell.
139.0'	143.0'		Clay - rare silty, illitic sections, competent, disc-like, buff, some areas nearly yellow.
143.0'	145.0'		Sandy Clay - competent, light grey, minor illite, disc-like.
145.0'	153.0'		Sandy Clay - as above, less sandy downsection.
153.0'	160.0'		Kss - fine grain, grading to medium grain, light brown, drilling debris, sulphureous smell, yellow exterior coating.
160.0'	165.0'		Kss - as above.
165.0'	170.0'		Kss - coarse grain, in a white clay matrix.
170.0'	175.0'		Kss - as above, light brown matrix with vari-coloured silica.
175.0'	180.0'		Kss - medium grain, grading to fine, light brown.
180.0'	185.0'		Kss - medium grain, light brown.
185.0'	190.0'		Kss - medium grain, light brown, minor heavies and illite, moist.
190.0'	195.0'		Kss - as above.
195.0'	199.0'		Kss - as above.

199.0' 203.0' Kss - as above. dried
203.0' 206.0' Kss - as above, white.
206.0' 209.0' Kss - as above.
209.0' 212.0' Kss - as above.
212.0' 215.0' Kss - as above.
215.0' 218.0' Kss - as above.
218.0' 222.0' Kss - as above.
222.0' 225.0' Kss - as above.

EOH - 225.0'

SECTION 89-36

Claim No. - 825798

Length - 225.0'

Overburden Depth - 85.0'

Dip Collar - -90

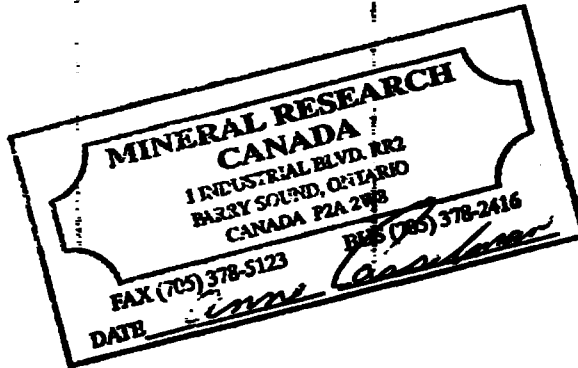
Northing - 090 N

Easting - 5090 E

Scale - 1.0" = 50.0'

16600 E

16600 E



1375 ELEV.

1325

89-36

Lee Clay

1275

TII

1225

KSS

Sandy Clay

SS

Clay to sand

Sandy Clay

Claylt brn

Sandy Clay

Claylt brn

KSS

Sandy Clay

1175

KSS

1125

35' SOUTH

1075

89-36

WAB
WAB
WAB
WAB
WAB
WAB
WAB

**MINERAL RESEARCH
CANADA**
1 INDUSTRIAL SQUARE
BARRY'S POINT
CANADA

FAX (705) 378-3223 TEL (705) 378-2416

DATE *and as above*

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 89-36 14451	+ 4	0.1		
	+ 40	37.9		
	+100	79.9	8.4	
	+200	2.1		8.1
	+325	0.7		
	-325	9.3		
14452	+ 4	0.9		
	+ 40	55.4		
	+100	28.2	4.7	
	+200	2.7		8.1
	+325	1.2		
	-325	11.6		
14453	+ 4	0.5		
	+ 40	75.1		
	+100	8.0	4.1	
	+200	3.9		8.0
	+325	1.6		
	-325	10.9		
14454	+ 4	0.2		
	+ 40	0.9		
	+100	4.9		
	+200	8.0		8.0
	+325	8.9		
	-325			
14455	+ 4	0.2		
	+ 40	19.7		
	+100	28.2	9.1	8.0
	+200	4.2		
	+325	4.2		
	-325	47.7		



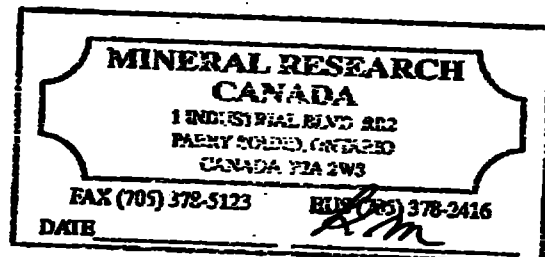
MINERAL RESEARCH CANADA

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 89-36 14456	+ 4	0.7	3.5	8.1
	+ 40	74.1		
	+100	10.7		
	+200	2.7		
	+325	0.9		
	-325	10.9		
14457	+ 4	0.6	8.8	8.0
	+ 40	72.8		
	+100	13.0		
	+200	2.1		
	+325	1.1		
	-325	10.4		
14458	+ 4	8	14.6	8.1
	+ 40	2.2		
	+100	2.1		
	+200	3.7		
	+325	2.8		
	-325	89.2		
14459	+ 4	0.5	6.2	8.1
	+ 40	47.0		
	+100	36.9		
	+200	1.5		
	+325	0.5		
	-325	13.6		
	+ 4			
	+ 40			
	+100			
	+200			
	+325			
	-325			



Clay

SediGraph 5100 V2.02

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /55
 SAMPLE ID: Hole 89-36 # 14451
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 09:40:55 08/28/90
 REPR1 14:10:28 08/22/91
 TOT RUN TIME 0:18:12
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

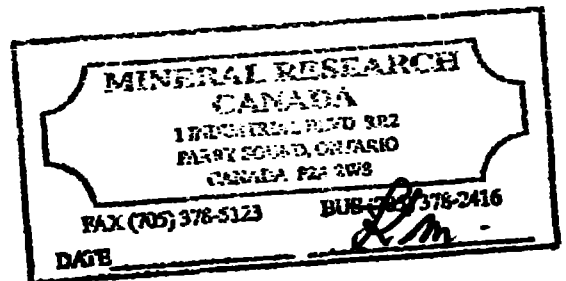
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.86 μ m

MODAL DIAMETER: 8.56 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	103.0	-3.0
40.00	99.5	3.4
30.00	96.4	3.2
25.00	93.2	3.2
20.00	89.1	4.1
15.00	83.8	5.3
10.00	75.7	8.1
8.00	70.6	5.1
6.00	65.1	5.5
5.00	62.1	3.0
4.00	57.4	4.7
3.00	51.0	6.4
2.00	43.4	7.6
1.50	39.0	4.4
1.00	31.8	7.2
0.80	28.8	3.0
0.60	25.0	3.9
0.50	22.9	2.1
0.40	21.3	1.5



Clay

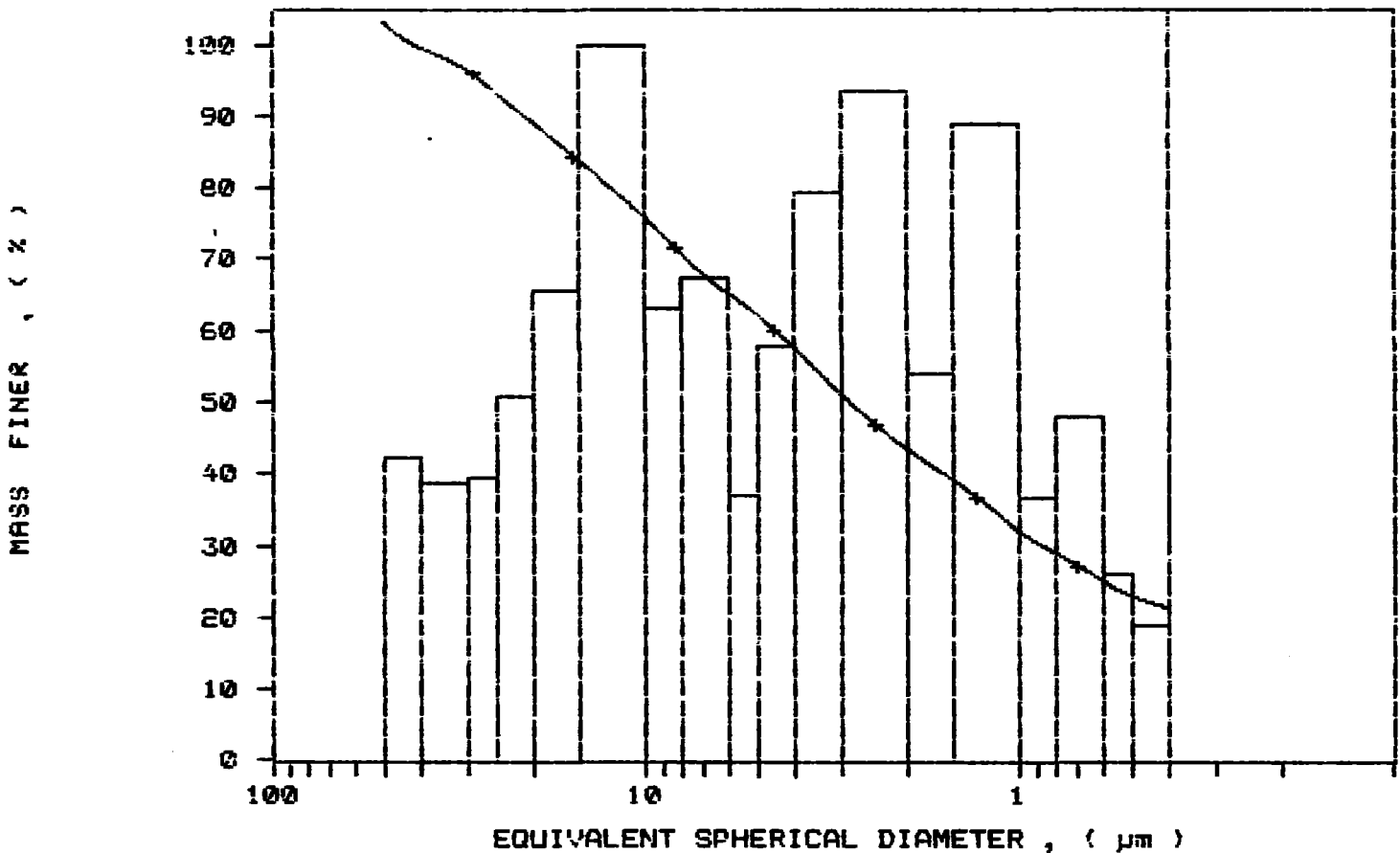
SediGraph 5100 V2.02

PAGE 2

SAMPLE DIRECTORY/NUMBER: DATAS /55
SAMPLE ID: Hole 89-36 # 14451
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 09:40:55 08/28/90
REPT 14:10:28 08/22/91
TOT RUN TIME 0:18:12
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

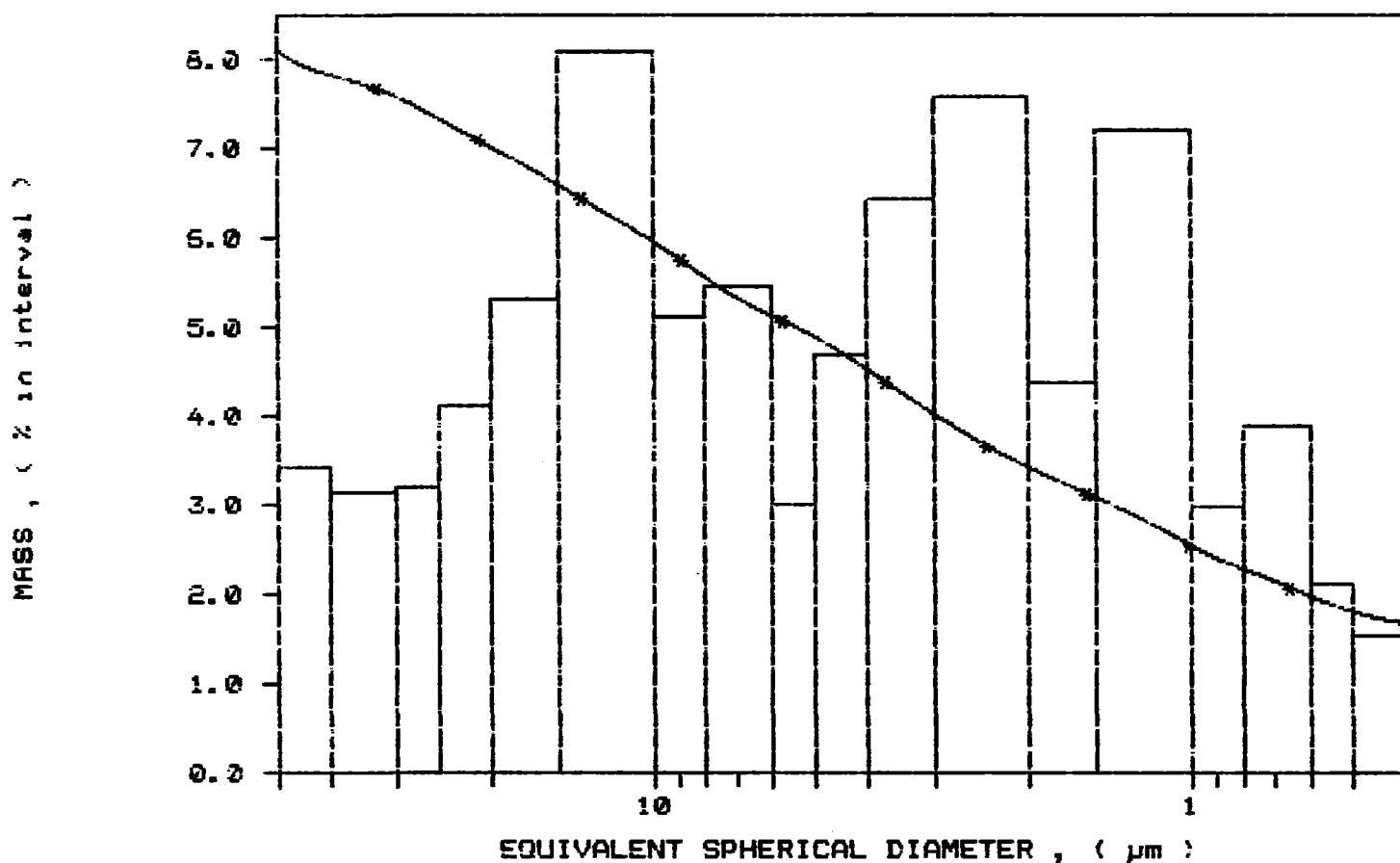
SediGraph 5100 V2.02

PAGE 3

SAMPLE DIRECTORY/NUMBER: DATA3 /55
SAMPLE ID: Hole 89-36 # 14451
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 09:40:55 08/28/90
REPT 14:10:28 08/22/91
TOT RUN TIME 0:18:12
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 V2.02

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATAS /56
 SAMPLE ID: Hole 89-36 # 14452
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 14:33:10 08/28/90
 REPT 14:18:48 08/22/91
 TOT RUN TIME 0:18:11
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7263 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

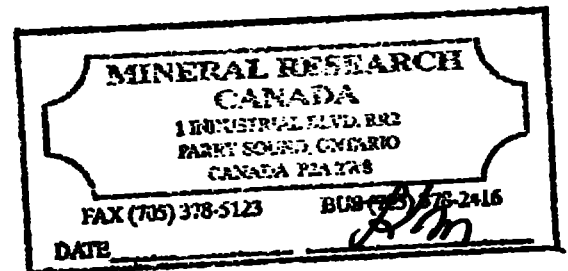
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.04 μ m

MODAL DIAMETER: 2.38 μ m

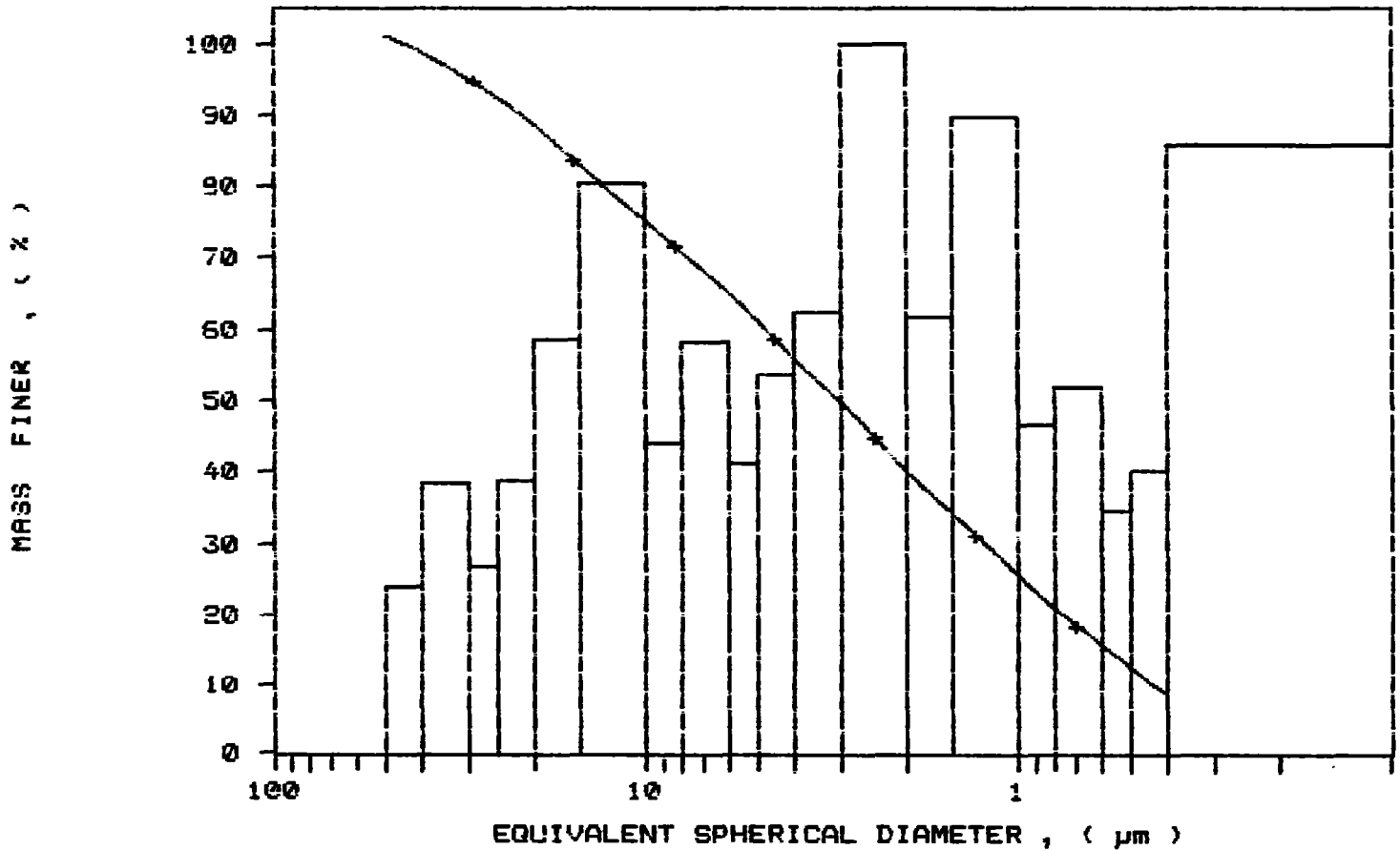
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	101.1	-1.1
40.00	98.7	2.3
30.00	95.0	3.7
25.00	92.4	2.6
20.00	88.6	3.8
15.00	82.9	5.7
10.00	75.0	7.9
8.00	70.7	4.3
6.00	65.0	5.7
5.00	61.0	4.0
4.00	55.8	5.2
3.00	49.7	6.1
2.00	40.0	9.7
1.50	33.9	6.0
1.00	25.2	8.7
0.80	20.7	4.5
0.60	15.6	5.0
0.50	12.3	3.4
0.40	8.4	3.9



SAMPLE DIRECTORY/NUMBER: DATA3 /56
SAMPLE ID: Hole 89-36 # 14452
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 14:33:10 08/28/90
REPR1 14:18:48 08/22/91
TOT RUN TIME 0:18:11
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7263 cp

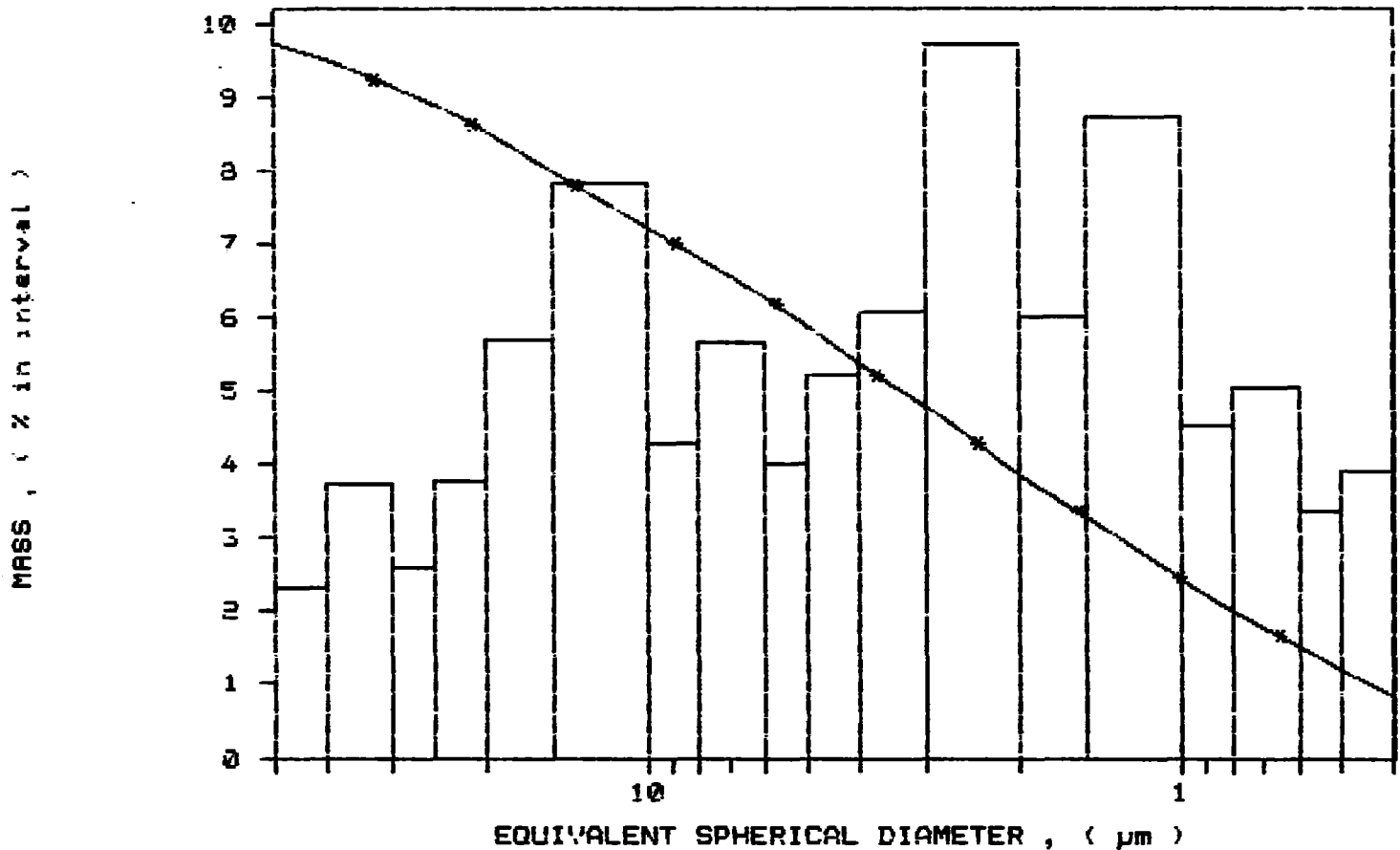
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /56
 SAMPLE ID: Hole 89-36 # 14452
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 14:33:10 08/28/90
 REPT 14:18:48 08/22/91
 TOT RUN TIME 0:18:11
 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



SediGraph 5100 V2.02

Clay

PAGE 1

SAMPLE DIRECTORY/NUMBER: DA1A3 /57
 SAMPLE ID: Hole 89-36 14453
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 15:51:32 08/28/9
 REPT 14:27:08 08/22/9
 TOT RUN TIME 0:17:54
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7266 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MEDIAN DIAMETER: 0.73 μ m MASS DISTRIBUTION
 MODAL DIAMETER: 0.40 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	92.0	8.0
40.00	93.4	-1.4
30.00	94.9	-1.5
25.00	93.3	1.5
20.00	89.6	3.8
15.00	86.8	2.7
10.00	82.1	4.8
8.00	80.6	1.4
6.00	77.2	3.4
5.00	74.3	2.9
4.00	72.7	1.6
3.00	70.0	2.7
2.00	65.7	4.3
1.50	61.0	4.7
1.00	54.2	6.8
0.80	51.4	2.8
0.60	45.4	6.0
0.50	39.4	6.0
0.40	30.7	8.7

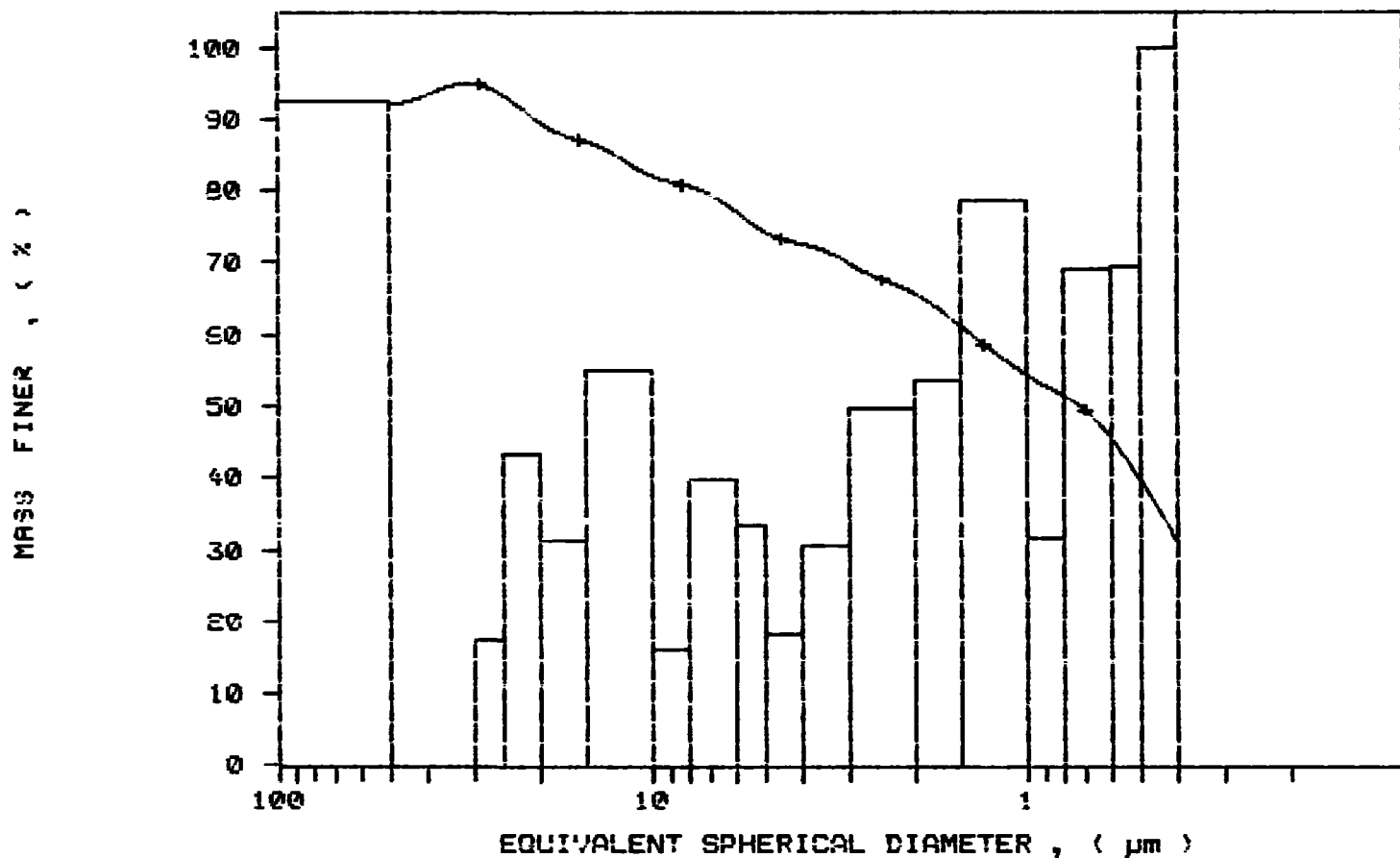
**MINERAL RESEARCH
CANADA**
 1 INDUSTRIAL DRIVE #22
 FERRY SOUND, ONTARIO
 CANADA P2A 2W8

FAX (705) 378-5123 BUS (705) 378-2416
 DATE *km*

SAMPLE DIRECTORY/NUMBER: DATA3 /57
 SAMPLE ID: Hole 89-36 14453
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 15:51:32 08/28/90
 REPT 14:27:08 08/22/91
 TOT RUN TIME 0:17:54
 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



Clay

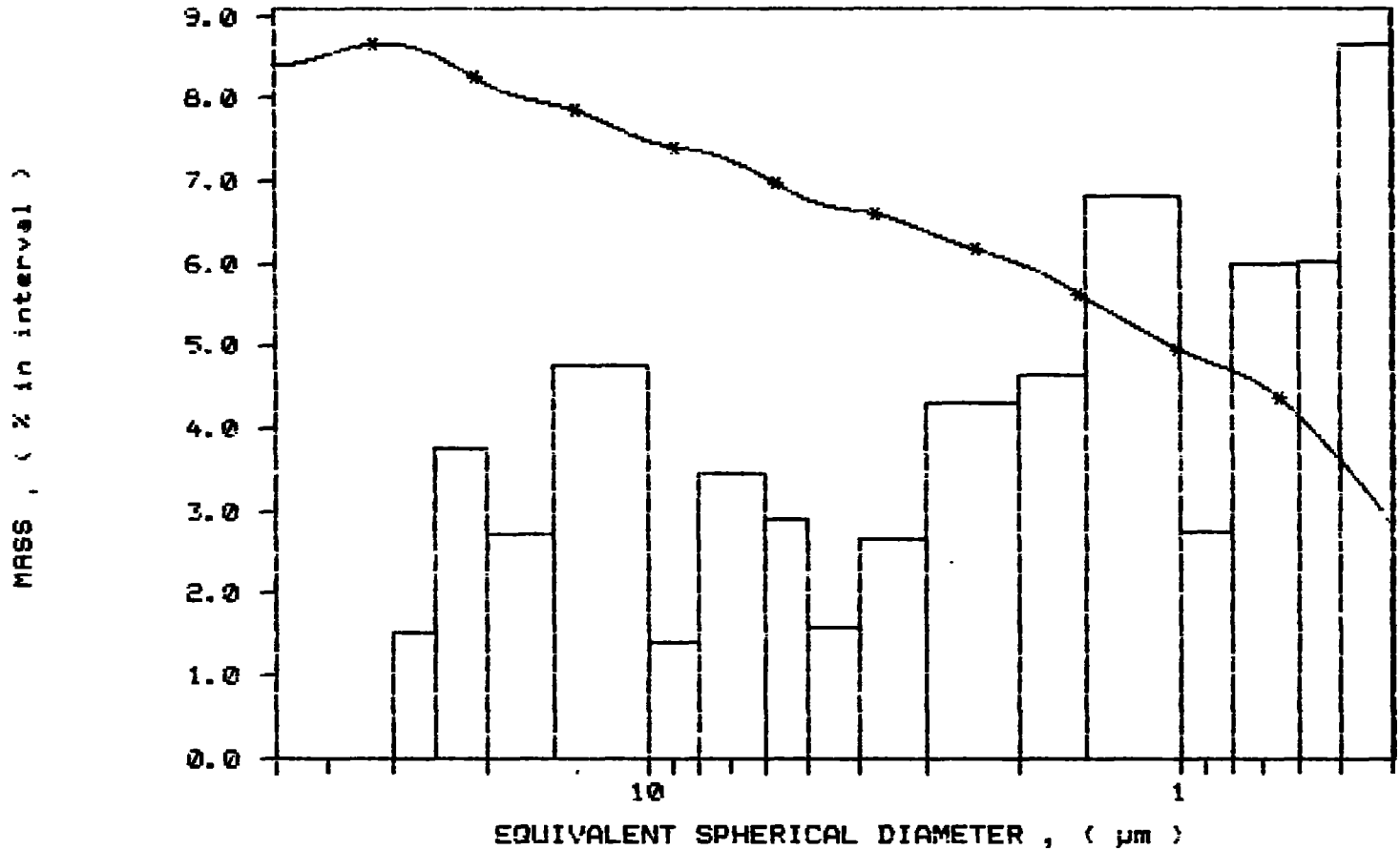
SediGraph 5100 V2.02

PAGE 3

SAMPLE DIRECTORY/NUMBER: DATAS /57
SAMPLE ID: Hole 89-36 14453
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 15:51:32 08/28/90
REPT 14:27:08 08/22/91
TOT RUN TIME 0:17:54
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



SediGraph 5100 V2.02

Clay

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /58
 SAMPLE ID: Hole 89-36 # 14454
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 08:38:25 08/29/96
 REPR1 14:35:25 08/22/91
 TOT RUN TIME 0:18:04
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7270 cP

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MEDIAN DIAMETER: 2.61 μ m MASS DISTRIBUTION

MODAL DIAMETER: 5.81 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	101.8	-1.8
40.00	99.7	2.1
30.00	98.2	1.5
25.00	96.9	1.3
20.00	94.5	2.5
15.00	89.3	5.2
10.00	81.6	7.7
8.00	77.4	4.2
6.00	70.2	7.2
5.00	65.2	5.0
4.00	59.5	5.7
3.00	53.0	6.5
2.00	43.5	9.5
1.50	39.0	4.5
1.00	33.1	5.9
0.80	28.5	4.6
0.60	22.8	5.7
0.50	19.1	3.7
0.40	13.7	5.3

**MINERAL RESEARCH
CANADA**

1 INDUSTRIAL BLVD. R22
BARRY SCOTT, ONTARIO
CANADA P2A 2W8

FAX (705) 578-5123 BUS (705) 578-2416

DATE _____ *[Signature]*

Clay

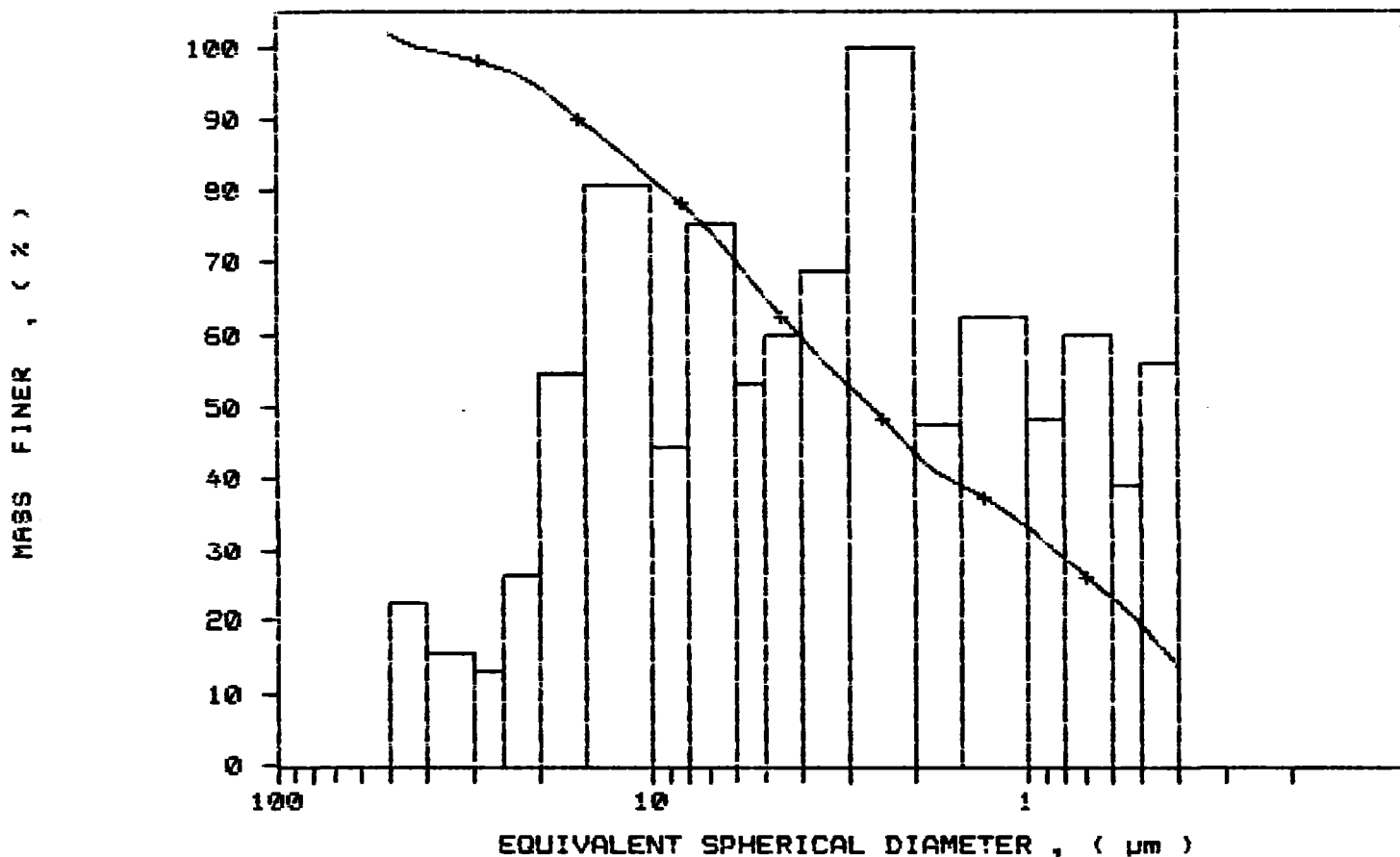
SediGraph 5100 V2.02

PAGE 2

SAMPLE DIRECTORY/NUMBER: DATA3 /58
SAMPLE ID: Hole 89-36 # 14454
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 08:38:25 08/29/90
REPT 14:35:25 08/22/91
TOT RUN TIME 0:18:04
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

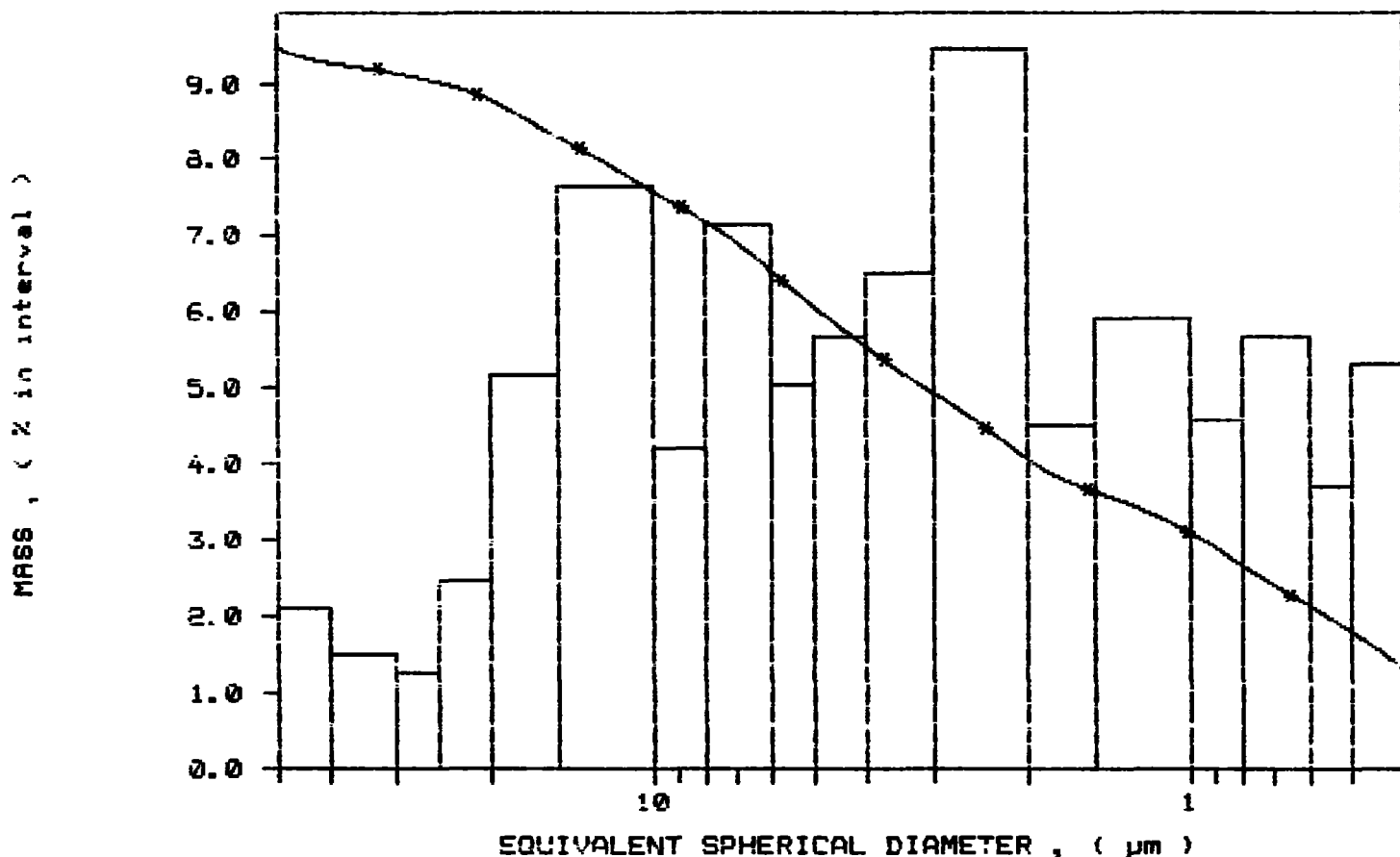
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /58
 SAMPLE ID: Hole 89-36 # 14454
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 08:38:25 08/29/90
 REPT 14:35:25 08/22/91
 TOT RUN TIME 0:18:04
 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 V2.02

Clay

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /59
 SAMPLE ID: Hole 89-36 # 14455
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 09:18:41 08/29/90
 REPRT 14:43:45 08/22/91
 TOT RUN TIME 0:18:10
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7268 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MEDIAN DIAMETER: 2.44 μ m MASS DISTRIBUTION
 MODAL DIAMETER: 2.73 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.1	1.9
40.00	97.6	0.5
30.00	95.8	1.7
25.00	94.7	1.1
20.00	93.2	1.5
15.00	89.9	3.4
10.00	83.0	6.8
8.00	79.2	3.8
6.00	72.7	6.4
5.00	68.4	4.4
4.00	62.9	5.5
3.00	55.7	7.2
2.00	45.3	10.4
1.50	40.2	5.1
1.00	31.9	8.3
0.80	27.6	4.3
0.60	21.6	5.9
0.50	18.5	3.1
0.40	15.9	2.7

**MINERAL RESEARCH
CANADA**

1 INDUSTRIAL DRIVE, ER2
FAIRFAX SQUARE OFFICE BLDG
CANADA P2A 2K6

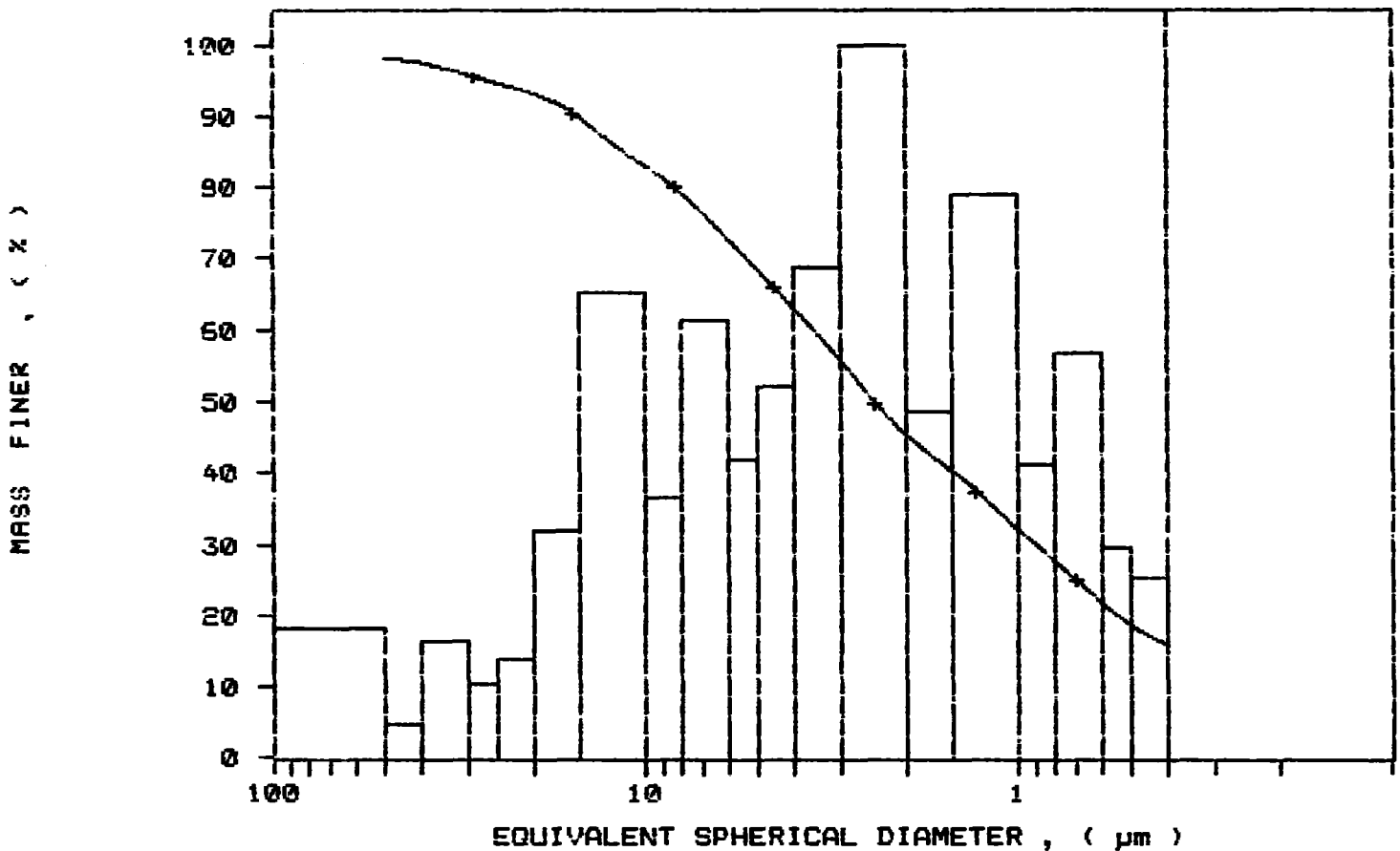
FAX (705) 378-5123 BUS (705) 378-2416

DATE *KM*

SAMPLE DIRECTORY/NUMBER: DATAS /59
SAMPLE ID: Hole 89-36 # 14455
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 09:18:41 08/29/90
REPT 14:43:45 08/22/91
TOT RUN TIME 0:18:10
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

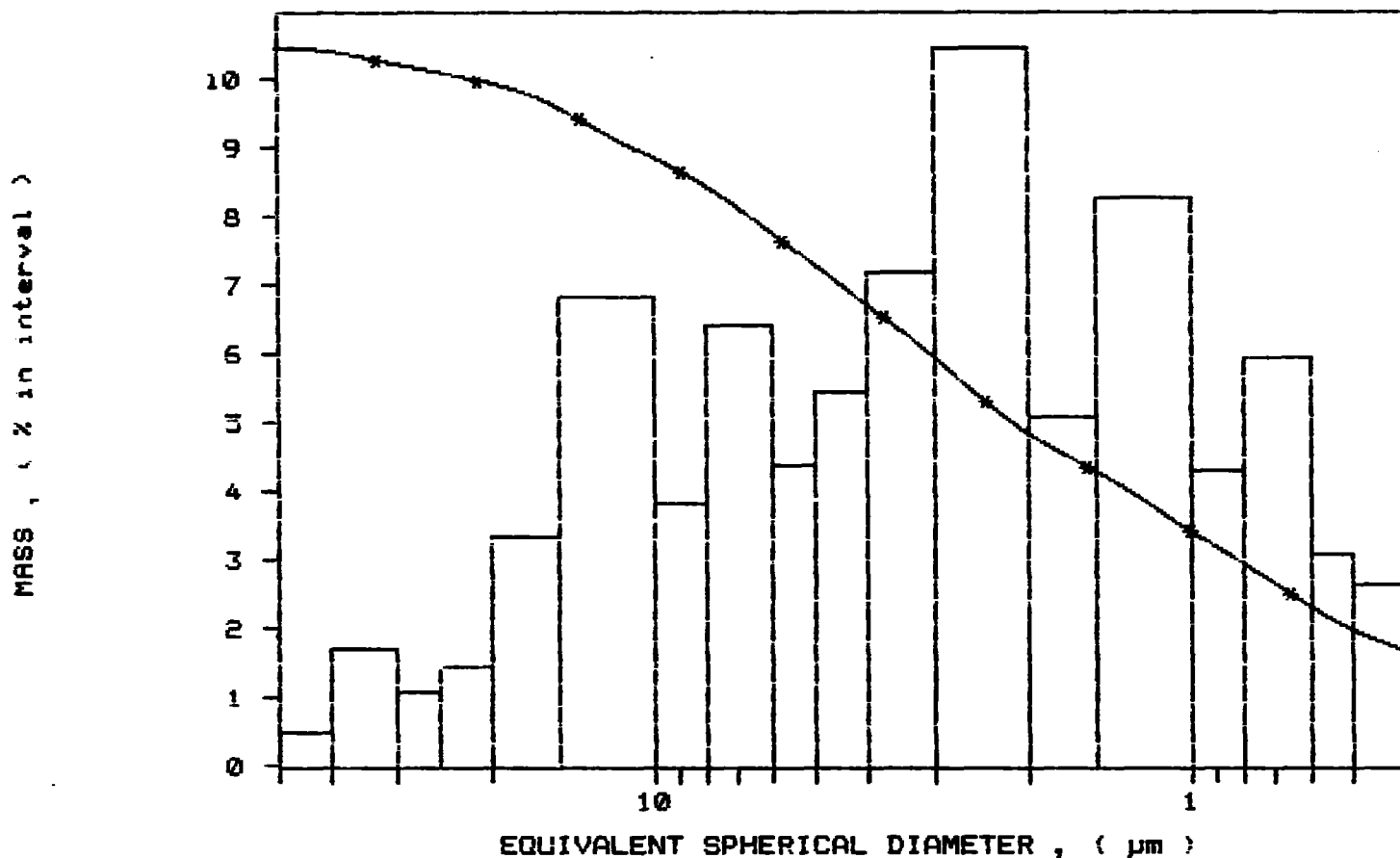
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATAS /59
SAMPLE ID: Hole 89-36 # 14455
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 09:18:41 08/29/90
REPR1 14:43:45 08/22/91
TOT RUN TIME 0:18:10
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 V2.02

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /60
 SAMPLE ID: Hole 89-36 # 14456
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 11:02:54 08/29/90
 REPR 14:52:04 08/22/91
 TOT RUN TIME 0:18:04
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7265 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.47 μ m

MODAL DIAMETER: 4.02 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.2	1.8
40.00	97.9	0.3
30.00	98.0	-0.1
25.00	97.2	0.7
20.00	94.5	2.8
15.00	91.0	3.4
10.00	84.4	6.6
8.00	80.0	4.4
6.00	73.6	6.4
5.00	69.2	4.4
4.00	63.0	6.2
3.00	55.1	7.9
2.00	44.5	10.5
1.50	38.7	5.8
1.00	28.7	10.0
0.80	24.3	4.5
0.60	18.5	5.8
0.50	14.7	3.8
0.40	11.5	3.2



Clay

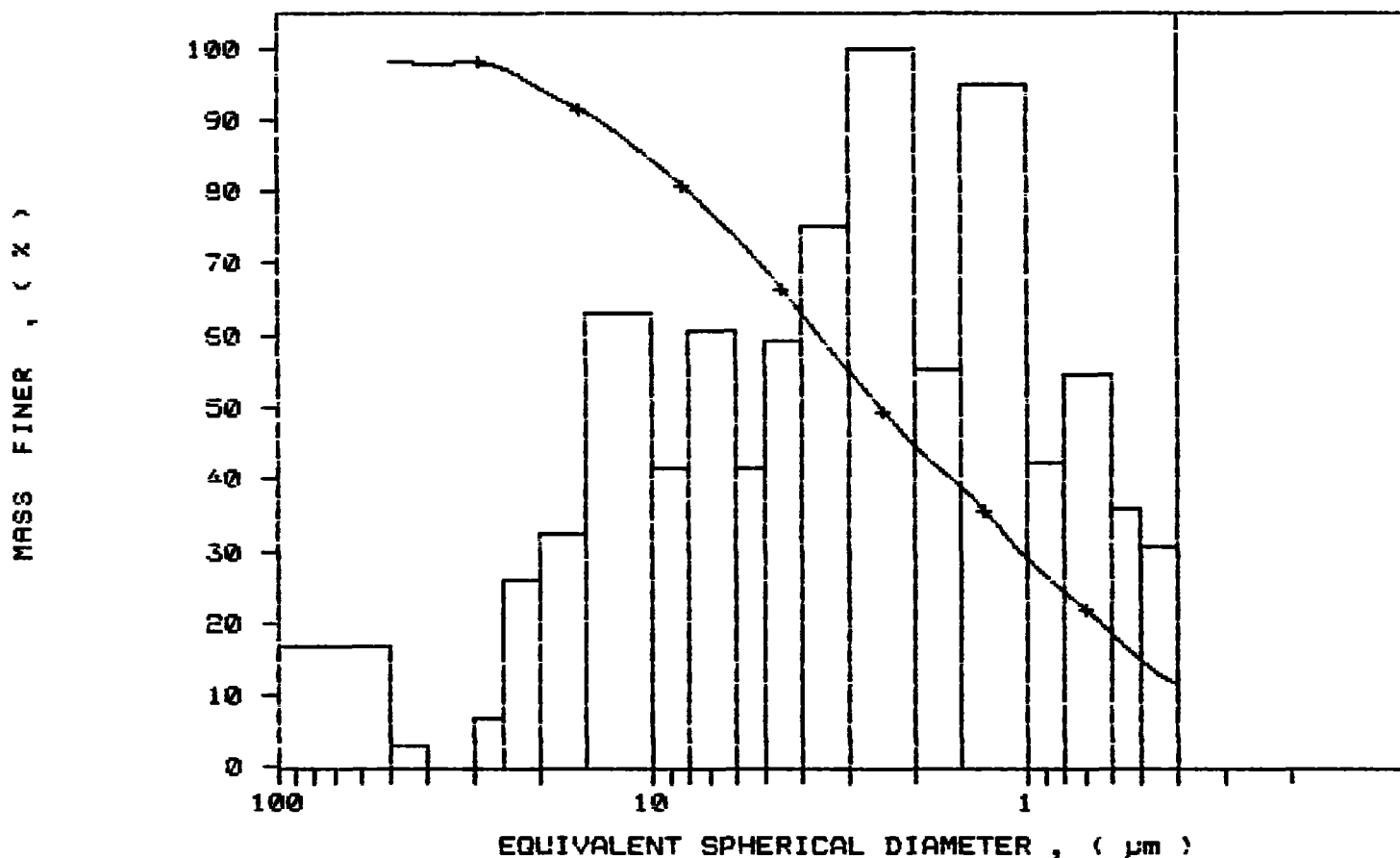
Sedigraph 5100 V2.02

PAGE 2

SAMPLE DIRECTORY/NUMBER: DATA3 /60
SAMPLE ID: Hole 89-36 # 14456
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 11:02:54 08/29/90
REPT 14:52:04 08/22/91
TOT RUN TIME 0:18:04
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

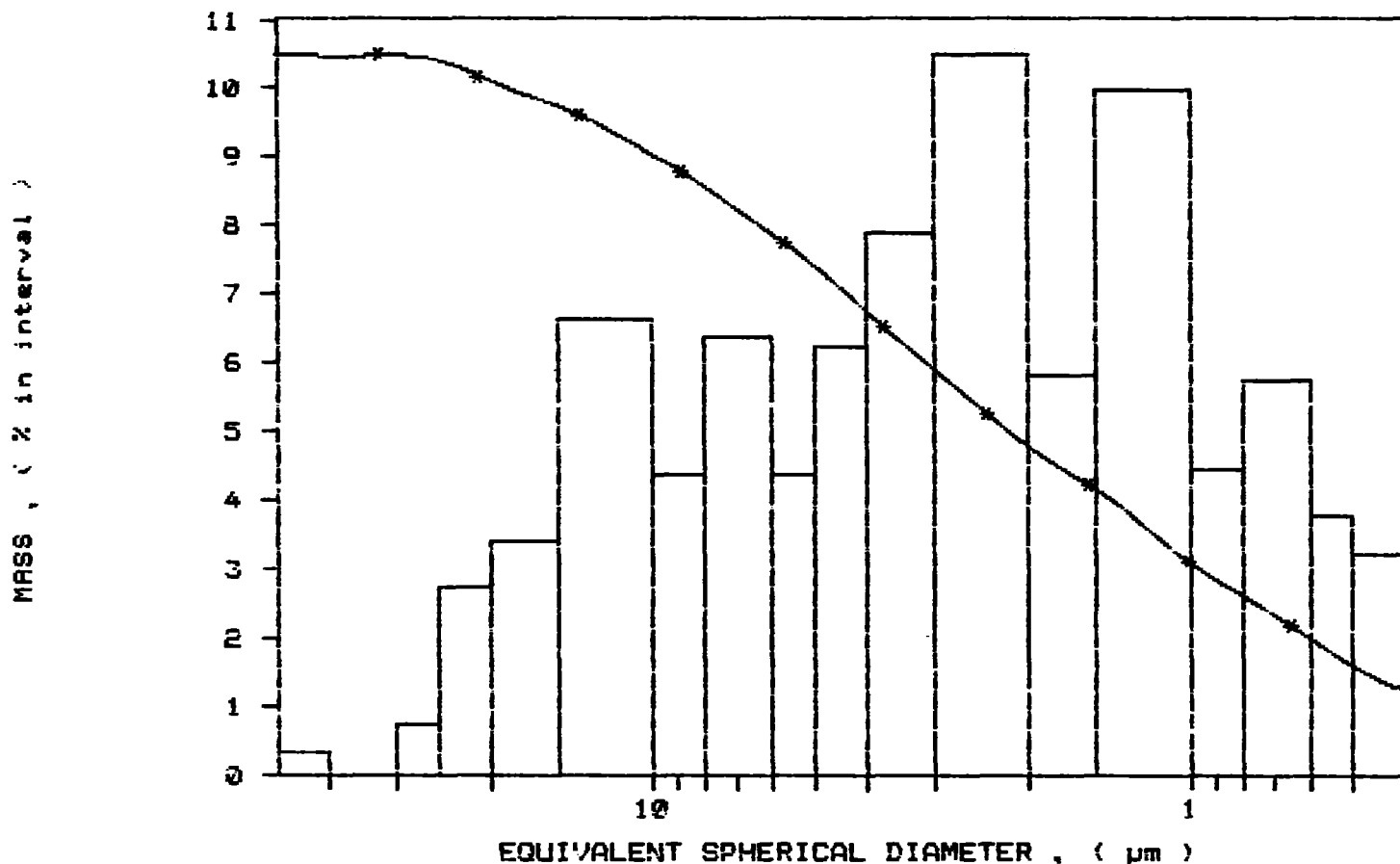
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /60
SAMPLE ID: Hole 89-36 # 14456
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 11:02:54 08/29/90
REPRT 14:52:04 08/22/91
TOT RUN TIME 0:18:04
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



SediGraph 5100 V2.02

Clay

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /70
 SAMPLE ID: Hole 89 -36 14457
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 09:15:13 08/30/90
 REPRT 15:00:23 08/22/91
 TOT RUN TIME 0:18:02
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7272 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MEDIAN DIAMETER: 5.51 μ m MASS DISTRIBUTION
 MODAL DIAMETER: 14.15 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.7	1.3
40.00	96.3	2.4
30.00	90.1	6.2
25.00	85.7	4.4
20.00	80.5	5.2
15.00	73.6	6.9
10.00	63.9	9.7
8.00	58.9	5.0
6.00	51.9	7.0
5.00	47.7	4.2
4.00	42.6	5.1
3.00	36.4	6.2
2.00	28.8	7.6
1.50	24.3	4.5
1.00	18.9	5.4
0.80	16.3	2.6
0.60	12.0	4.3
0.50	9.3	2.7
0.40	6.7	2.6

MINERAL RESEARCH
 CANADA
 1 INDUS CIRCLE, BOX 523
 BARRY'S SOUND, ONTARIO
 CANADA L2A 3W9

FAX (705) 376-5123 BUS (705) 376-2416
 DATE *11/17*

Clay

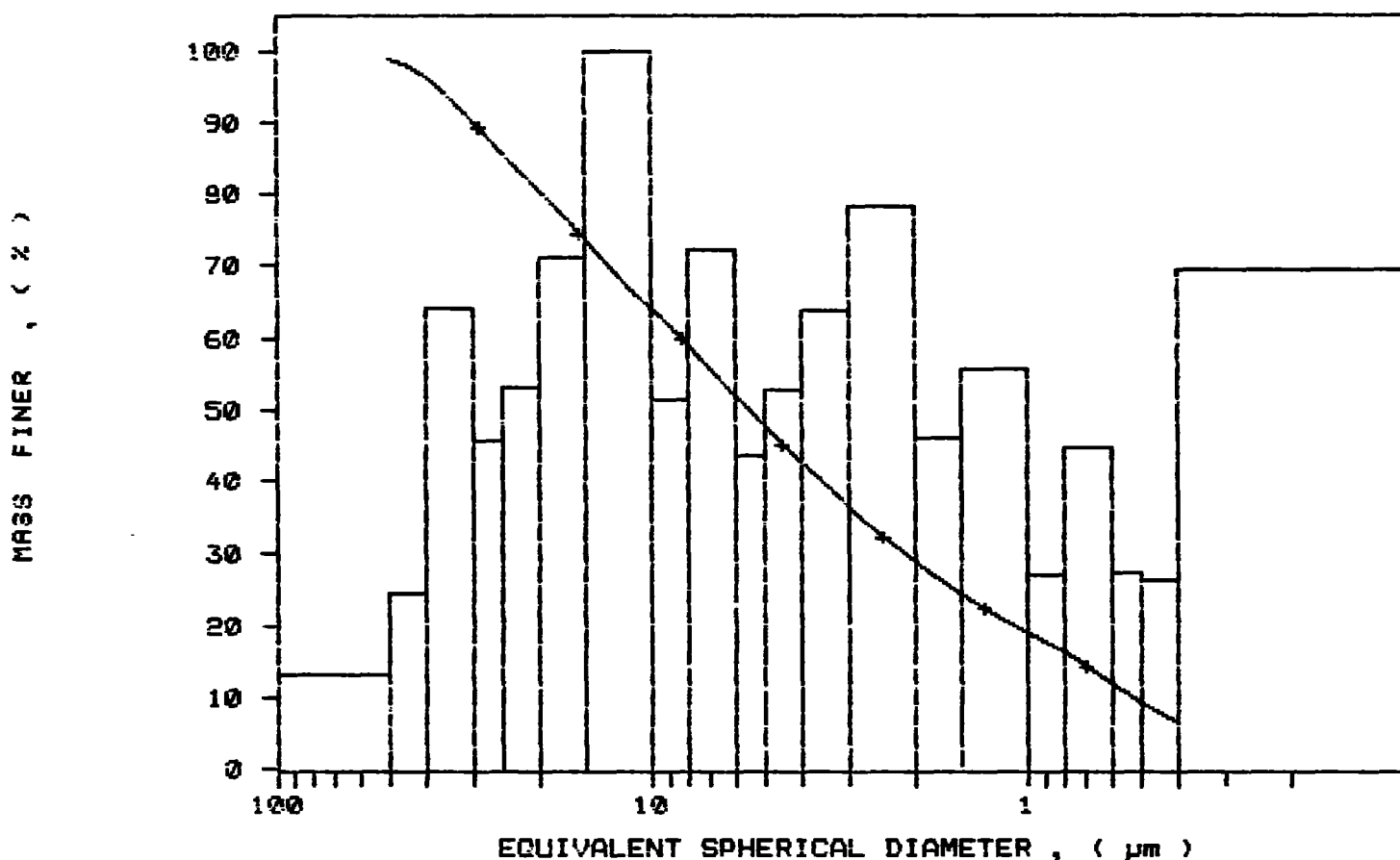
SediGraph 5100 V2.02

PAGE 2

SAMPLE DIRECTORY/NUMBER: DATAS /70
SAMPLE ID: Hole 89 -36 14457
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 09:15:13 08/30/90
REPRT 15:00:23 08/22/91
TOT RUN TIME 0:18:02
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7272 cp

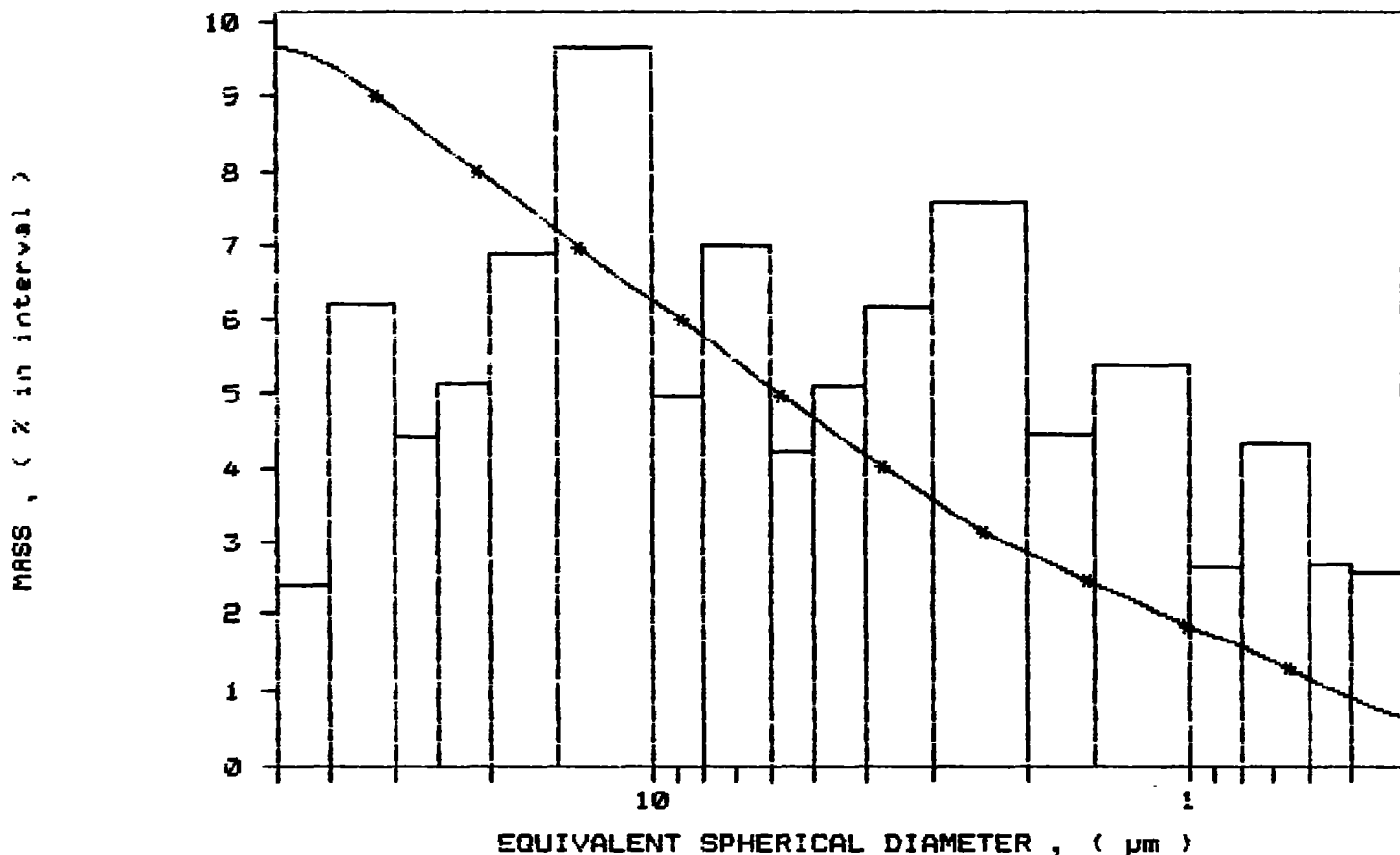
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA3 /70
SAMPLE ID: Hole 89 -36 14457
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 09:15:13 08/30/90
REPT 15:00:23 08/22/91
TOT RUN TIME 0:18:02
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 V2.02

Clay

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /71
 SAMPLE ID: Hole 89-36 # 14458
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 10:04:56 08/30/90
 REPT 15:08:42 08/22/90
 TOT RUN TIME 0:18:00
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7266 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MEDIAN DIAMETER: 3.48 μ m MASS DISTRIBUTION

MODAL DIAMETER: 4.52 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.4	1.6
40.00	96.6	1.8
30.00	92.3	4.3
25.00	88.9	3.4
20.00	84.8	4.1
15.00	78.9	5.9
10.00	71.2	7.7
8.00	67.1	4.0
6.00	62.2	4.9
5.00	58.4	3.8
4.00	52.8	5.6
3.00	47.9	4.9
2.00	40.4	7.4
1.50	36.0	4.5
1.00	29.7	6.2
0.80	26.2	3.5
0.60	20.5	5.7
0.50	16.8	3.6
0.40	13.8	3.1

**MINERAL RESEARCH
CANADA**

1 INDUSTRIAL BLVD #102
BARRY SOUND, ONTARIO
CANADA P2A 1K3

FAX (705) 378-5123 BUS (705) 378-2416

DATE: _____ *RM*

Clay

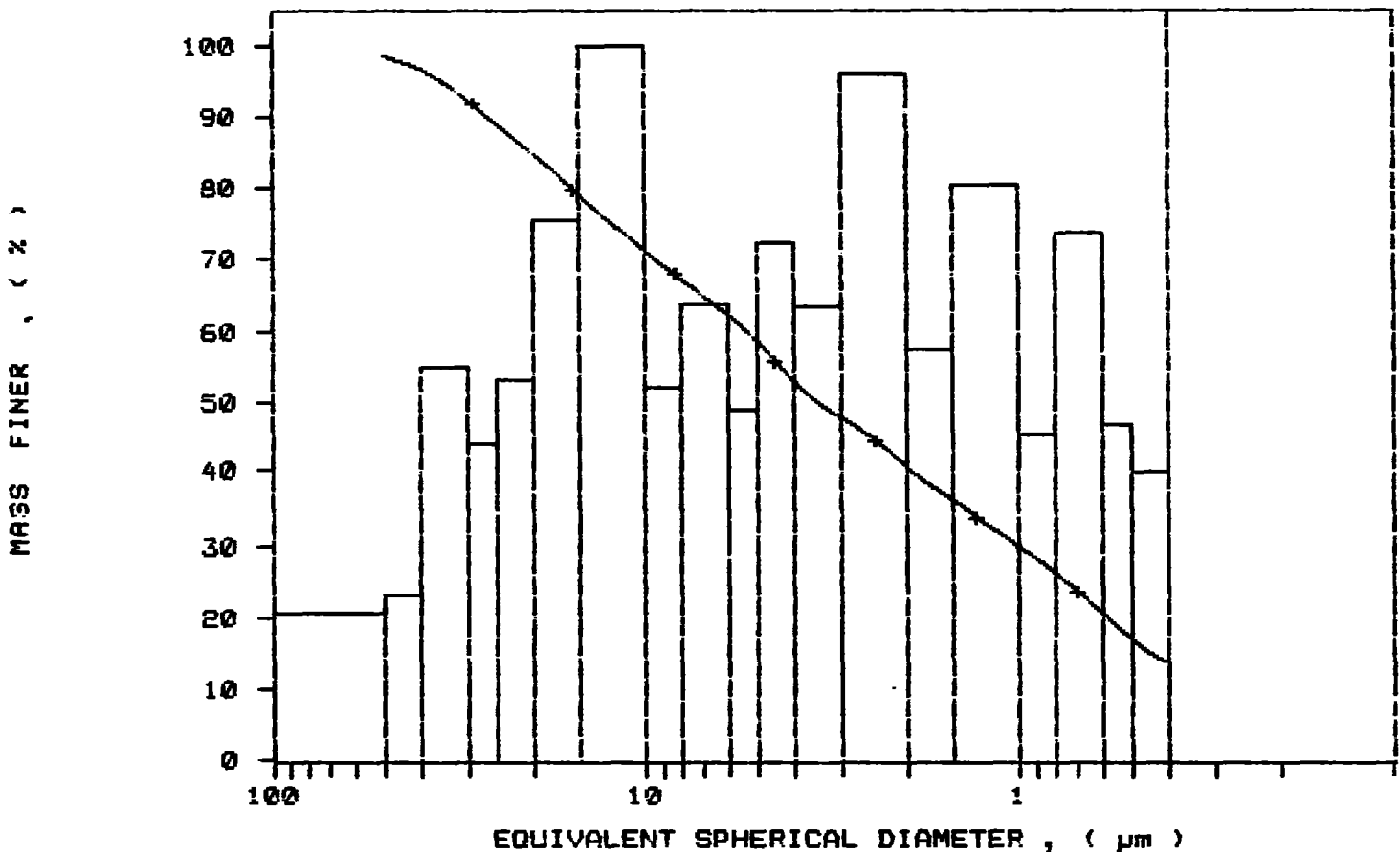
Sed1Graph 5100 V2.02

PAGE 2

SAMPLE DIRECTORY/NUMBER: DATA3 /71
SAMPLE ID: Hole 89-36 # 14458
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 10:04:56 08/30/90
REPRI 15:08:42 08/22/91
TOT RUN TIME 0:18:00
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



Clay

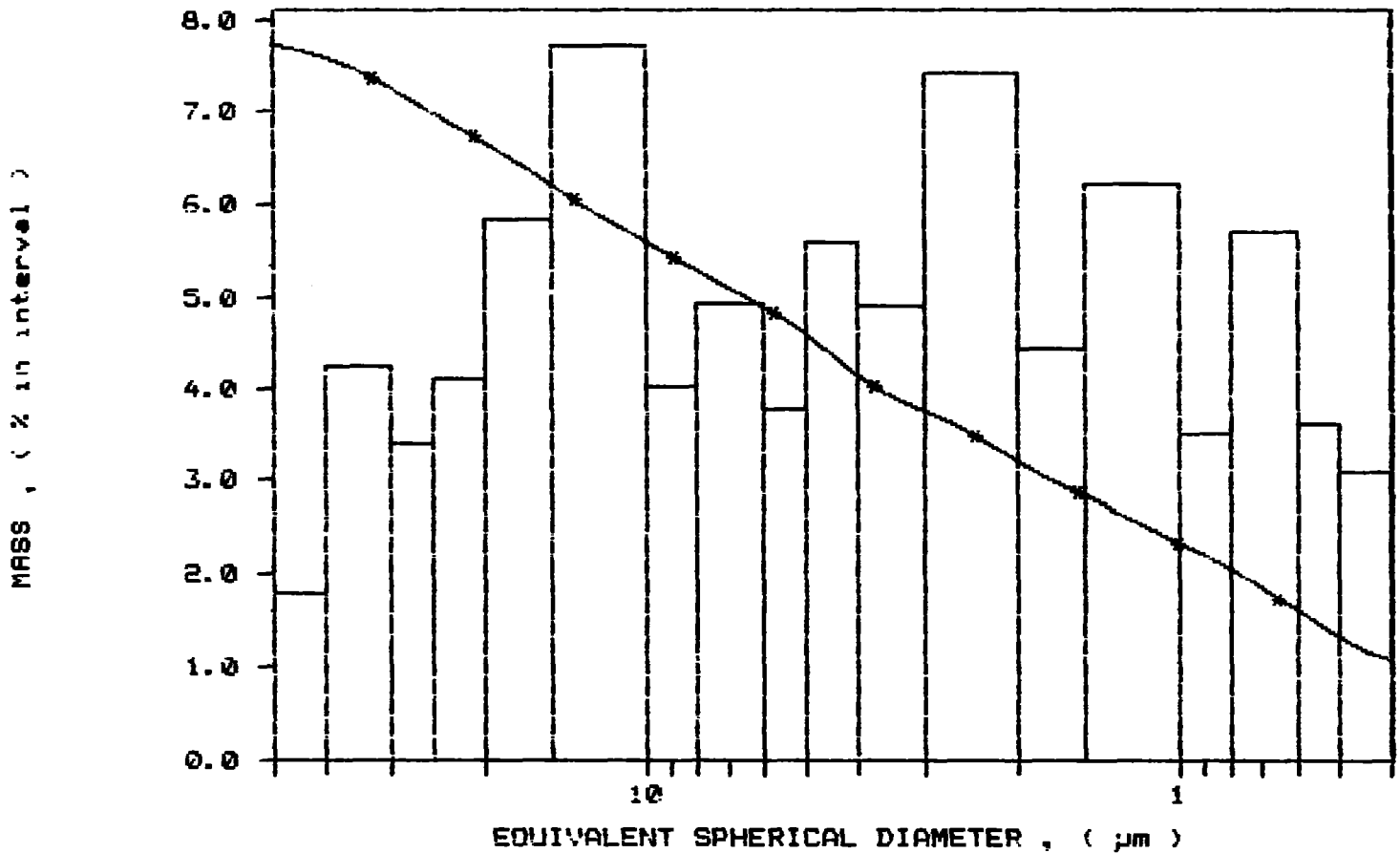
SediGraph 5100 V2.02

PAGE 3

SAMPLE DIRECTORY/NUMBER: DATA3 /71
SAMPLE ID: Hole 89-36 # 14452
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 10:04:56 08/30/90
REPT 15:08:42 08/22/91
TOT RUN TIME 0:18:00
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



SediGraph 5100 V2.02

Clay

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA3 /72
 SAMPLE ID: Hole 89-36 # 14459
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
 START 08:45:13 08/31/90
 REPT 15:17:03 08/22/91
 TOT RUN TIME 0:17:57
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7271 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MEDIAN DIAMETER: 2.69 μ m MASS DISTRIBUTION MODAL DIAMETER: 3.65 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.9	-0.9
40.00	98.2	2.8
30.00	94.6	3.6
25.00	91.7	2.9
20.00	88.5	3.2
15.00	84.2	4.3
10.00	77.5	6.8
8.00	73.9	3.6
6.00	68.3	5.6
5.00	64.8	3.5
4.00	59.6	5.2
3.00	52.4	7.3
2.00	43.4	9.0
1.50	36.9	6.4
1.00	28.5	8.4
0.80	24.1	4.5
0.60	18.2	5.8
0.50	15.6	2.3
0.40	11.1	3.8

**MINERAL RESEARCH
CANADA**

1 INDUSTRIAL BLVD. RR2
BARRY SOUND, ONTARIO
CANADA P2A 2W3

FAX (705) 378-5123 BUS (705) 378-2416

DATE _____ *KM*

Clay

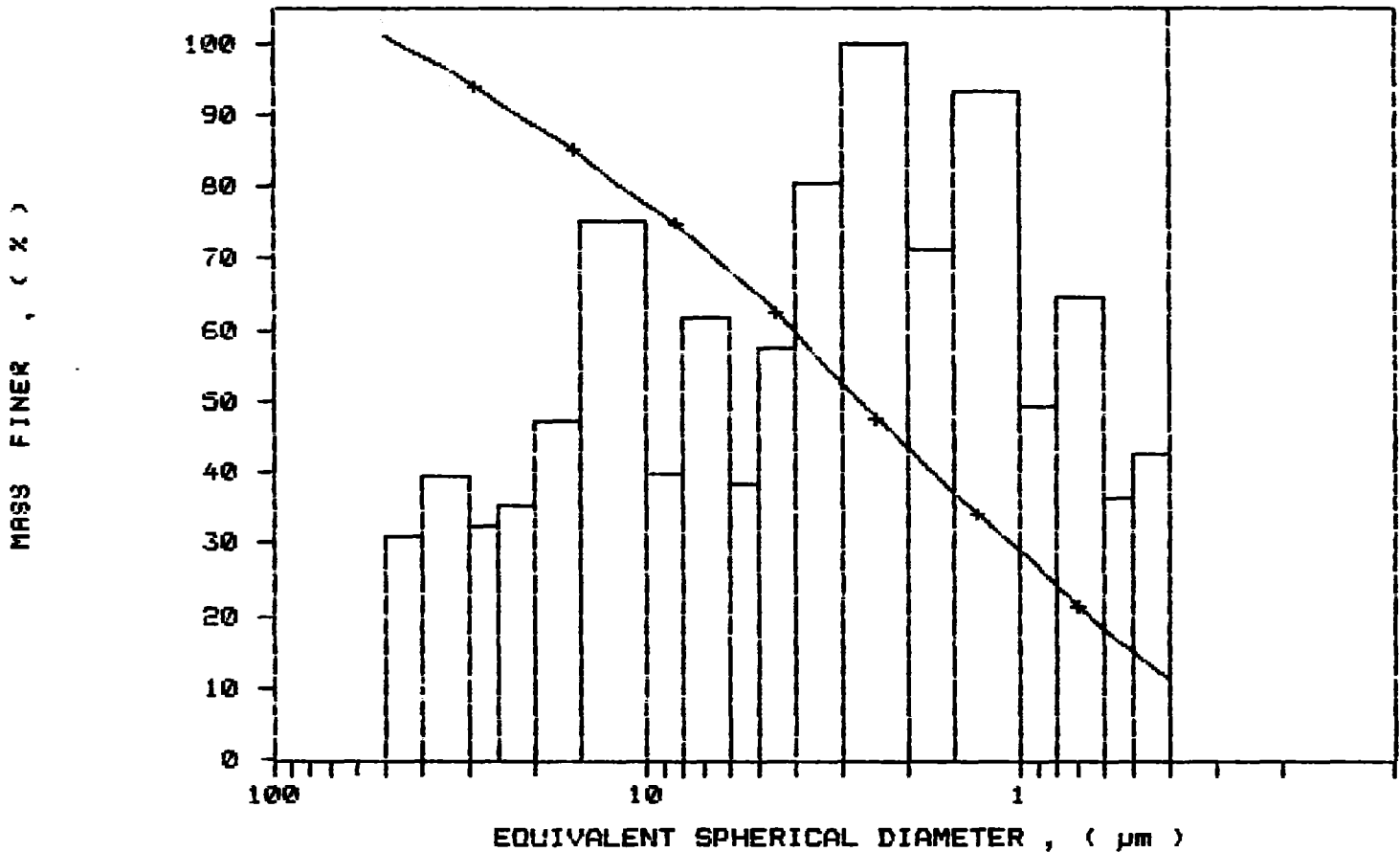
SediGraph 5100 V2.02

PAGE 2

SAMPLE DIRECTORY/NUMBER: DATA3 /72
SAMPLE ID: Hole 89-36 # 14459
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 08:45:13 08/31/90
REPRT 15:17:03 08/22/91
TOT RUN TIME 0:17:57
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



Clay

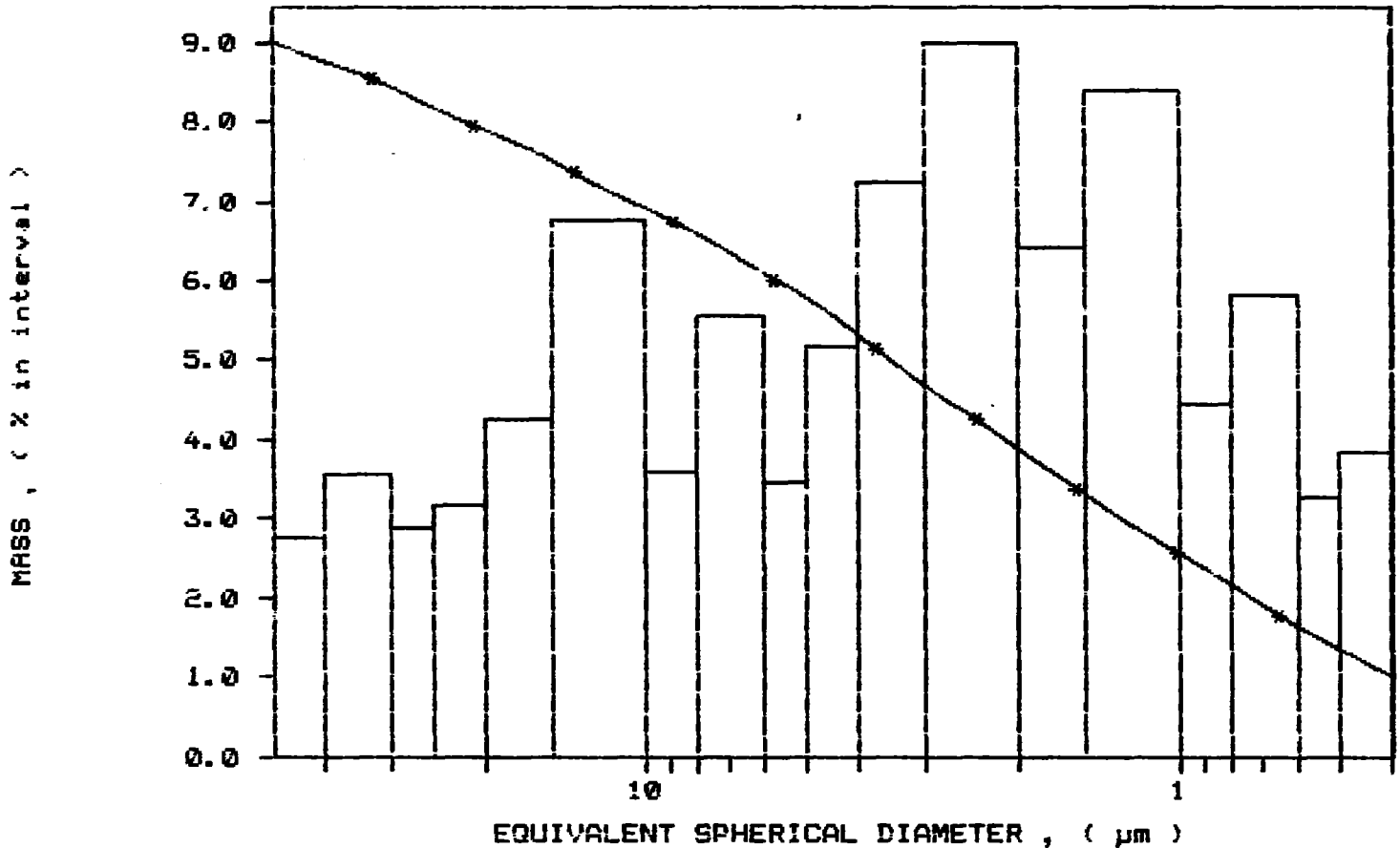
SediGraph 5100 V2.02

PAGE 3

SAMPLE DIRECTORY/NUMBER: DATA3 /72
SAMPLE ID: Hole 89-36 # 14459
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C RUN TYPE: Standard

UNIT NUMBER: 1
START 08:45:13 08/31/90
REPR1 15:17:03 08/22/91
TOT RUN TIME 0:17:57
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



ROTARY DRILL HOLE RECORD

Drilling Started: Jan. 17, 1989
Drilling Finished: Jan. 18, 1989
Length: 250.0'
Overburden Depth: 95.0'
Claim No. 970179
Northing: 805N
Easting: 8595E
Core Size: 3.5"
Dip: -90
Hole No. 89-8

Logged By: A. Casselman
Logged: Jan. 18, 1991
Drilling Co. Midwest
Core Storage:
Mineral Research Canada Inc
1 Industrial Blvd.
R. R. # 2
Parry Sound, On
P2A 2W8

Summary

From	To	Description	
0.0'	95.0'	Overburden - Glacial Till	Pleistocene
95.0'	116.5'	Kaolin Silica Sand (Kss)	Cretaceous
116.5'	136.0'	Clay	
136.0'	187.0	Kss	
187.0'	193.0'	Sandy Clay and Clay - interbedded	
193.0'	205.0'	Kss & Sandy Clay - interbedded	
205.0'	208.0'	Sandy Clay	
208.0'	226.0'	Clay	
226.0'	235.0'	Sandy Clay	
235.0'	250.0'	Kss	

EDH - 250.0'

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

Detailed Log 89-9

From	To	Sample No.	Description
0.0'	95.0'		Glacial Clay Till
95.0'	99.0'	851	Kss - medium grain, medium brown, entire hole dried.
99.0'	103.0'	852	Kss - medium grain, light brown.
103.0'	107.0'	853	Kss - as above.
107.0'	116.5'	854	Kss - as above, rare coarser clasts, medium brown.
116.5'	117.5'	855	Clay - silty in some portions, competent, disc-like, chocolate brown, carbonaceous, minor illite (relatively high), exterior crystal growth.
117.5'	120.0'	856	Clay - as above.
120.0'	123.5'	857	Clay - as above.
123.5'	126.0'	858	Clay - silty, competent, semi-pliable, chocolate brown, carbonaceous, minor illite, moist, no core expansion.
126.0'	128.0'	859	Clay - 126.0' - 127.0' - chocolate brown, moist, carbonaceous, 127.0' - 128.0', buff, darkening downsection, carbonaceous, illitic, exterior crystal growth, sulphureous smell.
128.0'	132.0'	860	Clay - as directly above, buff.
132.0'	136.0'	861	Clay - silty portions, competent, disc-like, medium brown, carbonaceous, illitic.
136.0'	142.0'	862	Kss - medium grain, medium brown, hematite staining due to drilling debris.
142.0'	148.0'	863	Kss - coarse grain, clay clots, medium brown, both - clots up to 1.0".
148.0'	153.0'	864	Kss - as above.

153.0'	158.0'	865	Kss - fine grain, to chocolate sandy clay, carbonaceous, fissile, illitic.
158.0'	163.0'	866	Kss - medium grain, medium brown.
163.0'	170.0'	867	Kss - as above, sulphureous smell.
170.0'	175.0'	868	Kss - coarse grain, medium brown, <u>in situ</u> sulphide formation, striated pyrites bonding silica clasts, sulphureous smell, 2.0" at 172.0' - also exterior crystal growth.
175.0'	178.0'	869	Kss - coarse grain, chocolate brown, to light brown, to black with yellow exterior coating and yellow staining - hematitic due to drilling debris, exterior crystal growth and sulphureous smell.
178.0'	181.0'	870	Kss - coarse grain, chocolate brown, 180.0' - 180.75' - chocolate brown, silty clay seam, illitic, exterior crystal growth, as above, and sulphureous smell.
181.0'	183.25'	871	Kss - coarse grain, in a medium grain, matrix, chocolate brown, large pieces of lignitic material, exterior crystal growth.
183.25'	187.0'	872	Kss - as above.
187.0'	193.0'	873	Sandy Clay & Clay - interbedded, competent, fissile, medium brown, flowage from bag.
193.0'	196.0'	874	Kss & Sandy Clay - interbedded, competent, fissile, medium grain, hematite staining, yellow section, generally chocolate brown, carbonaceous, creating black laminations, illite in minor amounts, exterior crystal growth, sulphureous smell.
196.0'	199.0'	875	Kss & Sandy Clay - as above.
199.0'	202.0'	876	Kss & Sandy Clay - as above, moist, exterior crystal growth.
202.0'	205.0'	877	Kss & Sandy Clay - as above, dried.

205.0'	208.0'	878	Sandy Clay - as above grading to clay, competent, disc-like, chocolate brown, carbonaceous.
208.0'	211.0'	879	Clay - competent, fissile, medium brown, carbonaceous.
211.0'	215.0'	880	Clay - as above.
215.0'	220.0'	881	Clay - silty in areas, competent, disc-like, medium brown, carbonaceous, minor illite.
220.0'	226.0'	882	Clay - as above, yellow, hematitic staining on exterior at 225.0' - 225.25'.
226.0'	231.0'	883	Clay - as above, with exterior hematite staining, exterior crystal growth.
231.0'	235.0'	884	Sandy Clay - competent, fissile, fine grain, grading to medium grain, medium brown, carbonaceous, minor illite.
235.0'	239.0'	885	Kss - fine grain, medium brown, carbonaceous, minor illite.
239.0'	243.0'	886	Kss - as above, containing large lignitic fragments, exterior crystal growth, acicular needles - clear, sulphureous smell.
243.0'	247.0'	887	Kss - fine grain, to medium grain, coarsening downsection, medium brown, carbonaceous material - large lignitic fragments and rare larger clasts sub-rounded smoky quartz.
247.0'	250.0'	888	Kss - medium brown, one light brown clay clot, finer grain, carbonaceous illitic as above.

EOH - 250.0'

Section - 89-8

Length: 250.0'

Claim No.: 970179

Overburden Depth: 95.0'

Dip Collar: -90

Northing: 805N

Easting: 8595E

Scale: 1.0" = 50.0'

89-36

1488
1489
1490
1491
1492
1493
1494
1495

**MINERAL RESEARCH
CANADA**
1 INDUSTRIAL BLVD. BRZ
BARRIE, ONTARIO
CANADA L4R 2V8

FAX (705) 378-2416 TOLL FREE (705) 378-2416

DATE: *[Signature]*

MINERAL RESEARCH CANADA

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

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

898

ANALYSIS REPORT

SAMPLE #	SCREEN	%	MOISTURE %	pH (20% SOLIDS)
----------	--------	---	------------	-----------------

851

+ 4	9.2	
+ 40	61.7	6.5
+100	15.5	
+200	2.1	
+325	1.5	
-325	10.0	

852

+ 4	4.3	
+ 40	70.6	5.25
+100	11.0	
+200	3.7	
+325	1.8	
-325	8.6	

853

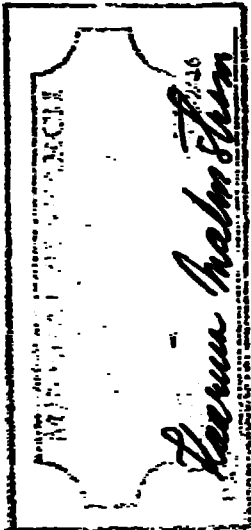
+ 4	2.5	
+ 40	58.8	9.1
+100	25.9	
+200	2.5	
+325	1.3	
-325	9.0	

854

+ 4	0.5	
+ 40	69.6	7.35
+100	13.8	
+200	2.2	
+325	1.7	
-325	11.9	

855

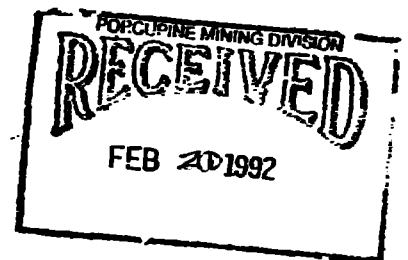
+ 4	1.0	
+ 40	12.9	17.9
+100	4.3	
+200	3.6	
+325	3.9	
-325	74.3	



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MINING LANDS BRANCH



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)

856 + 4 0
+ 40 0
+100 0.4
+200 13.9
+325 32.1
-325 53.6 13.0

857 + 4 0
+ 40 0.4
+100 4.9
+200 8.6
+325 1.0
-325 85.1 18.8

858 + 4 0
+ 40 8.0
+100 3.8
+200 5.0
+325 7.3
-325 65.9 16.7

859 + 4 2.5
+ 40 75.3
+100 8.1
+200 3.7
+325 1.6
-325 10.8 10.6

860 + 4 0
+ 40 1.0
+100 7.1
+200 16.4
+325 10.2
-325 65.3 15.6

MINERAL RESEARCH CANADA 1 INDUSTRIAL BLVD. RR2 PARRY SOUND, ON. CANADA P2A 2W8	
FAX (705) 378-5123	TEL (705) 378-2416
DATE	<i>Jan</i>

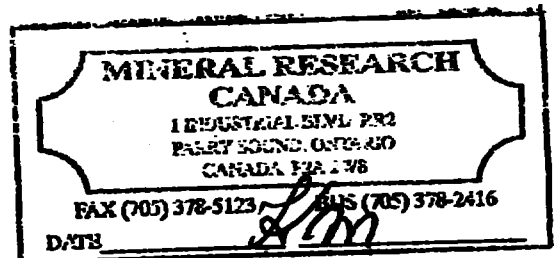
MINERAL RESEARCH CANADA

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)
861	+ 4	0.2	21.1	7.1
	+ 40	6.7		
	+100	7.2		
	+200	11.1		
	+325	10.5		
	-325	64.3		
862	+ 4	0.7	10.3	7.1
	+ 40	45.1		
	+100	36.3		
	+200	4.1		
	+325	1.2		
	-325	12.6		
863	+ 4	5.3	7.1	7.1
	+ 40	74.8		
	+100	10.7		
	+200	1.9		
	+325	0.1		
	-325	7.3		
864	+ 4	1.9	3.9	5.7
	+ 40	74.1		
	+100	9.5		
	+200	2.8		
	+325	0.3		
	-325	11.5		
865	+ 4	0.2	14.8	14.8
	+ 40	16.9		
	+100	48.7		
	+200	7.1		
	+325	2.8		
	-325	24.4		



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)
866	+ 4	1.7	20.5	
	+ 40	23.2		
	+100	41.9		
	+200	6.5		
	+325	3.8		
	-325	23.0		
867	+ 4	0.3	16.0	
	+ 40	1.6		
	+100	70.9		
	+200	6.1		
	+325	3.6		
	-325	17.6		
868	+ 4	1.5	6.85	
	+ 40	46.2		
	+100	37.3		
	+200	4.7		
	+325	1.3		
	-325	8.8		
869	+ 4	0	13.45	
	+ 40	37.9		
	+100	43.0		
	+200	5.5		
	+325	2.4		
	-325	11.3		
870	+ 4	4.3	10.9	
	+ 40	47.9		
	+100	36.5		
	+200	1.7		
	+325	0.9		
	-325	8.7		

MINERAL RESEARCH CANADA	
1 INDUSTRIAL BLVD. RR2 PARRY SOUND, ONTARIO CANADA P2A 2W8	
FAX (705) 378-5123	TEL (705) 378-2416
DATE	<i>Jim</i>

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)

871 + 4 2.8
+ 40 35.2 14.3
+100 27.2
+200 3.7
+325 2.1
-325 29.0

872 + 4 0
+ 40 0
+100 22.8 15.5
+200 7.7
+325 7.3
-325 50.2

873 + 4 0
+ 40 0.5
+100 13.7 11.0
+200 20.8
+325 6.0
-325 57.0

874 + 4 0
+ 40 0.3
+100 21.6 13.65
+200 25.2
+325 7.8
-325 45.1

875 + 4 0
+ 40 2.0
+100 2.2 1.5
+200 9.8
+325 3.7
-325 82.3

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

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)

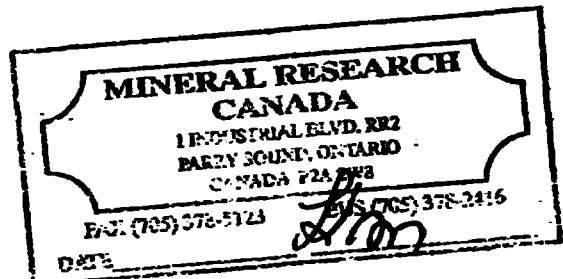
876 + 4 0
+ 40 1.0 4.0
+100 3.5
+200 7.0
+325 18.6
-325 69.9

877 + 4 0
+ 40 1.0 4.5
+100 1.3
+200 5.6
+325 12.7
-325 79.4

878 + 4 0.2
+ 40 6.7 21.1
+100 7.2
+200 11.1
+325 16.5
-325 64.3

879 + 4 0
+ 40 6.7 14.8
+100 9.9
+200 14.0
+325 6.8
-325 74.6

880 + 4 0
+ 40 4.3 47.7
+100 5.7
+200 6.4
+325 5.8
-325 67.8



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)

881 + 4 0
 + 40 0.3 28.1
 +100 0.5
 +200 23.0
 +325 12.1
 -325 58.1

882 + 4 0
 + 40 0
 +100 0.7 15.7
 +200 2.7
 +325 7.1
 -325 89.5

883 + 4 0
 + 40 0
 +100 0.2 10.5
 +200 10.8
 +325 17.9
 -325 71.1

884 + 4 20.5
 + 40 53.0
 +100 9.8 5.9
 +200 2.5
 +325 1.1
 -325 13.1

885 + 4 13.7
 + 40 62.2
 +100 9.6 6.95
 +200 2.4
 +325 2.7
 -325 9.2

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

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)
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886

+ 4 10.4
 + 40 59.3
 +100 10.7
 +200 3.6
 +325 2.4
 -325 13.6

4.95

887

+ 4 4.7
 + 40 74.8
 +100 11.9
 +200 1.0
 +325 1.1
 -325 6.5

6.8

F8H

+ 4
 + 40
 +100
 +200
 +325
 -325

+ 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 TEL (705) 378-2416

DATE: Jm

Hole 89-8 # 851

SediGraph 5100 V2.03

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATAS /344
 SAMPLE ID: Hole 89-8 # 851
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 12:20:35 08/26/91
 REPRT 12:41:27 08/26/91
 TOT RUN TIME 0:07:22
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7270 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.34 μ m

MODAL DIAMETER: 1.16 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	104.7	-4.7
40.00	104.4	0.3
30.00	103.2	1.2
25.00	102.1	1.1
20.00	101.8	0.3
15.00	101.0	0.8
10.00	99.7	1.4
8.00	99.0	0.7
6.00	98.1	0.9
5.00	96.9	1.2
4.00	94.8	2.1
3.00	94.0	0.7
2.00	85.9	8.2
1.50	65.0	20.8
1.00	0.7	64.4
0.80	-21.1	21.8
0.60	-29.2	8.1
0.50	-31.0	1.8
0.40	-32.4	1.4

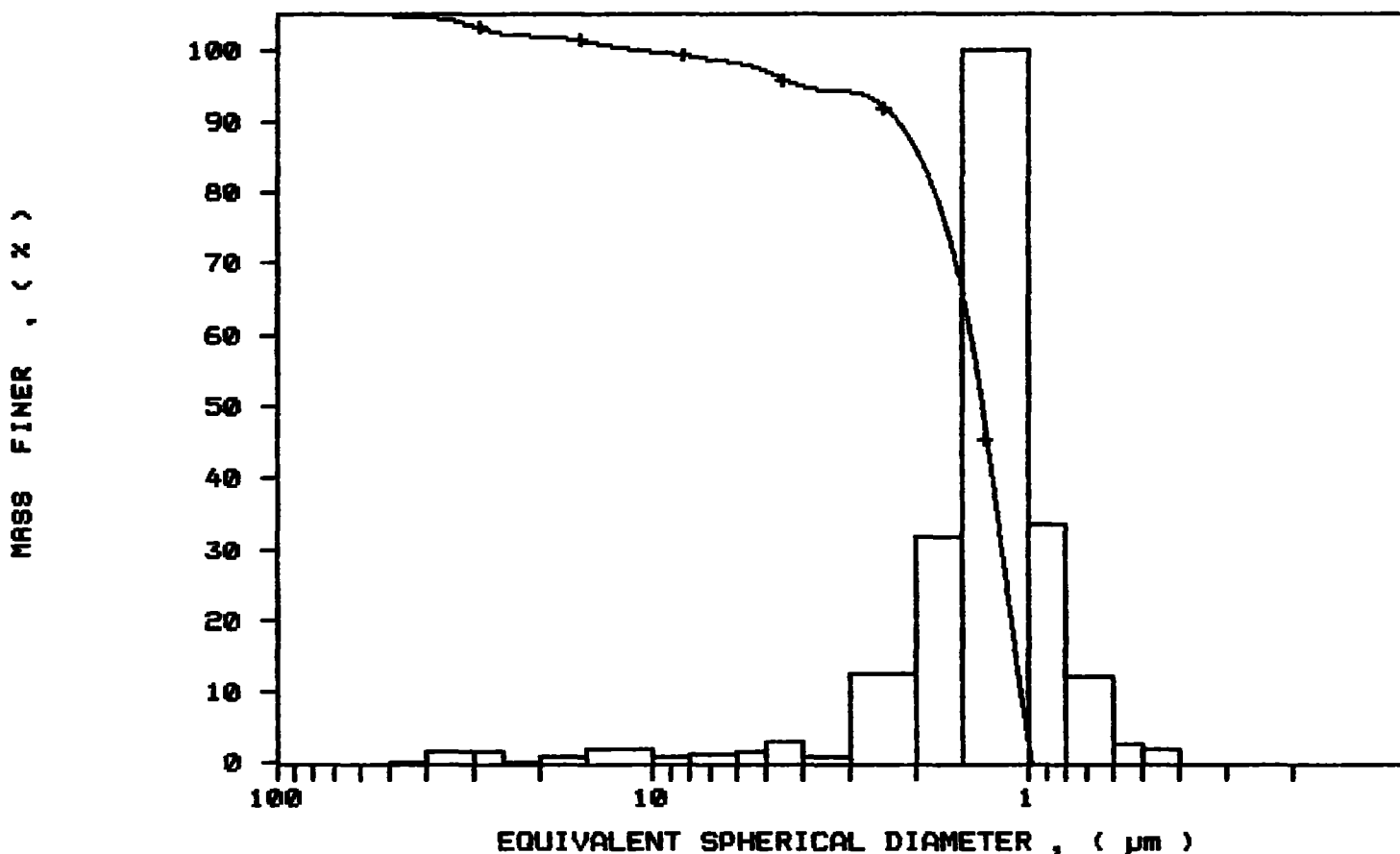
**MINERAL RESEARCH
CANADA**
 1 INDUSTRIAL BLVD. RR2
 BERRY SOUND, ONTARIO
 CANADA K2A 2W8

FAX (709) 378-5125 BUS (709) 378-7111
 DATE *Kearney Maloney*

SAMPLE DIRECTORY/NUMBER: DATA5 /344
SAMPLE ID: Hole 89-8 # 851
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 12:20:35 08/26/91
REPRT 12:41:27 08/26/91
TOT RUN TIME 0:07:22
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

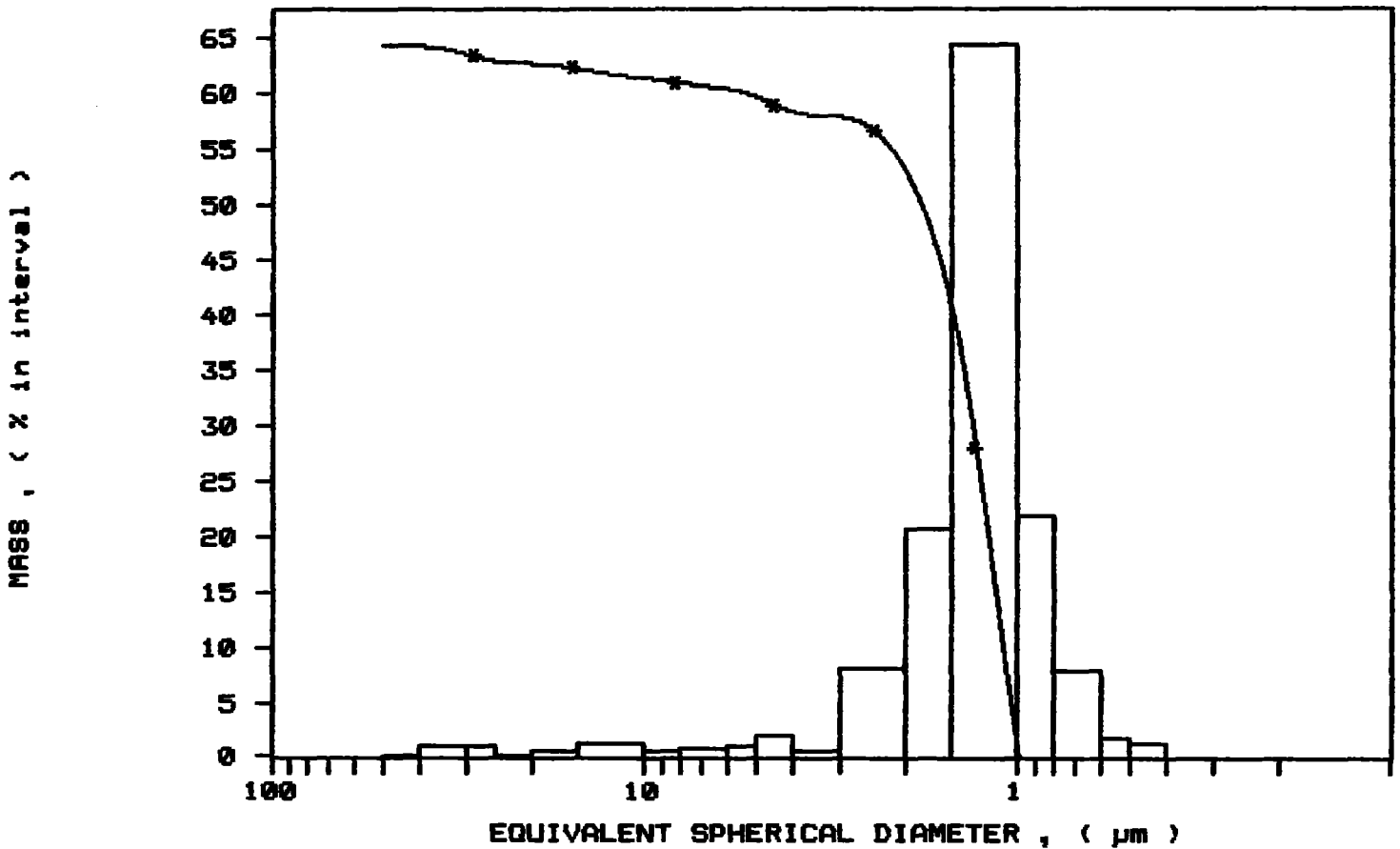
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /344
SAMPLE ID: Hole 89-8 # 851
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 12:20:35 08/26/91
REPRT 12:41:27 08/26/91
TOT RUN TIME 0:07:22
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: DATA5 /345
 SAMPLE ID: Hole 89-8 # 852
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 12:39:16 08/26/91
 REPRT 13:00:13 08/26/91
 TOT RUN TIME 0:07:29
 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: 11.72 µm

MODAL DIAMETER: 15.51 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	92.4	7.6
40.00	90.3	2.0
30.00	84.6	5.7
25.00	78.7	5.9
20.00	71.0	7.8
15.00	59.5	11.4
10.00	44.8	14.8
8.00	38.9	5.8
6.00	33.8	5.1
5.00	30.9	3.0
4.00	26.9	3.9
3.00	22.7	4.3
2.00	18.3	4.4
1.50	14.7	3.6
1.00	10.4	4.3
0.80	8.0	2.4
0.60	5.5	2.6
0.50	4.0	1.4
0.40	1.8	2.2

**MINERAL RESEARCH
CANADA**
 1 PROSPECTOR RD. RR2
 BARKY STATION, ONTARIO
 CANADA M6A 2W8

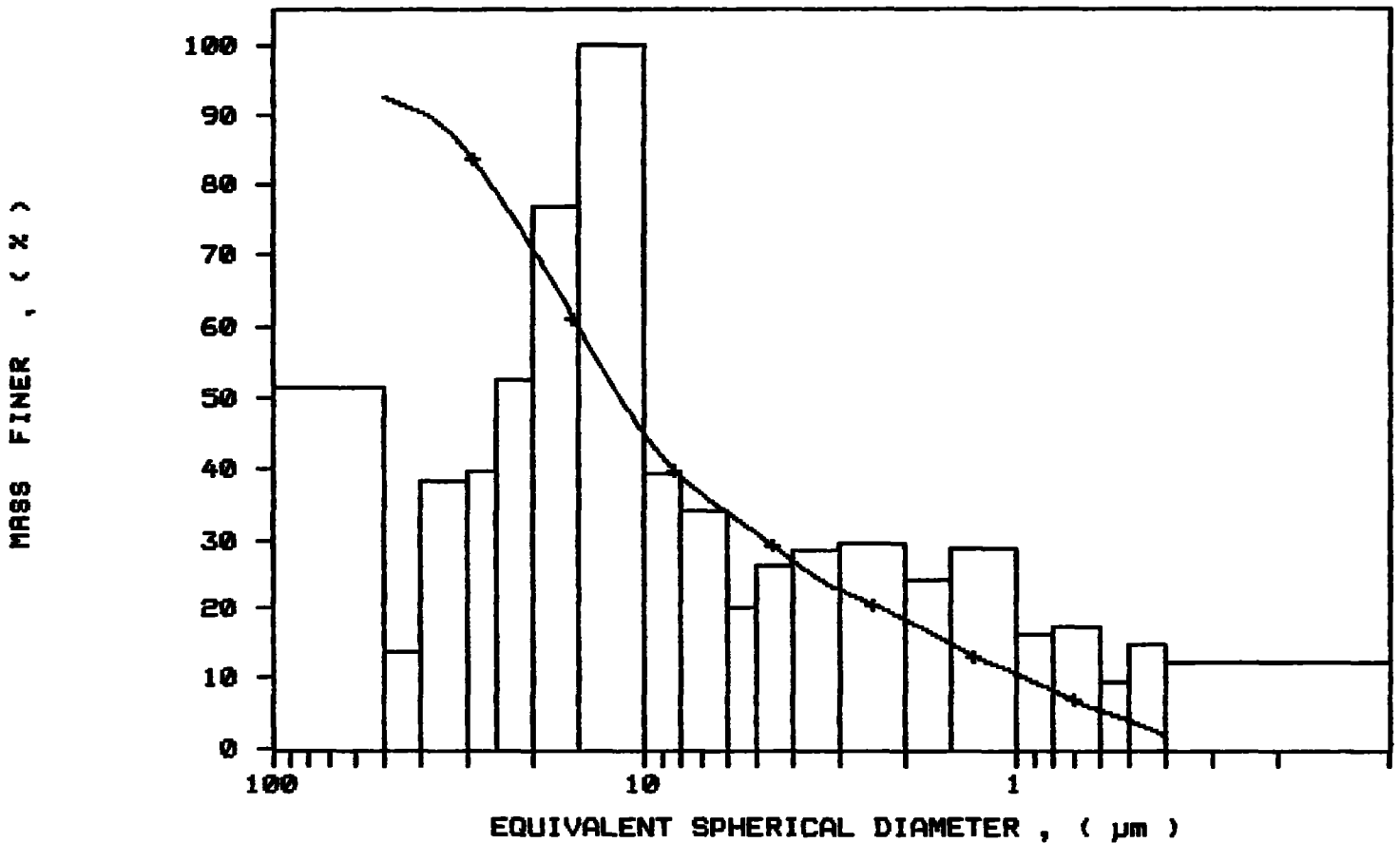
FAX (705) 378-5123 BUS (705) 378-2416

DATE

SAMPLE DIRECTORY/NUMBER: DATA5 /345
SAMPLE ID: Hole 89-8 # 852
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 12:39:16 08/26/91
REPT 13:00:13 08/26/91
TOT RUN TIME 0:07:29
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7270 cp

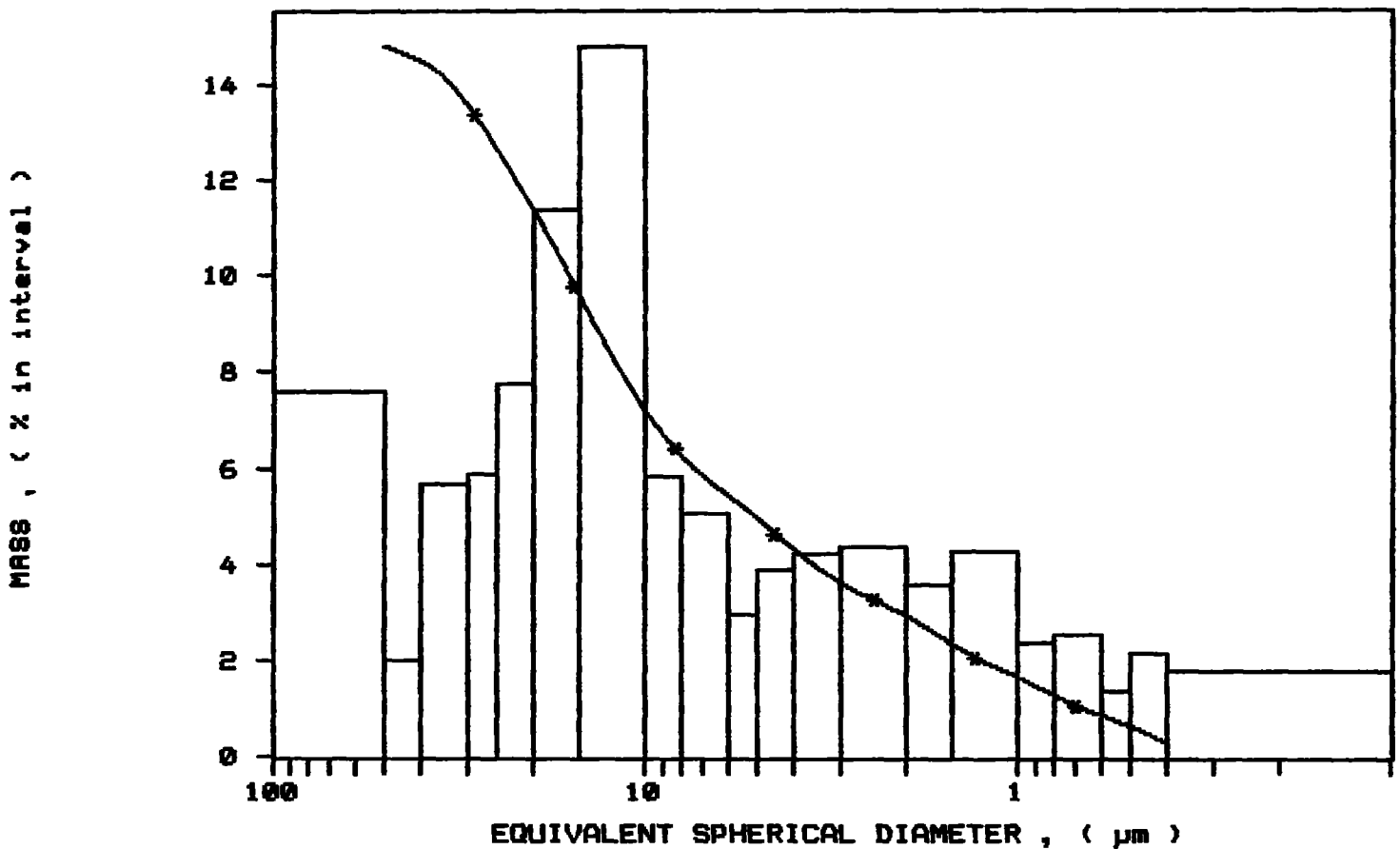
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATAS /345
 SAMPLE ID: Hole 89-8 # 852
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
 START 12:39:16 08/26/91
 REPT 13:00:13 08/26/91
 TOT RUN TIME 0:07:29
 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: DATA5 /346
 SAMPLE ID: Hole 89-8 # 853
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 12:58:44 08/26/91
 REPRT 13:19:46 08/26/91
 TOT RUN TIME 0:07:26
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7269 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 4.62 μ m MODAL DIAMETER: 5.47 μ m

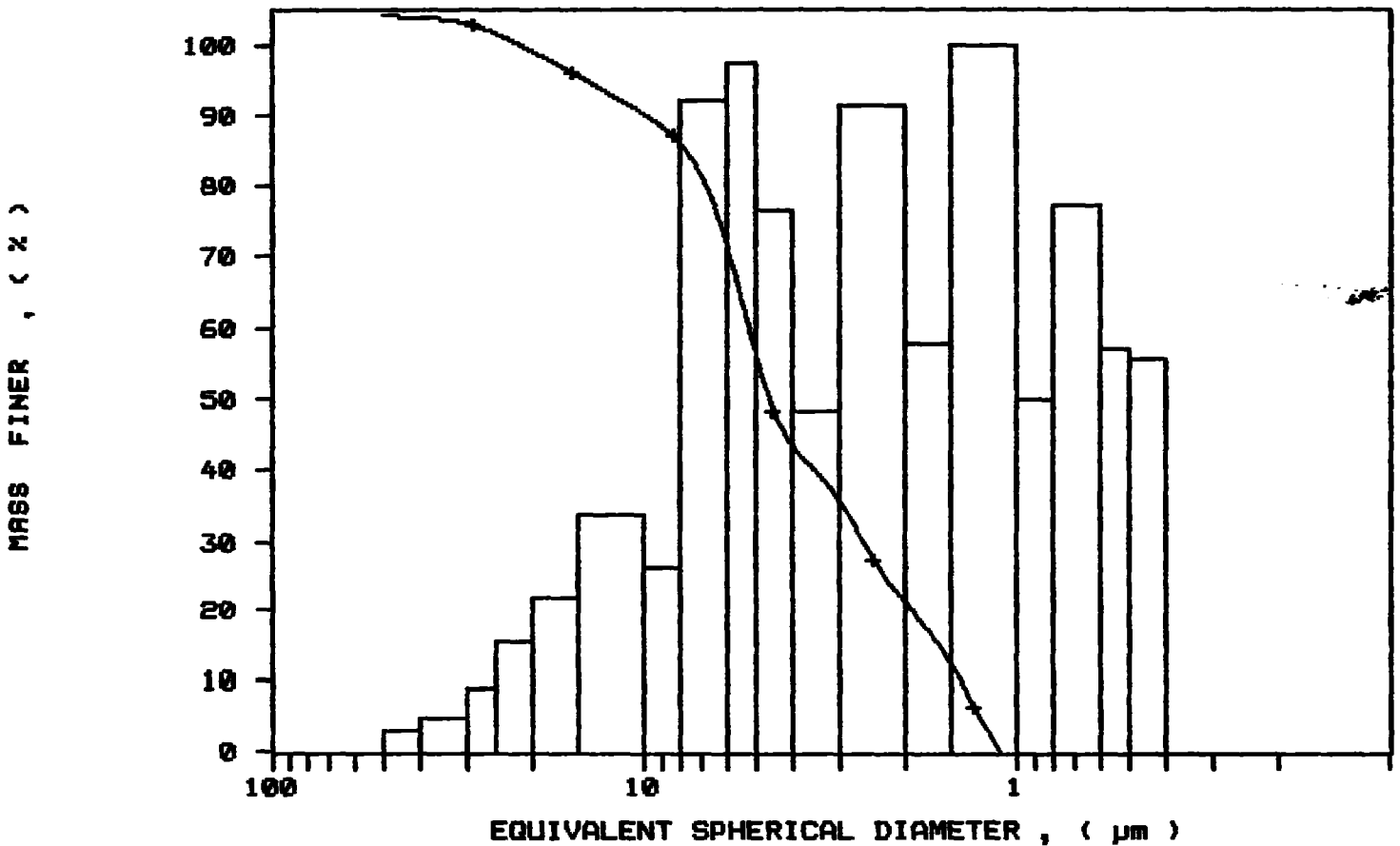
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	104.2	-4.2
40.00	103.7	0.5
30.00	102.9	0.8
25.00	101.5	1.4
20.00	99.0	2.5
15.00	95.5	3.5
10.00	90.1	5.4
8.00	85.9	4.2
6.00	71.2	14.7
5.00	55.6	15.6
4.00	43.4	12.2
3.00	35.7	7.7
2.00	21.1	14.6
1.50	11.8	9.2
1.00	-4.1	15.9
0.80	-12.1	8.0
0.60	-24.4	12.3
0.50	-33.6	9.1
0.40	-42.5	8.9



SAMPLE DIRECTORY/NUMBER: DATA5 /346
SAMPLE ID: Hole 89-8 # 853
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 12:58:44 08/26/91
REPR 13:19:46 08/26/91
TOT RUN TIME 0:07:26
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

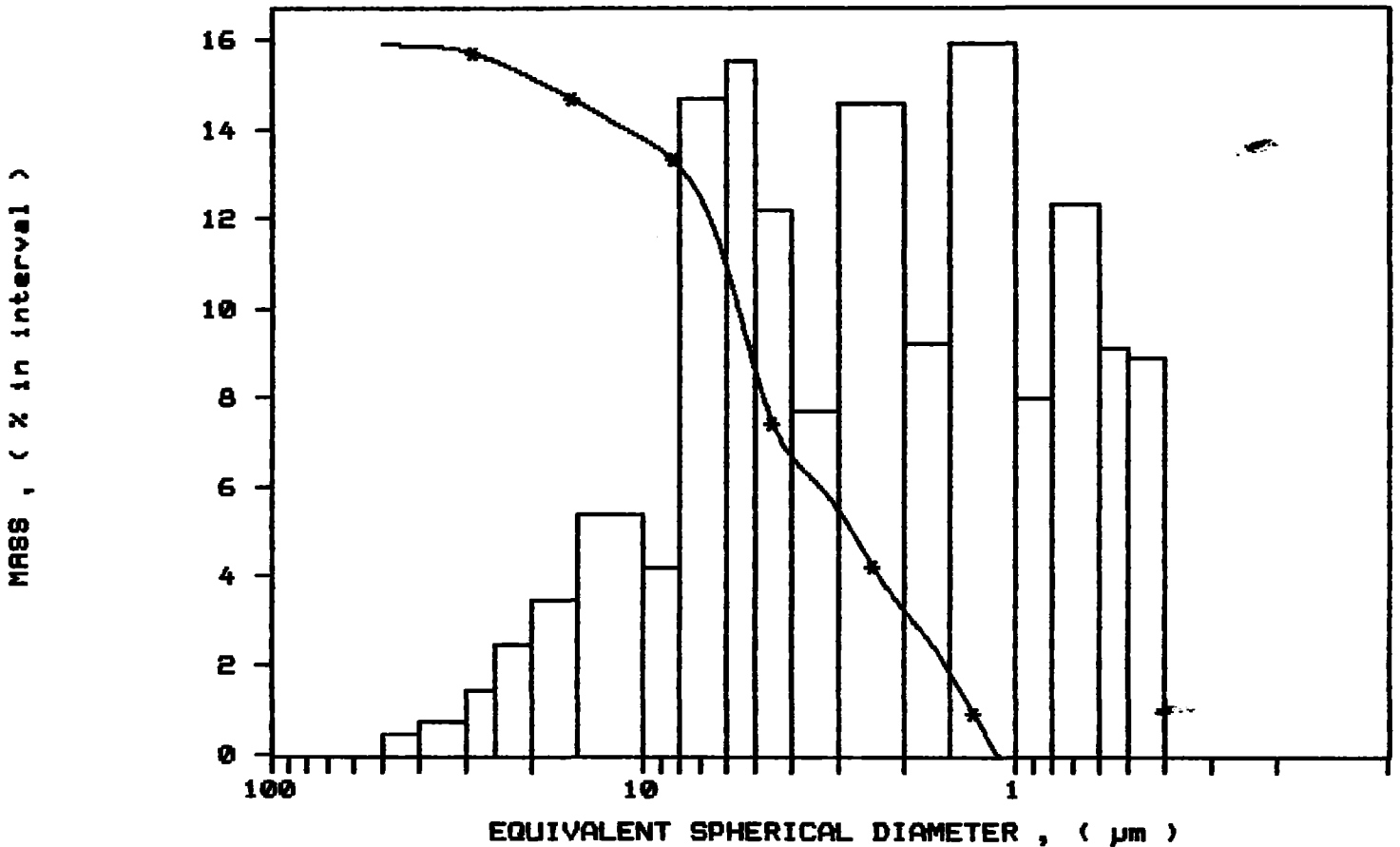
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /346
SAMPLE ID: Hole 89-8 # 853
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 12:58:44 08/26/91
REPRT 13:19:46 08/26/91
TOT RUN TIME 0:07:26
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 /347
 SAMPLE ID: Hole 89-8 # 854
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 13:17:42 08/26/91
 REPRT 08:38:52 08/27/91
 TOT RUN TIME 0:07:25
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7268 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

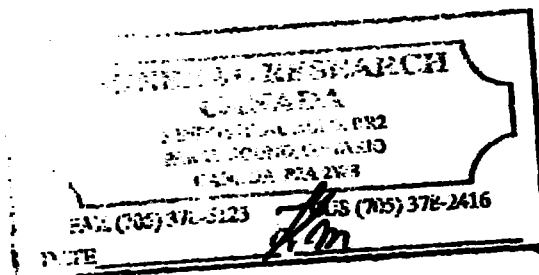
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.97 μ m

MODAL DIAMETER: 2.86 μ m

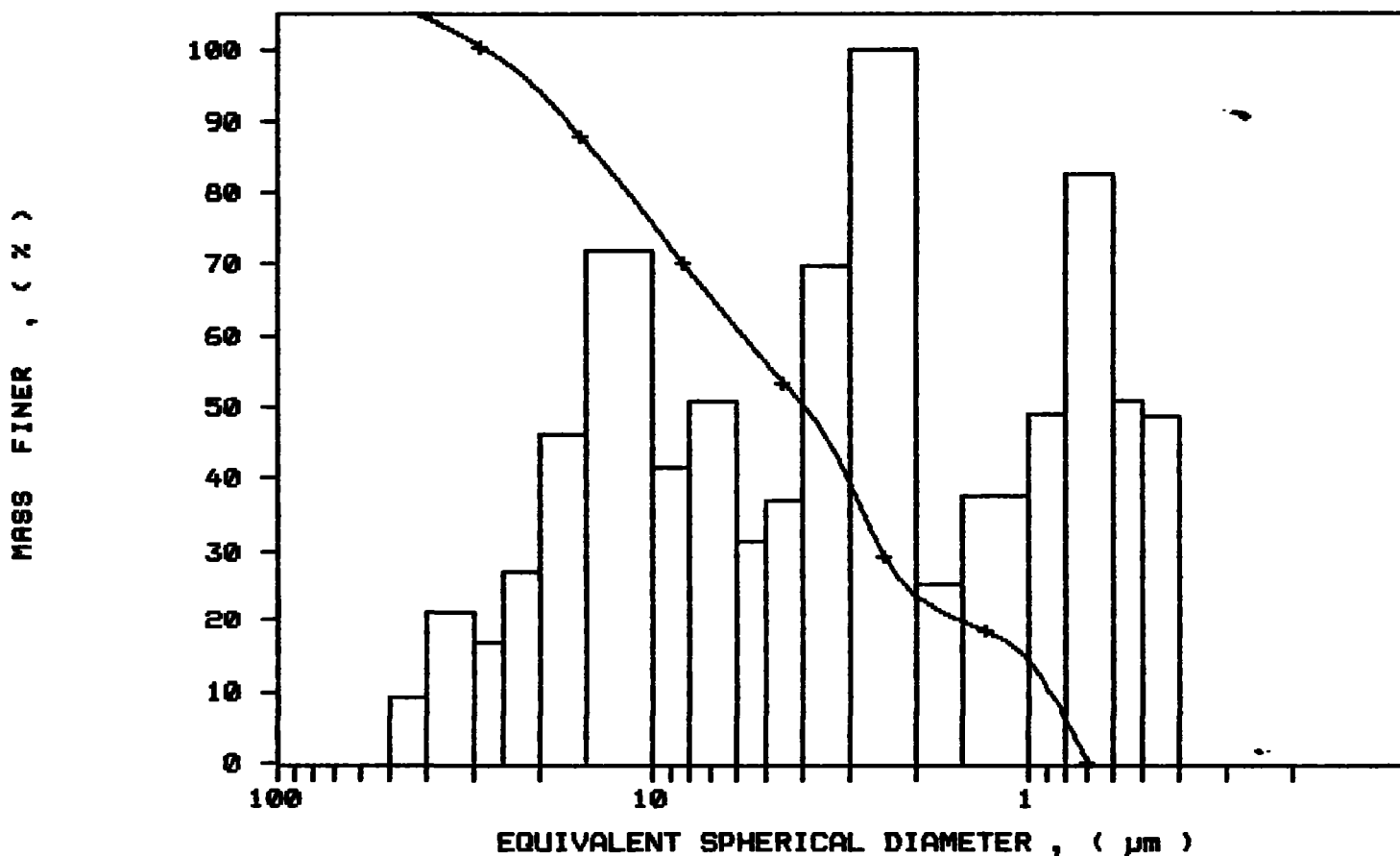
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	105.7	-5.7
40.00	104.2	1.5
30.00	100.9	3.3
25.00	98.3	2.6
20.00	94.0	4.3
15.00	86.8	7.2
10.00	75.5	11.3
8.00	68.9	6.6
6.00	60.9	8.0
5.00	56.0	4.9
4.00	50.2	5.8
3.00	39.2	11.0
2.00	23.5	15.7
1.50	19.6	4.0
1.00	13.7	5.9
0.80	6.0	7.7
0.60	-7.0	13.0
0.50	-15.0	8.0
0.40	-22.6	7.6



SAMPLE DIRECTORY/NUMBER: DATA5 /347
SAMPLE ID: Hole 89-8 # 854
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 13:17:42 08/26/91
REPT 08:38:52 08/27/91
TOT RUN TIME 0:07:25
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

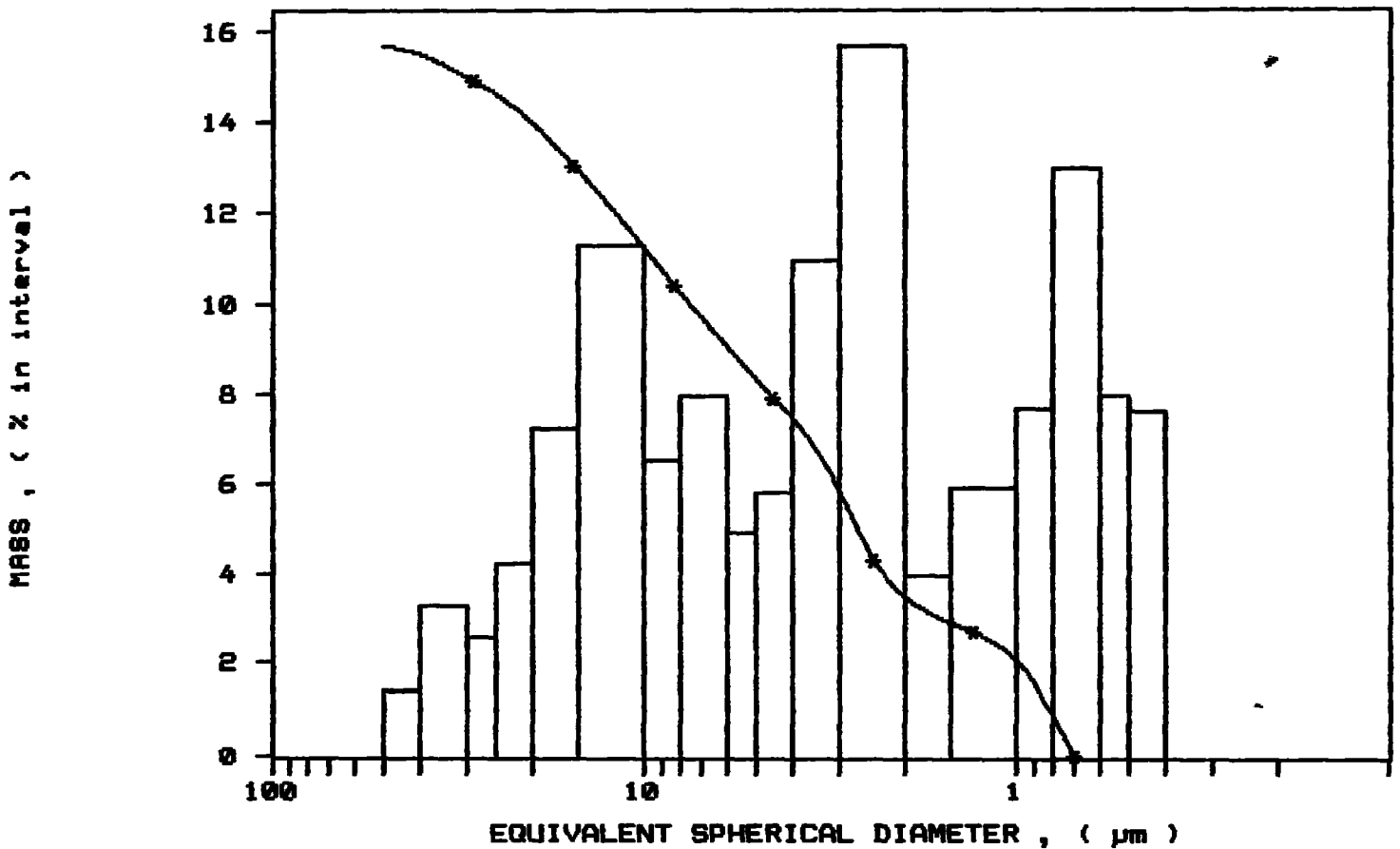
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATAS /347
SAMPLE ID: Hole 89-8 # 854
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 13:17:42 08/26/91
REPT 08:38:52 08/27/91
TOT RUN TIME 0:07:25
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



SediGraph 5100 V2.03

Hole 89-8 # 855

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATAS /348
 SAMPLE ID: Hole 89-8 # 855
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 08:36:39 08/27/91
 REPR 08:57:32 08/27/91
 TOT RUN TIME 0:07:30
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7268 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 10.85 μ m

MODAL DIAMETER: 19.41 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	94.8	5.2
40.00	91.3	3.5
30.00	84.2	7.1
25.00	78.0	6.2
20.00	70.1	7.9
15.00	60.1	10.0
10.00	47.5	12.6
8.00	41.1	6.3
6.00	33.2	8.0
5.00	28.5	4.7
4.00	23.5	5.0
3.00	17.5	5.9
2.00	11.9	5.6
1.50	8.5	3.5
1.00	3.0	5.4
0.80	-0.6	3.6
0.60	-6.6	6.0
0.50	-10.3	3.7
0.40	-13.1	2.8

**MINERAL RESEARCH
CANADA**
 1 INDUSTRIAL BLVD. #12
 BARRY COUNTY ONTARIO
 CANADA N1A 2W4

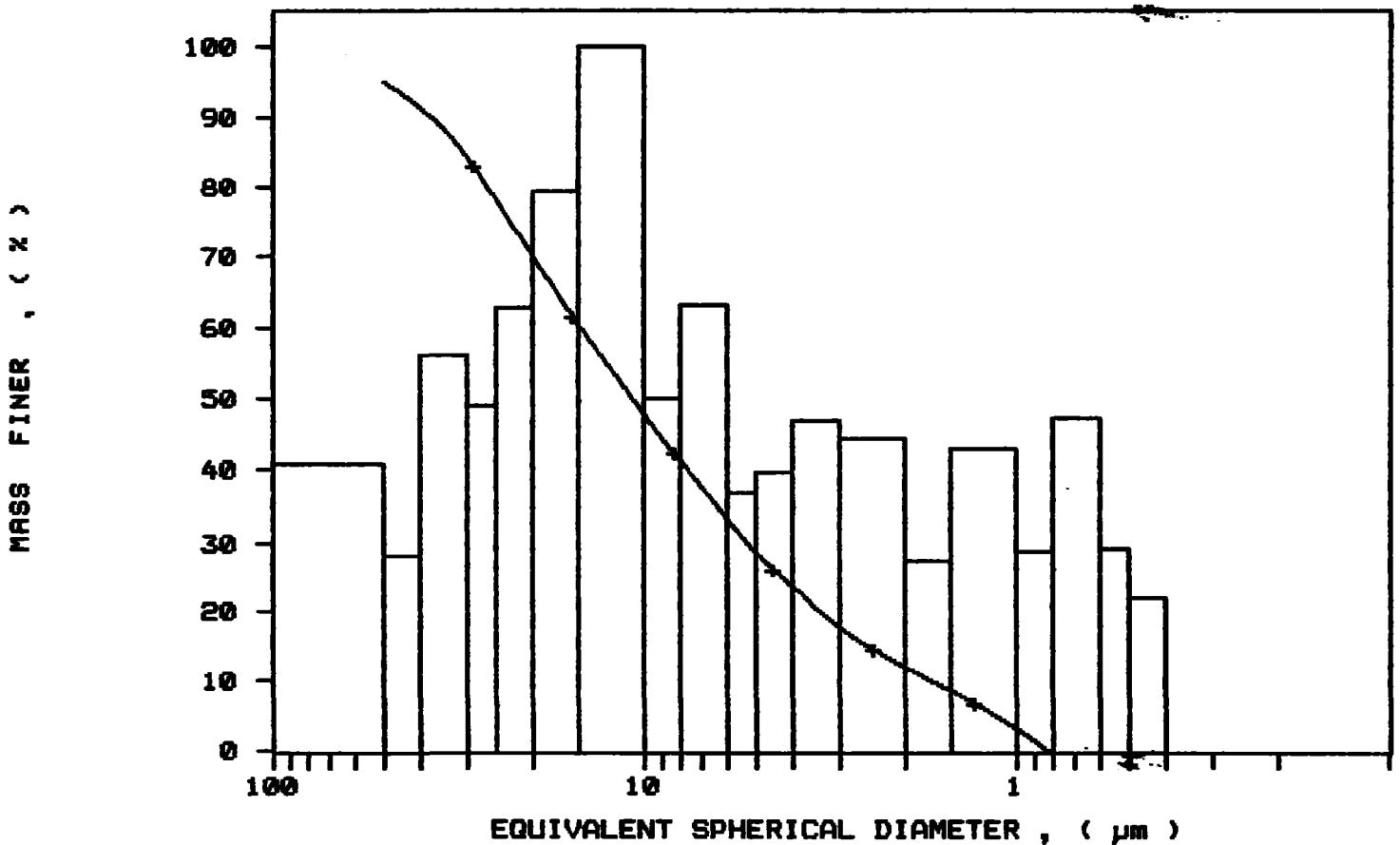
FAX (705) 378-5123 TEL (705) 378-2416

DATE *AM*

SAMPLE DIRECTORY/NUMBER: DATAS /348
SAMPLE ID: Hole 89-8 # 855
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 08:36:39 08/27/91
REPT 08:57:32 08/27/91
TOT RUN TIME 0:07:30
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

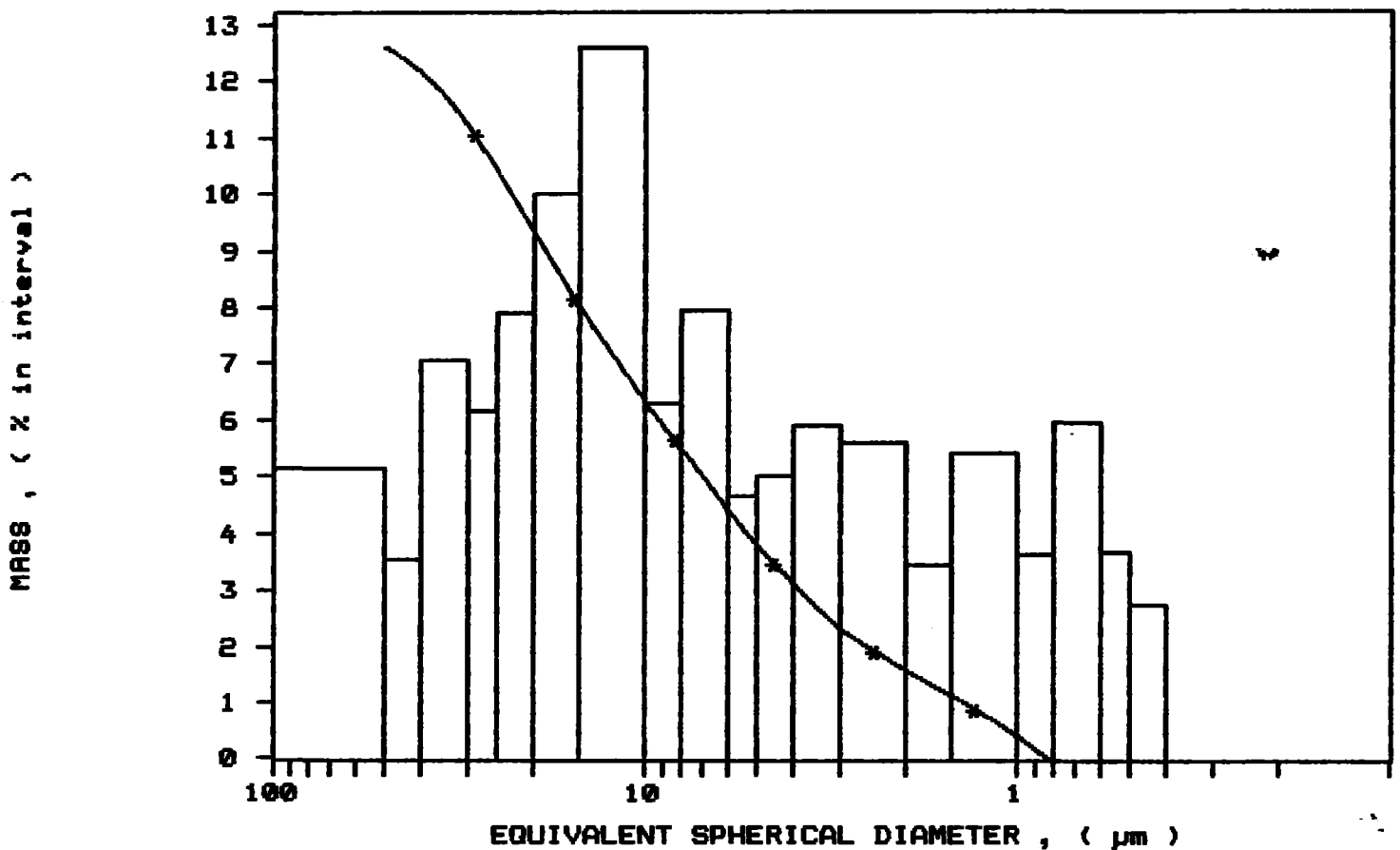
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /348
SAMPLE ID: Hole 89-8 # 855
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 08:36:39 08/27/91
REPR 08:57:32 08/27/91
TOT RUN TIME 0:07:30
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



SediGraph 5100 V2.03

Hole 89-8 # 856

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /349
 SAMPLE ID: Hole 89-8 # 856
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 08:55:16 08/27/91
 REPRT 09:16:26 08/27/91
 TOT RUN TIME 0:07:22
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

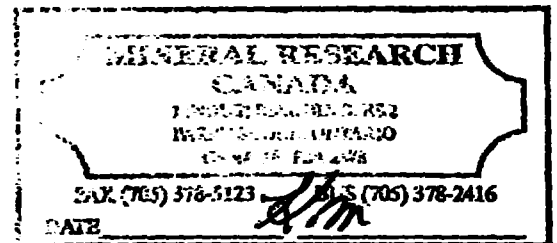
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 5.03 μ m

MODAL DIAMETER: 1.92 μ m

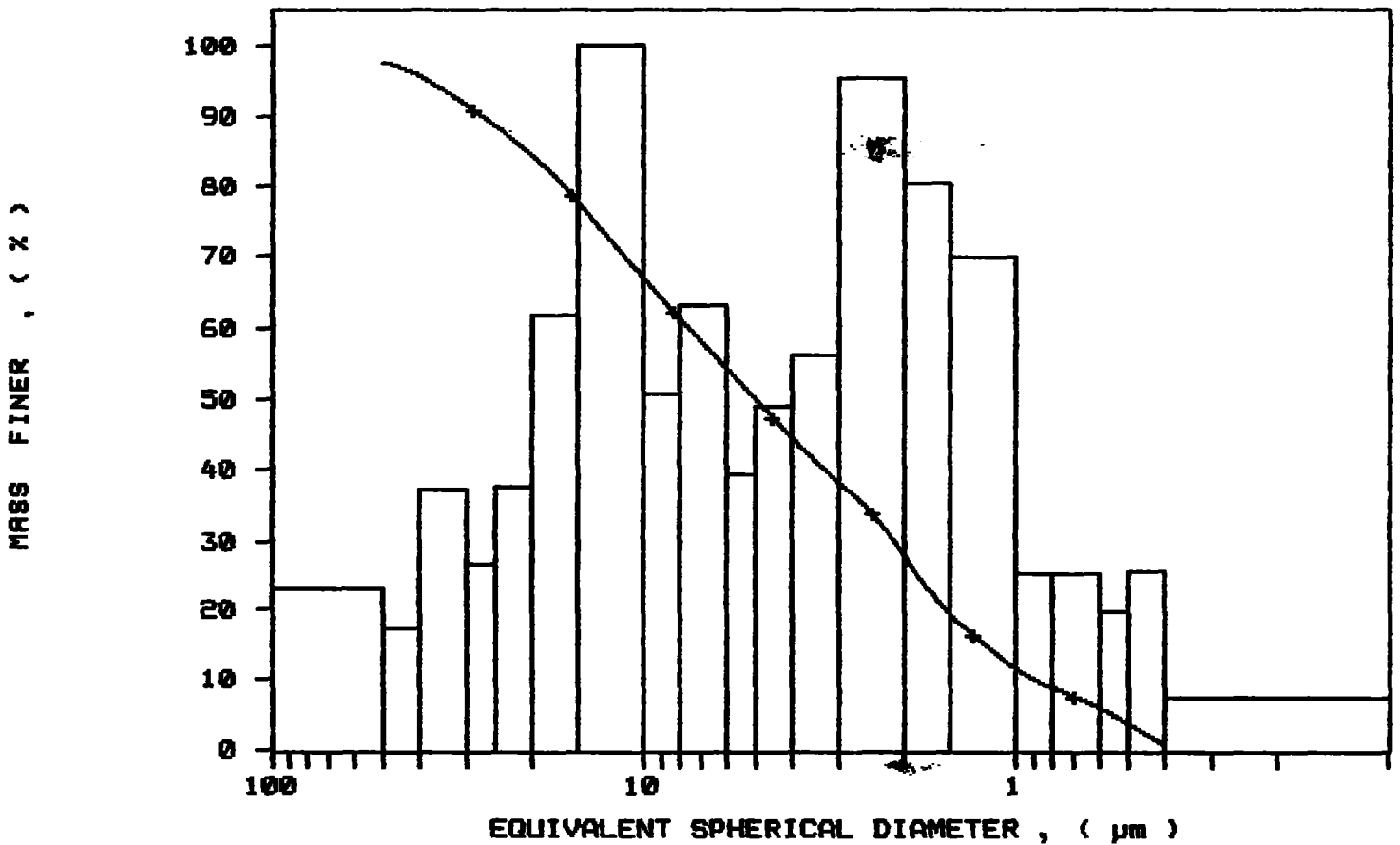
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.4	2.6
40.00	95.5	1.9
30.00	91.4	4.1
25.00	88.5	2.9
20.00	84.4	4.1
15.00	77.6	6.8
10.00	66.7	10.9
8.00	61.1	5.6
6.00	54.2	6.9
5.00	49.8	4.3
4.00	44.5	5.4
3.00	38.3	6.1
2.00	27.8	10.5
1.50	19.0	8.8
1.00	11.4	7.7
0.80	8.6	2.8
0.60	5.8	2.8
0.50	3.6	2.2
0.40	0.8	2.8



SAMPLE DIRECTORY/NUMBER: DATAS /349
SAMPLE ID: Hole 89-8 # 856
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 08:55:16 08/27/91
REPRT 09:16:26 08/27/91
TOT RUN TIME 0:07:22
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

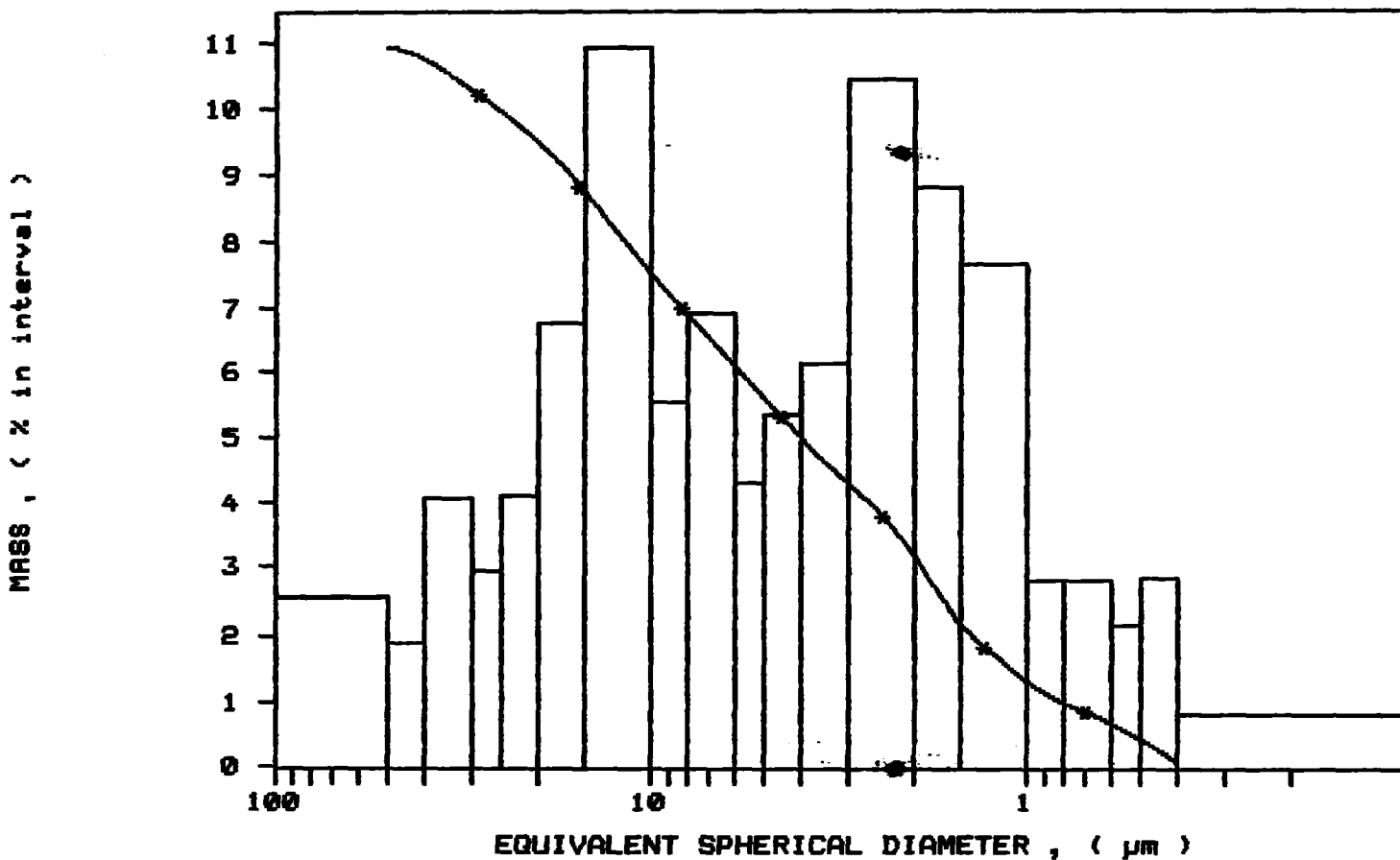
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /349
SAMPLE ID: Hole 89-8 # 856
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 08:55:16 08/27/91
REPT 09:16:26 08/27/91
TOT RUN TIME 0:07:22
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: DATA5 /350
 SAMPLE ID: Hole 89-8 # 857
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 09:13:46 08/27/91
 REPRT 09:38:48 08/27/91
 TOT RUN TIME 0:07:29
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

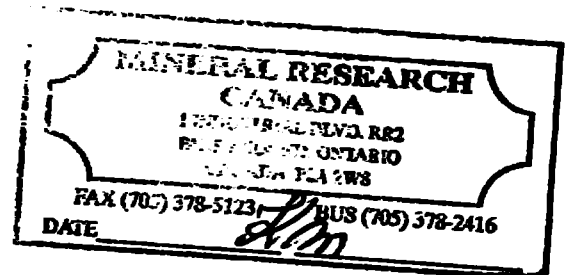
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.81 μ m

MODAL DIAMETER: 2.38 μ m

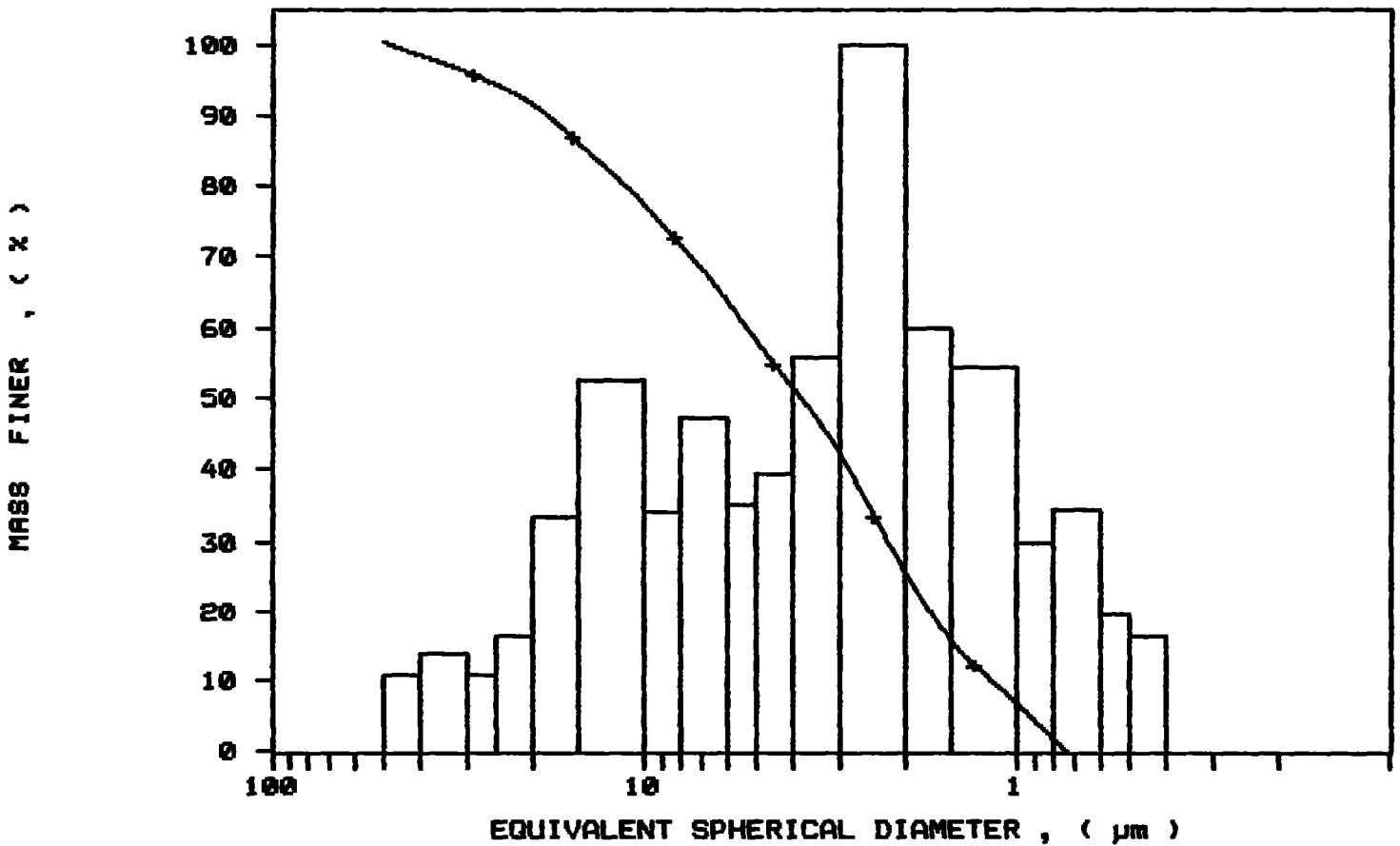
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.2	-0.2
40.00	98.4	1.8
30.00	96.0	2.3
25.00	94.2	1.8
20.00	91.5	2.7
15.00	85.9	5.6
10.00	77.2	8.7
8.00	71.5	5.6
6.00	63.7	7.8
5.00	57.9	5.8
4.00	51.4	6.5
3.00	42.2	9.2
2.00	25.7	16.5
1.50	15.7	9.9
1.00	6.7	9.0
0.80	1.8	5.0
0.60	-3.9	5.7
0.50	-7.2	3.3
0.40	-9.9	2.7



SAMPLE DIRECTORY/NUMBER: DATA5 /350
SAMPLE ID: Hole 89-8 # 857
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 09:13:46 08/27/91
REPT 09:38:48 08/27/91
TOT RUN TIME 0:07:29
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

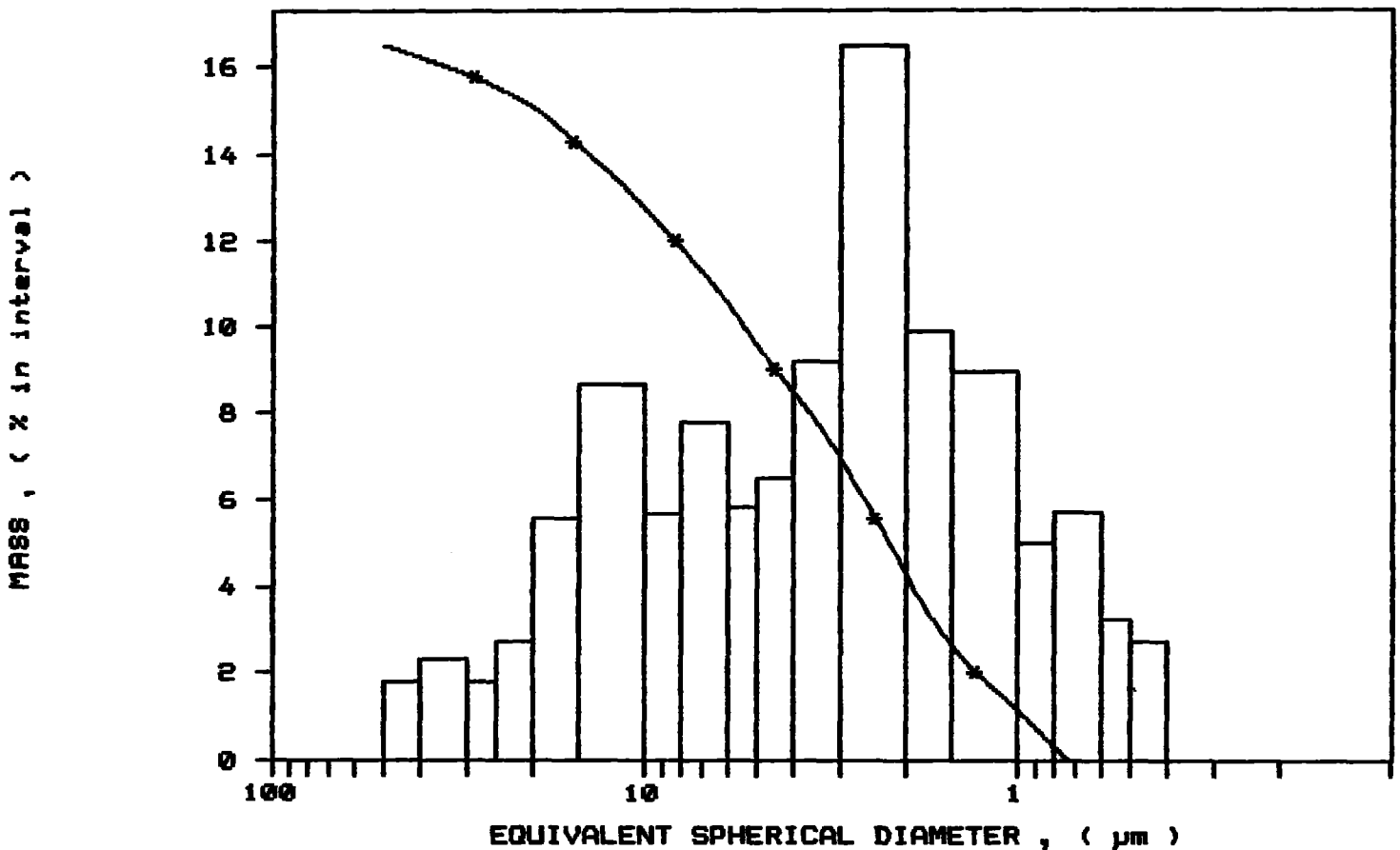
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /350
SAMPLE ID: Hole 89-8 # 857
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 09:13:46 08/27/91
REPT 09:38:48 08/27/91
TOT RUN TIME 0:07:29
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: DATA5 /351
 SAMPLE ID: Hole 89-8 # 858
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 09:32:19 08/27/91
 REPT 09:56:32 08/27/91
 TOT RUN TIME 0:07:28
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

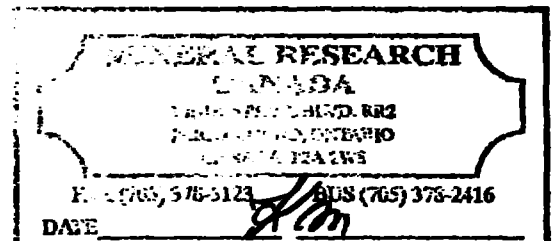
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.66 μ m

MODAL DIAMETER: 1.55 μ m

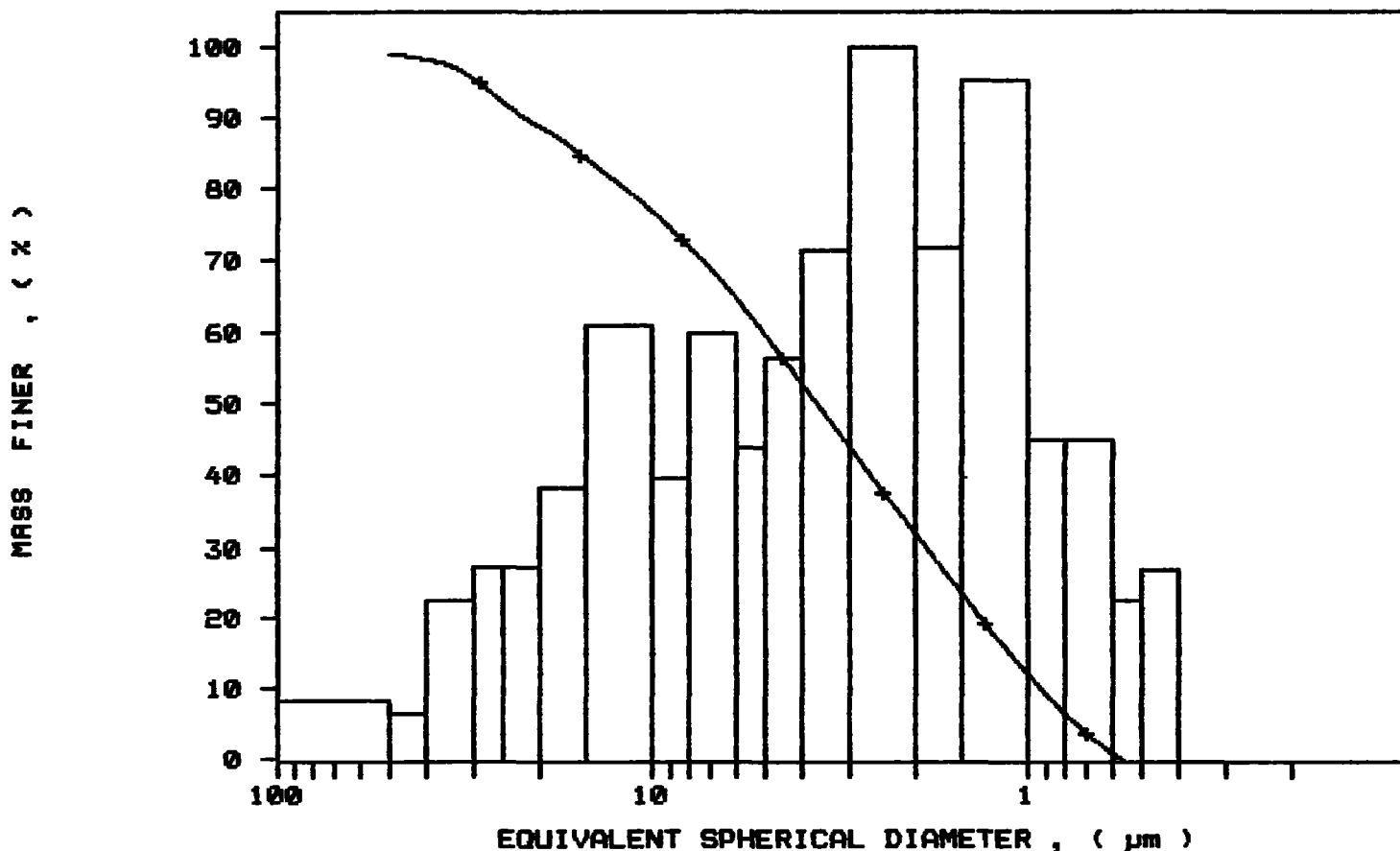
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.0	1.0
40.00	98.2	0.8
30.00	95.4	2.7
25.00	92.1	3.3
20.00	88.8	3.3
15.00	84.2	4.6
10.00	76.8	7.3
8.00	72.0	4.8
6.00	64.8	7.2
5.00	59.5	5.3
4.00	52.7	6.8
3.00	44.1	8.6
2.00	32.1	12.0
1.50	23.4	8.7
1.00	11.9	11.5
0.80	6.5	5.5
0.60	1.0	5.4
0.50	-1.7	2.7
0.40	-5.0	3.3



SAMPLE DIRECTORY/NUMBER: DATAS /351
SAMPLE ID: Hole 89-8 # 858
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 09:32:19 08/27/91
REPT 09:56:32 08/27/91
TOT RUN TIME 0:07:28
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

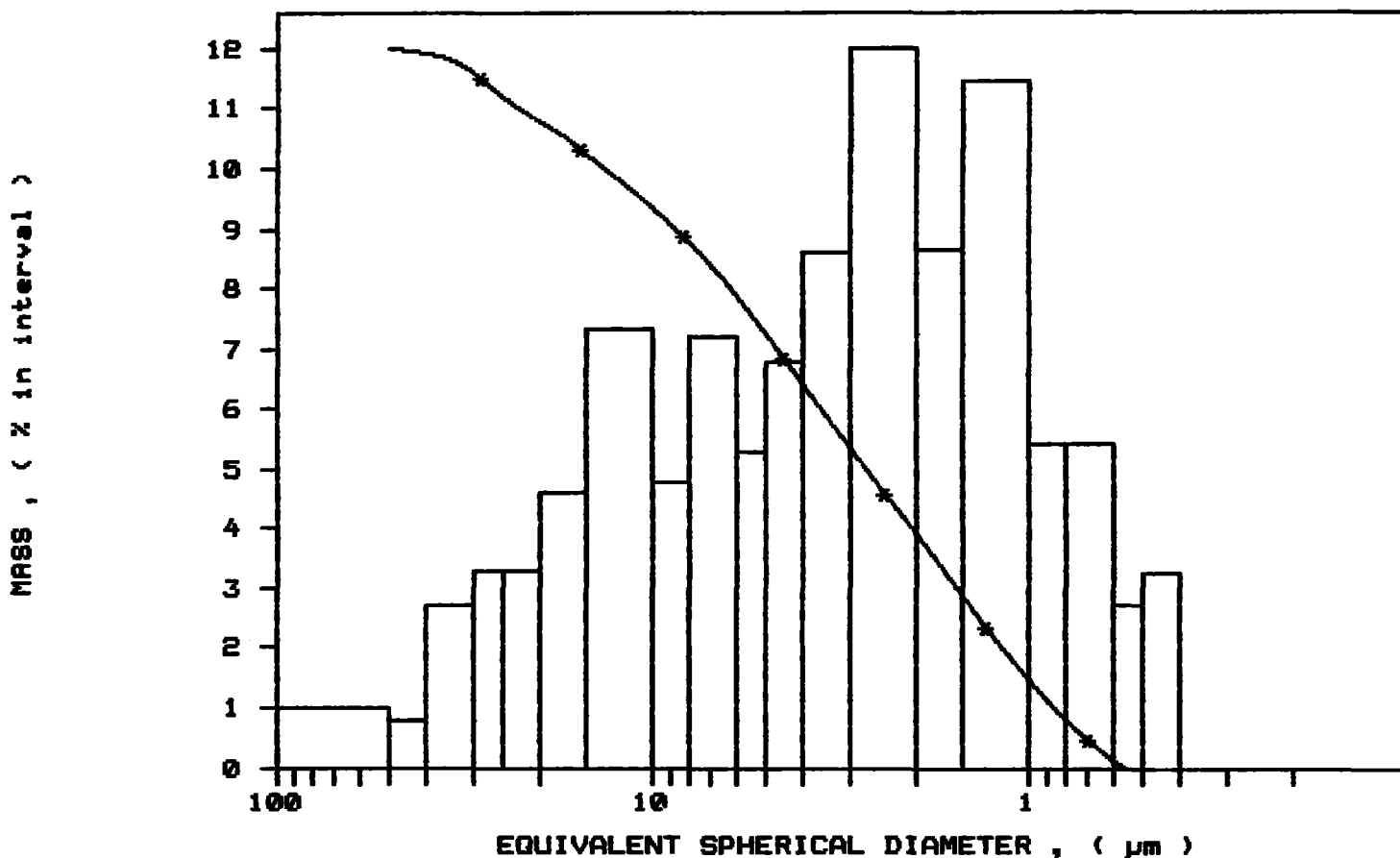
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATAS /351
 SAMPLE ID: Hole 89-8 # 858
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 09:32:19 08/27/91
 REPT 09:56:32 08/27/91
 TOT RUN TIME 0:07:28
 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: DATA5 /352
 SAMPLE ID: Hole 89-8 # 859
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 09:54:17 08/27/91
 REPT 10:15:10 08/27/91
 TOT RUN TIME 0:07:31
 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: 7.26 µm MODAL DIAMETER: 1.92 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	101.2	-1.2
40.00	97.1	4.1
30.00	92.5	4.6
25.00	88.5	4.0
20.00	82.4	6.1
15.00	73.9	8.5
10.00	59.6	14.3
8.00	52.6	7.0
6.00	44.5	8.1
5.00	39.3	5.3
4.00	34.0	5.2
3.00	29.1	4.9
2.00	17.9	11.3
1.50	8.2	9.7
1.00	1.8	6.3
0.80	-1.4	3.2
0.60	-4.5	3.1
0.50	-6.1	1.6
0.40	-7.9	1.8

**MINERAL RESEARCH
CANADA**
 1 INDUSTRIAL BLVD. RR2
 BRANTFORD, ONTARIO
 CANADA N2A 2W8

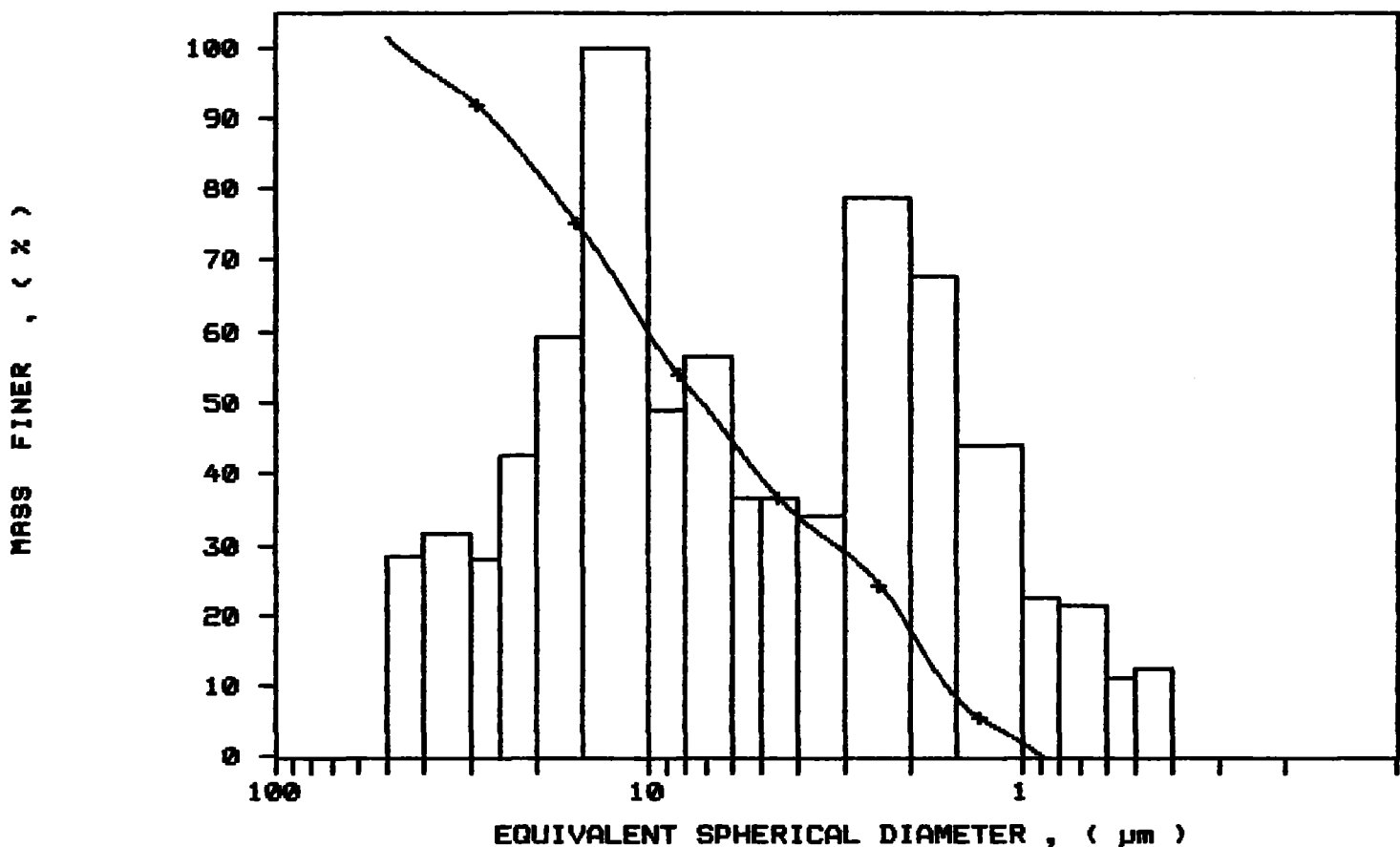
FAX (705) 378-5123 BUS (705) 378-2416

DATE *[Signature]*

SAMPLE DIRECTORY/NUMBER: DATA5 /352
SAMPLE ID: Hole 89-8 # 859
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 09:54:17 08/27/91
REPR 10:15:10 08/27/91
TOT RUN TIME 0:07:31
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

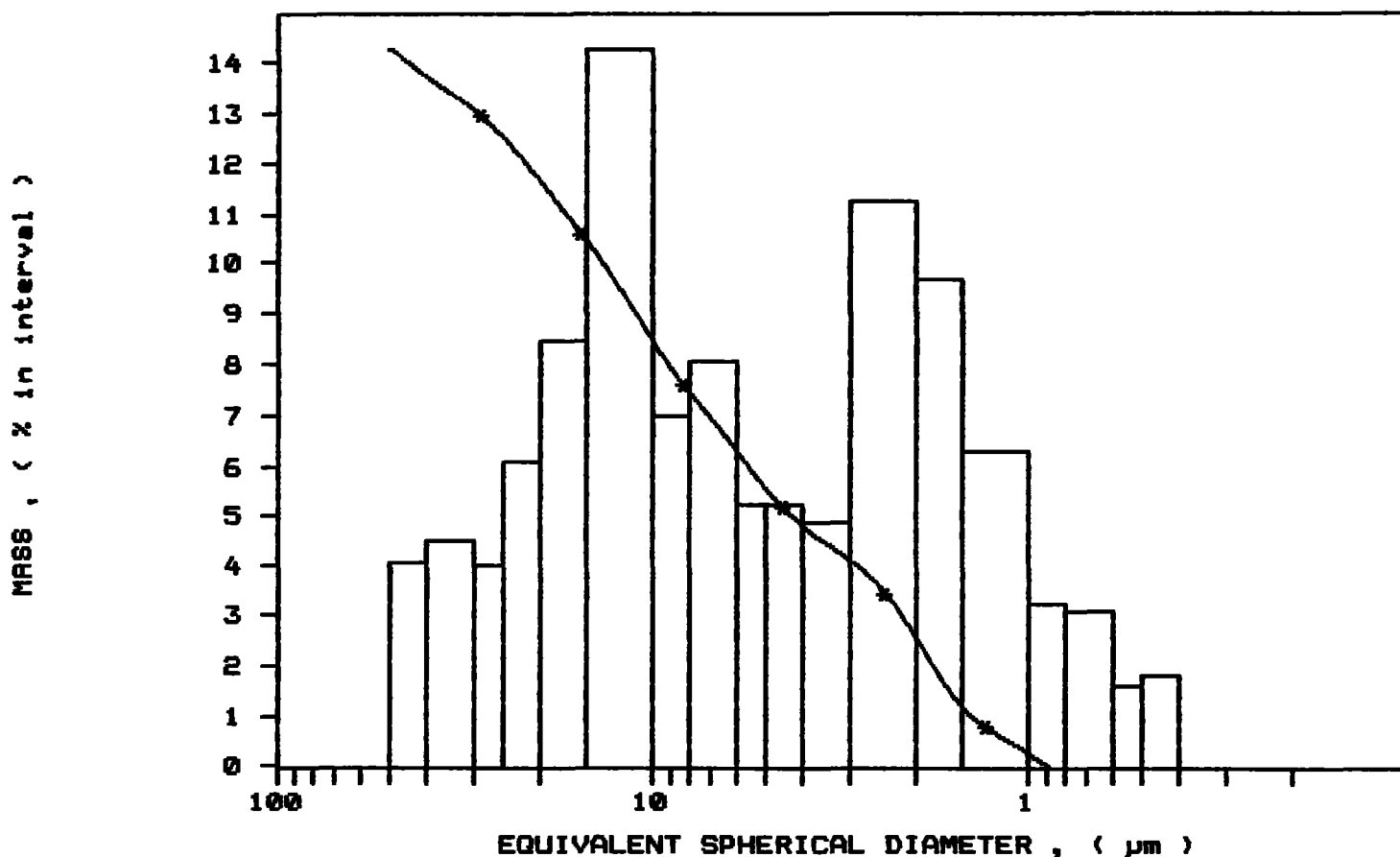
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /352
 SAMPLE ID: Hole 89-8 # 859
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
 START 09:54:17 08/27/91
 REPT 10:15:10 08/27/91
 TOT RUN TIME 0:07:31
 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: DATAS /353
 SAMPLE ID: Hole 89-8 # 860
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 10:13:23 08/27/91
 REPT 10:33:32 08/27/91
 TOT RUN TIME 0:07:37
 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: 5.07 µm

MODAL DIAMETER: 20.53 µm

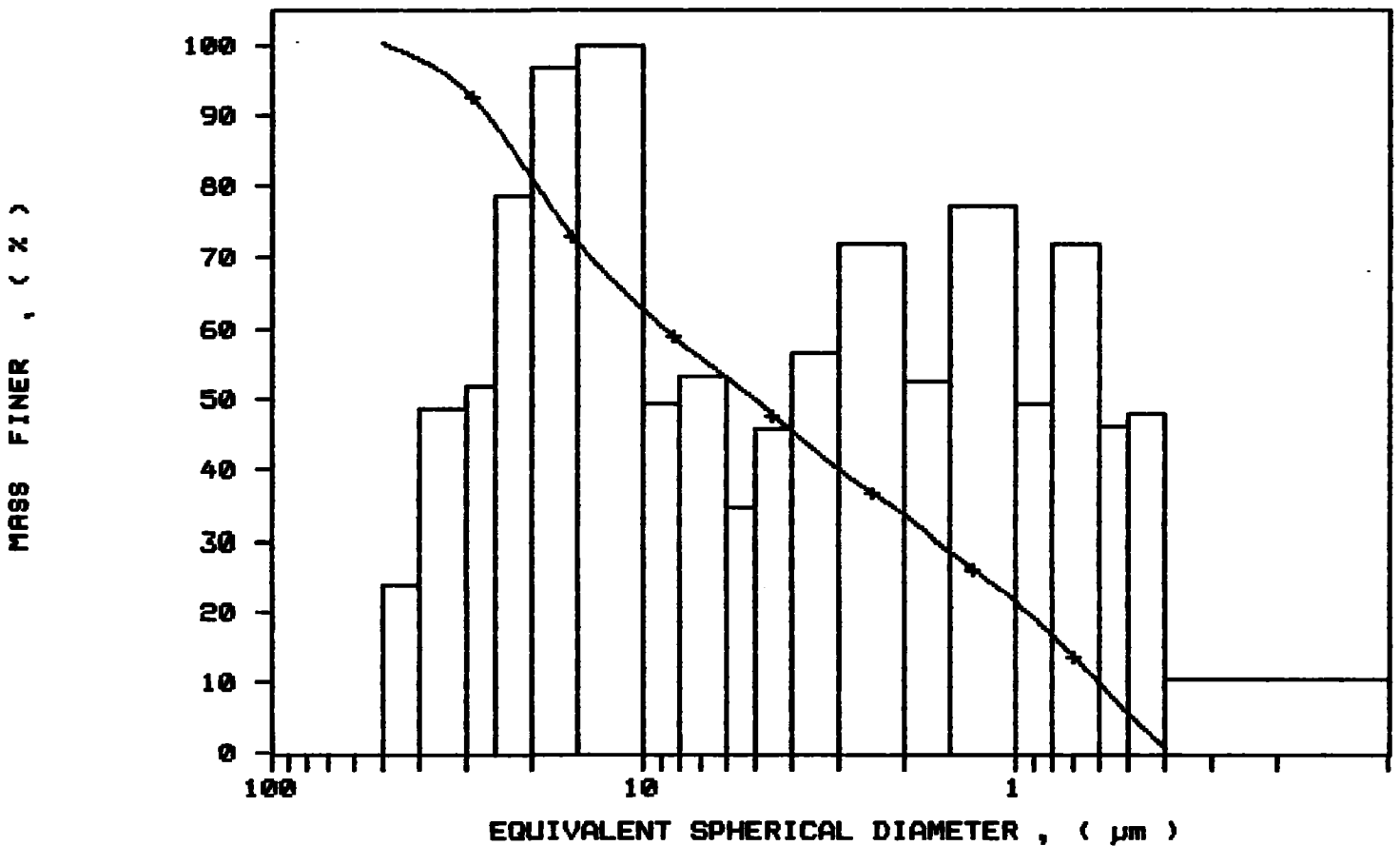
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.1	-0.1
40.00	97.8	2.3
30.00	93.3	4.6
25.00	88.4	4.9
20.00	81.0	7.4
15.00	72.0	9.1
10.00	62.6	9.4
8.00	58.0	4.6
6.00	53.0	5.0
5.00	49.7	3.3
4.00	45.4	4.3
3.00	40.1	5.3
2.00	33.4	6.7
1.50	28.5	4.9
1.00	21.2	7.3
0.80	16.6	4.6
0.60	9.8	6.7
0.50	5.5	4.3
0.40	1.0	4.5



SAMPLE DIRECTORY/NUMBER: DATAS /353
SAMPLE ID: Hole 89-8 # 860
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 10:13:23 08/27/91
REPT 10:33:32 08/27/91
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7268 cp

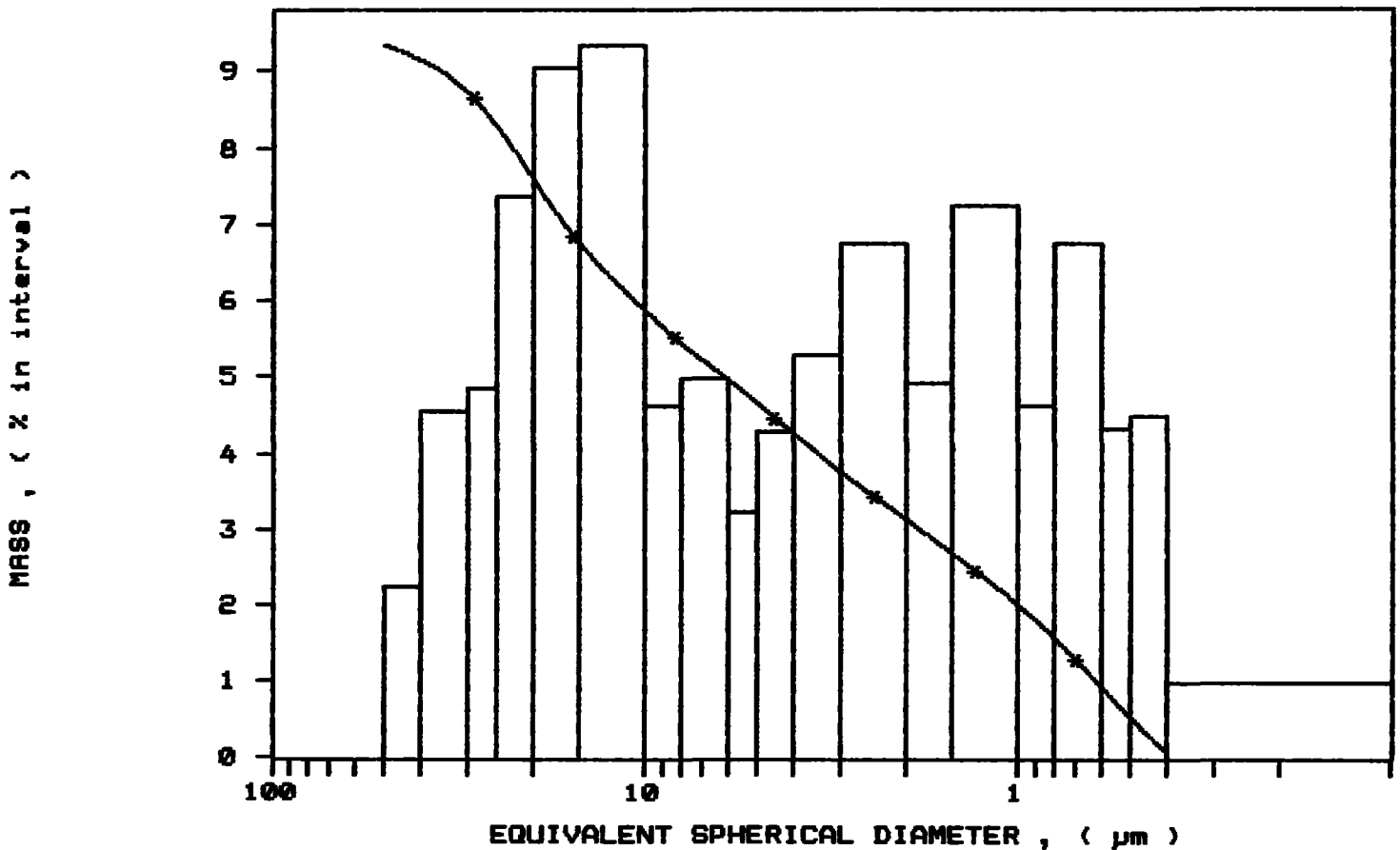
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /353
SAMPLE ID: Hole 89-8 # 860
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 10:13:23 08/27/91
REPR 10:33:32 08/27/91
TOT RUN TIME 0:07:37
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



SediGraph 5100 V2.03

Hole 89-8 # 861

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATAS /354
 SAMPLE ID: Hole 89-8 # 861
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 10:32:09 08/27/91
 REPT 10:50:27 08/27/91
 TOT RUN TIME 0:05:16
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7283 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.20
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 7.57 μ m

MODAL DIAMETER: 4.60 μ m

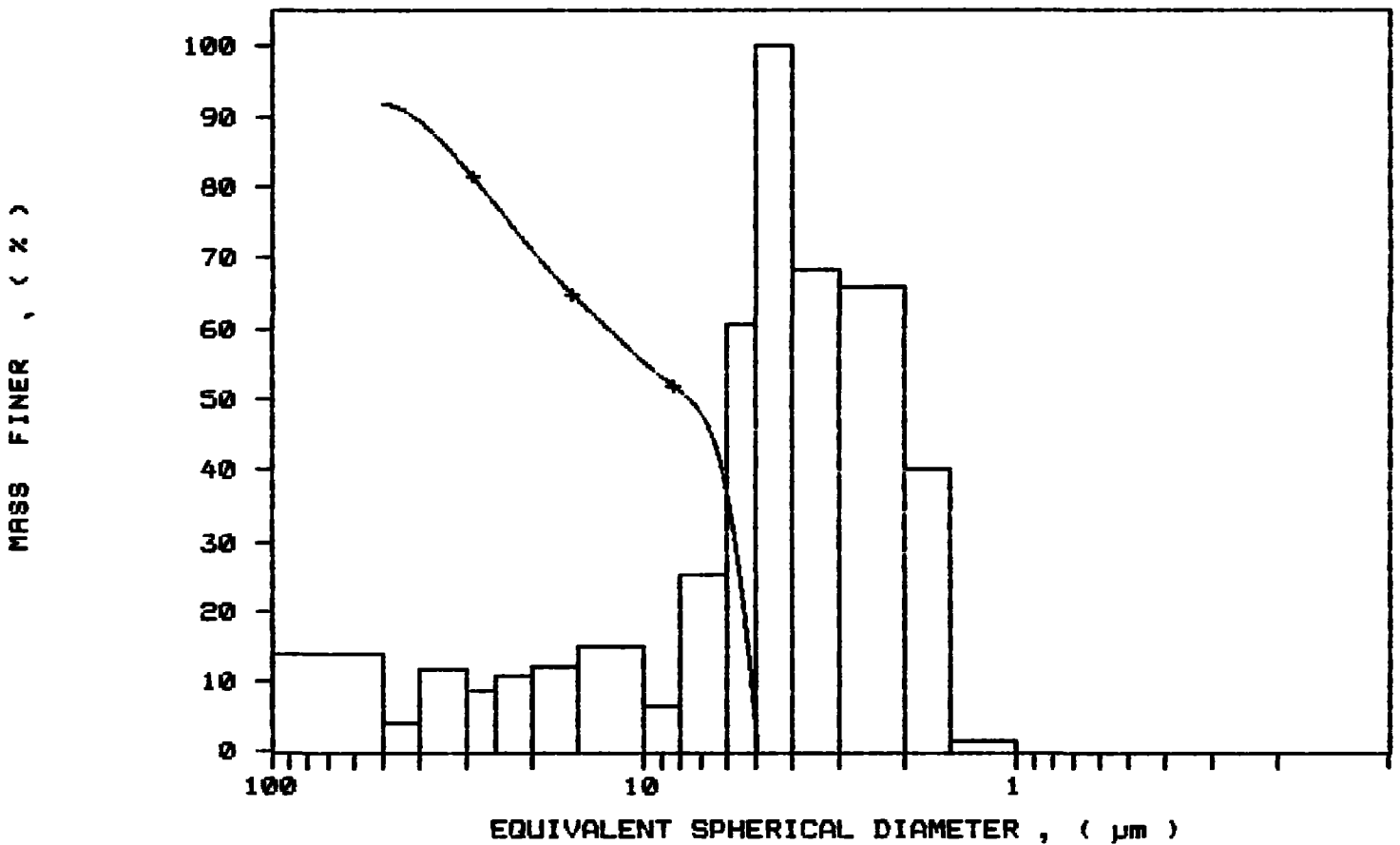
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	91.8	8.2
40.00	89.4	2.4
30.00	82.5	6.9
25.00	77.4	5.1
20.00	71.1	6.3
15.00	64.0	7.1
10.00	55.1	8.9
8.00	51.1	4.0
6.00	36.2	14.9
5.00	0.7	35.5
4.00	-57.5	58.2
3.00	-97.4	39.9
2.00	-136.0	38.6
1.50	-159.5	23.6
1.00	-160.6	1.1
0.80	-148.6	-12.0
0.60	-126.2	-22.4
0.50	-112.0	-14.2

MINERAL RESEARCH
 CANADA
 1 INDUSTRIAL BOND RD
 BARRY BOND, ONTARIO
 CANADA M2A 2W8
 FAX (705) 378-2115
 BUS (705) 378-2416
 DATE *[Signature]*

SAMPLE DIRECTORY/NUMBER: DATA5 /354
SAMPLE ID: Hole 89-8 # 861
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 10:32:09 08/27/91
REPT 10:50:27 08/27/91
TOT RUN TIME 0:05:16
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7283 cp

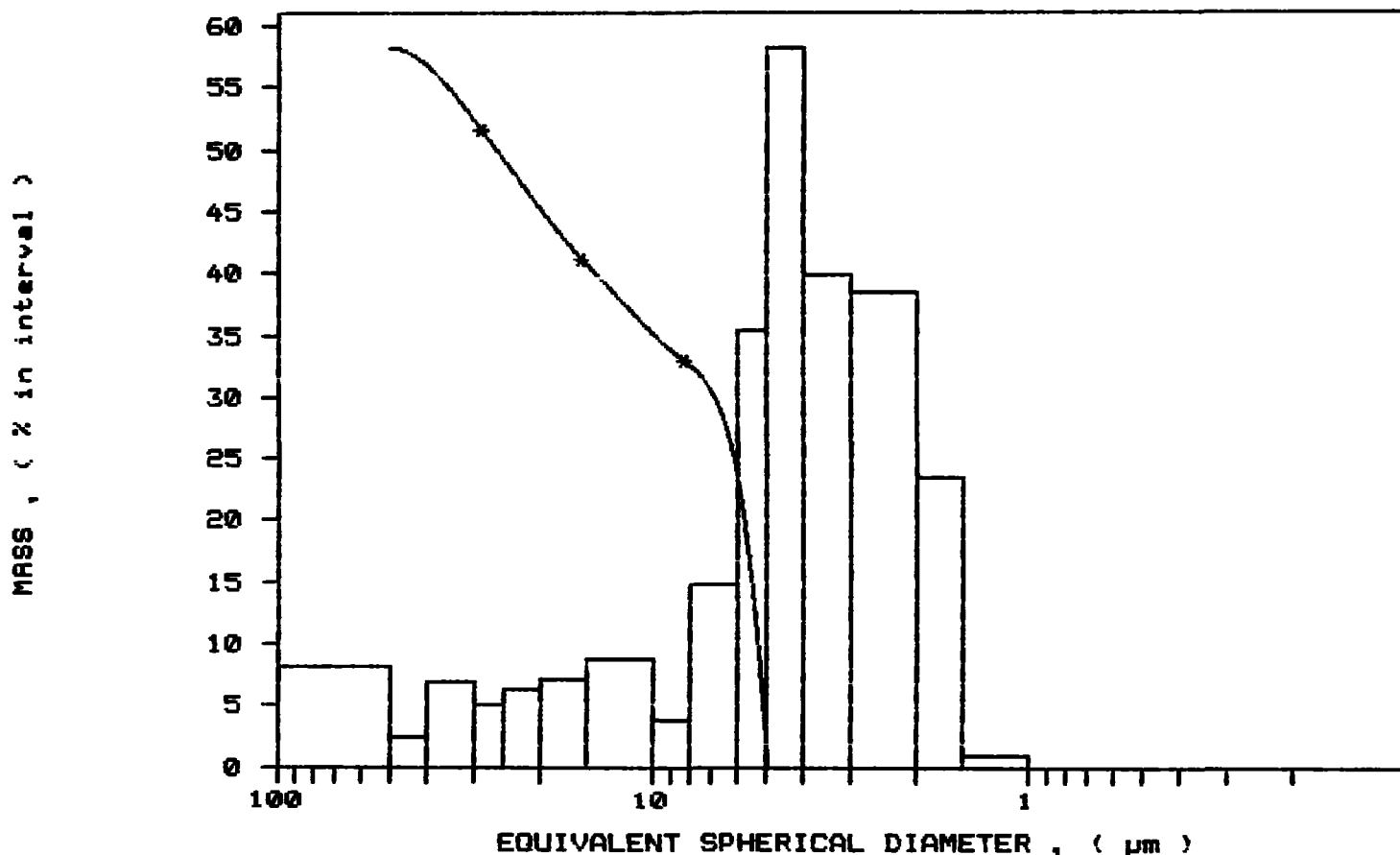
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATAS /354
SAMPLE ID: Hole 89-8 # 861
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 10:32:09 08/27/91
REPT 10:50:27 08/27/91
TOT RUN TIME 0:05:16
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7283 cp

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



SAMPLE DIRECTORY/NUMBER: DATAS /355
 SAMPLE ID: Hole 89-8 # 862
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 10:56:27 08/27/91
 REPRT 11:17:03 08/27/91
 TOT RUN TIME 0:07:02
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7277 cp

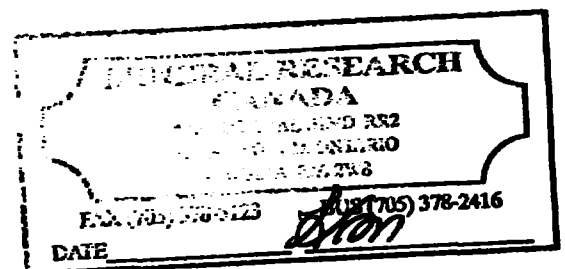
STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 4.41 μ m MODAL DIAMETER: 2.76 μ m

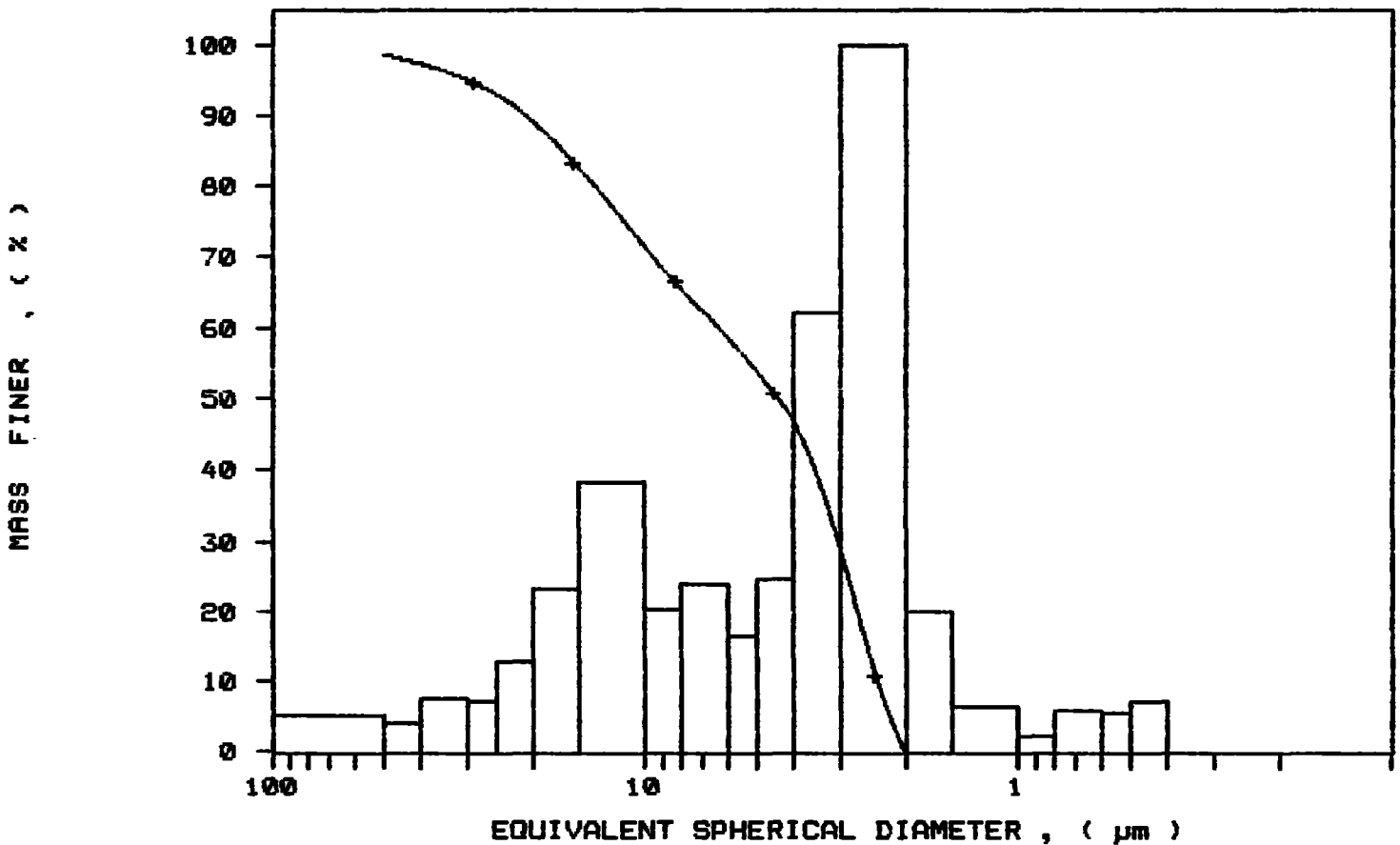
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.5	1.5
40.00	97.3	1.3
30.00	95.0	2.2
25.00	92.9	2.1
20.00	89.1	3.8
15.00	82.4	6.7
10.00	71.3	11.1
8.00	65.4	5.9
6.00	58.5	6.9
5.00	53.7	4.8
4.00	46.5	7.2
3.00	28.6	18.0
2.00	-0.3	28.8
1.50	-6.1	5.8
1.00	-8.0	1.9
0.80	-8.6	0.7
0.60	-10.4	1.8
0.50	-12.1	1.6
0.40	-14.2	2.1



SAMPLE DIRECTORY/NUMBER: DATA5 /355
SAMPLE ID: Hole 89-8 # 862
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 10:56:27 08/27/91
REPT 11:17:03 08/27/91
TOT RUN TIME 0:07:02
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7277 cp

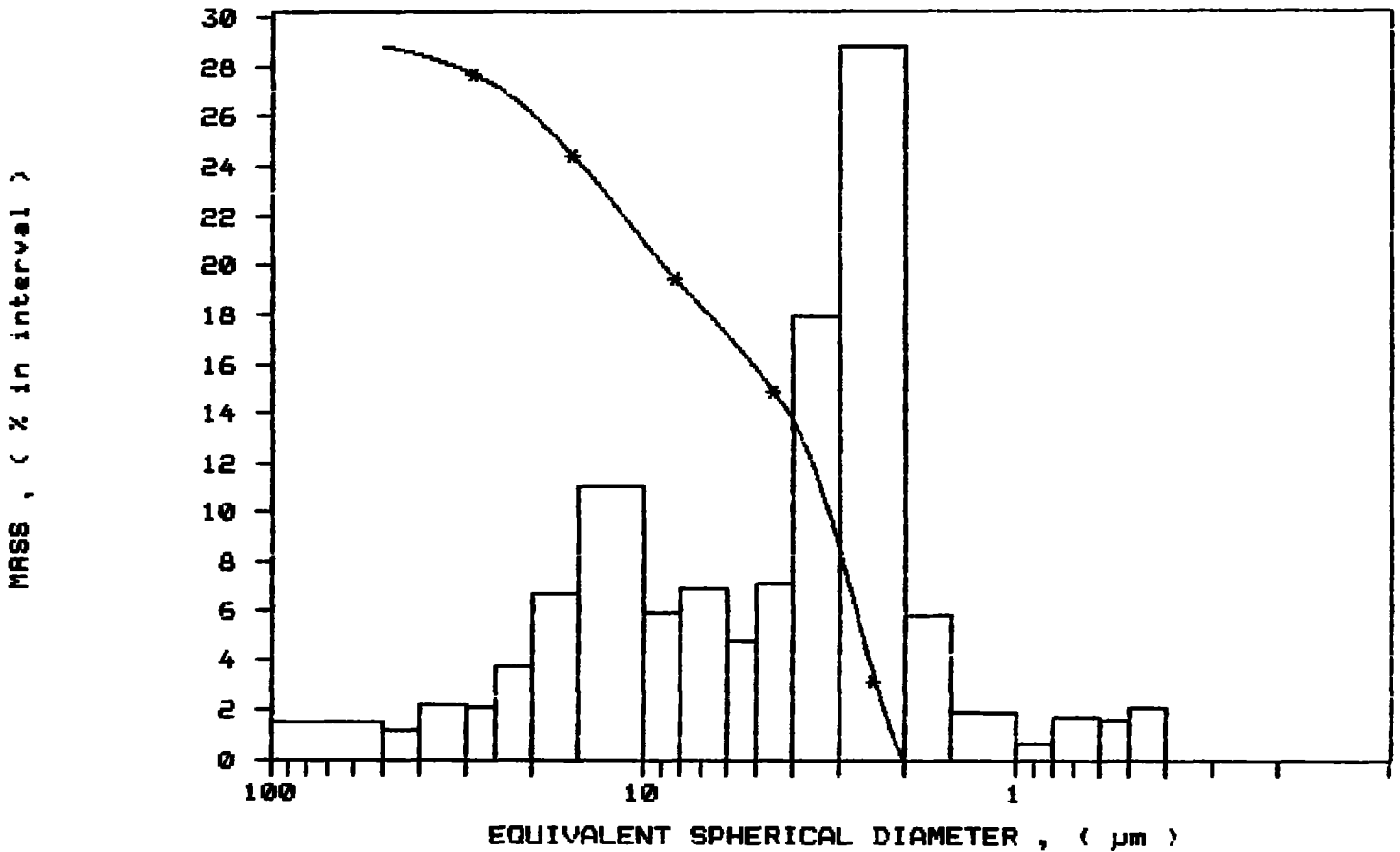
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /355
SAMPLE ID: Hole 89-8 # 862
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 10:56:27 08/27/91
REPR: 11:17:03 08/27/91
TOT RUN TIME 0:07:02
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7277 cp

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



SAMPLE DIRECTORY/NUMBER: DATA5 /356
 SAMPLE ID: Hole 89-8 # 863
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 11:14:59 08/27/91
 REPT 11:34:35 08/27/91
 TOT RUN TIME 0:06:58
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7279 cp

STARTING DIAMETER: 50.00 µm
 ENDING DIAMETER: 0.40 µm

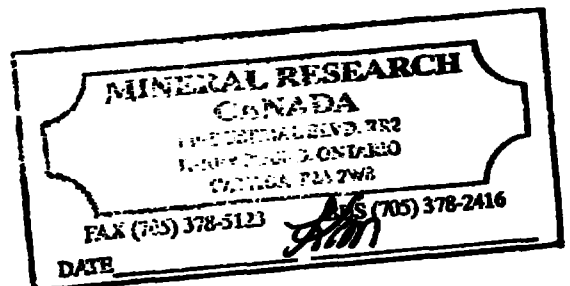
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.93 µm

MODAL DIAMETER: 2.30 µm

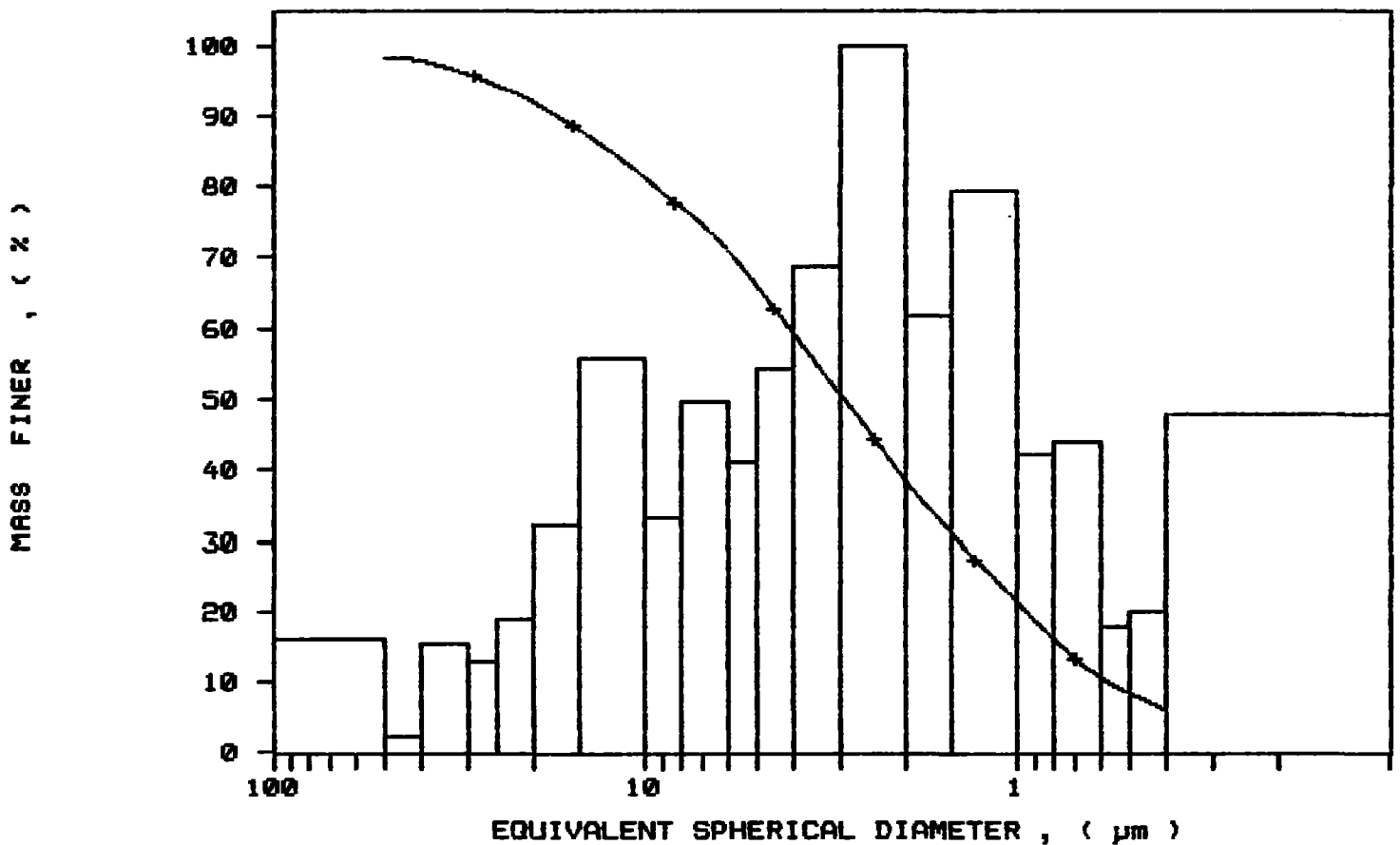
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.0	2.0
40.00	97.7	0.3
30.00	95.8	1.9
25.00	94.2	1.6
20.00	91.8	2.3
15.00	87.9	3.9
10.00	81.0	6.8
8.00	77.0	4.1
6.00	70.9	6.1
5.00	65.8	5.1
4.00	59.1	6.7
3.00	50.7	8.4
2.00	38.5	12.2
1.50	30.9	7.6
1.00	21.2	9.7
0.80	16.0	5.2
0.60	10.6	5.4
0.50	8.3	2.2
0.40	5.9	2.5



SAMPLE DIRECTORY/NUMBER: DATAS /356
SAMPLE ID: Hole 89-8 # 863
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 11:14:59 08/27/91
REPT 11:34:35 08/27/91
TOT RUN TIME 0:06:58
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7279 cp

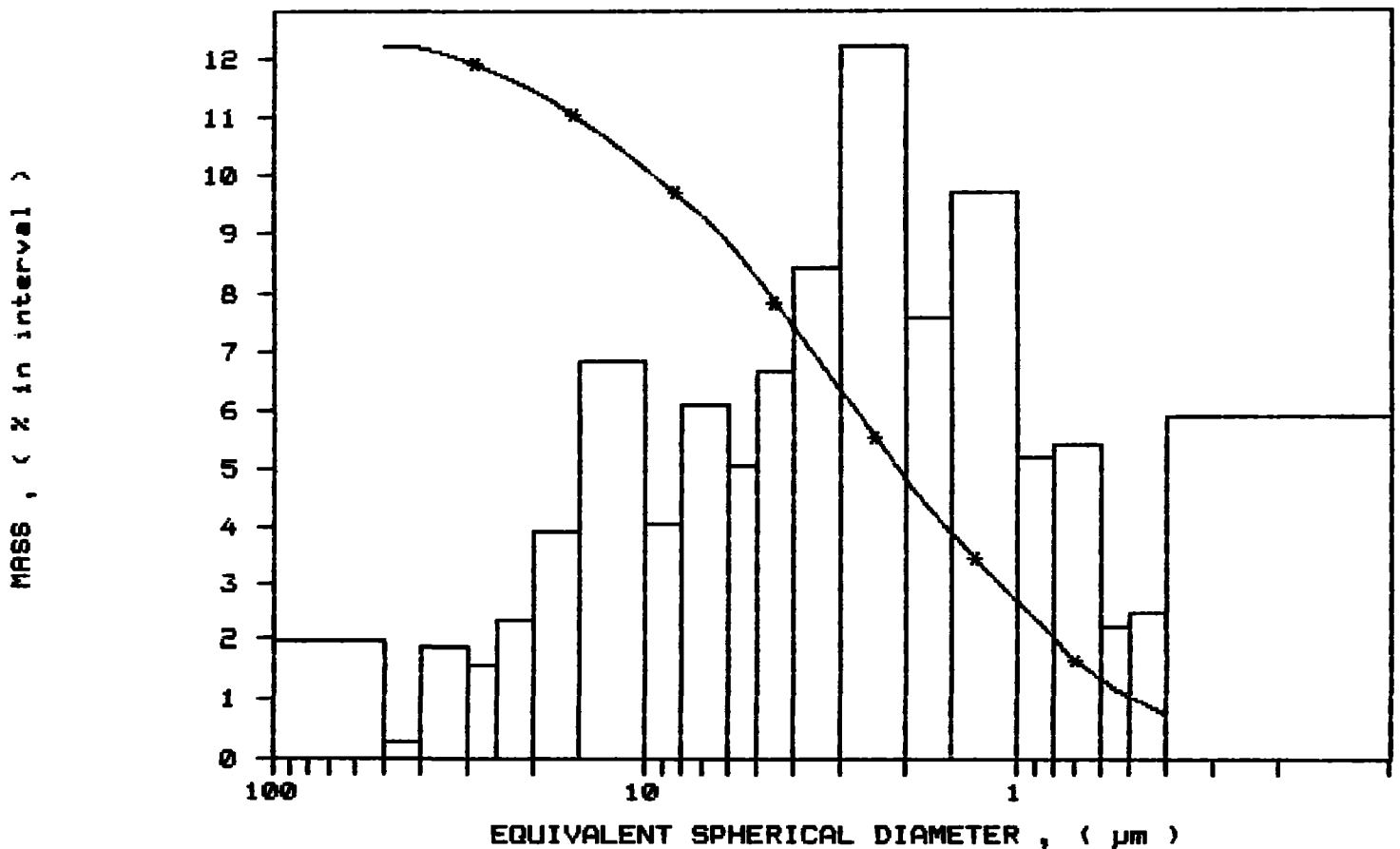
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /356
SAMPLE ID: Hole 89-8 # 863
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 11:14:59 08/27/91
REPT 11:34:35 08/27/91
TOT RUN TIME 0:06:58
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7279 cp

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



Hole 89-8 # 864

PAGE 1

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SAMPLE DIRECTORY/NUMBER: DATAS /357
 SAMPLE ID: Hole 89-8 # 864
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 11:45:25 08/27/91
 REPT 12:06:24 08/27/91
 TOT RUN TIME 0:06:59
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7277 cp

STARTING DIAMETER: 50.00 µm
 ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 6.20 µm

MODAL DIAMETER: 3.39 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.9	2.1
40.00	97.8	0.1
30.00	94.8	3.0
25.00	91.6	3.2
20.00	86.2	5.4
15.00	76.8	9.3
10.00	64.5	12.4
8.00	57.7	6.7
6.00	49.0	8.7
5.00	43.6	5.4
4.00	37.1	6.5
3.00	27.6	9.5
2.00	19.0	8.6
1.50	15.2	3.7
1.00	11.3	4.0
0.80	9.3	2.0
0.60	6.1	3.2
0.50	4.4	1.7
0.40	2.4	2.0

**MINERAL RESEARCH
CANADA**

1 INDUSTRIAL BLVD. RS2
PALMY COUND, ONTARIO
CANADA P2A 2W8

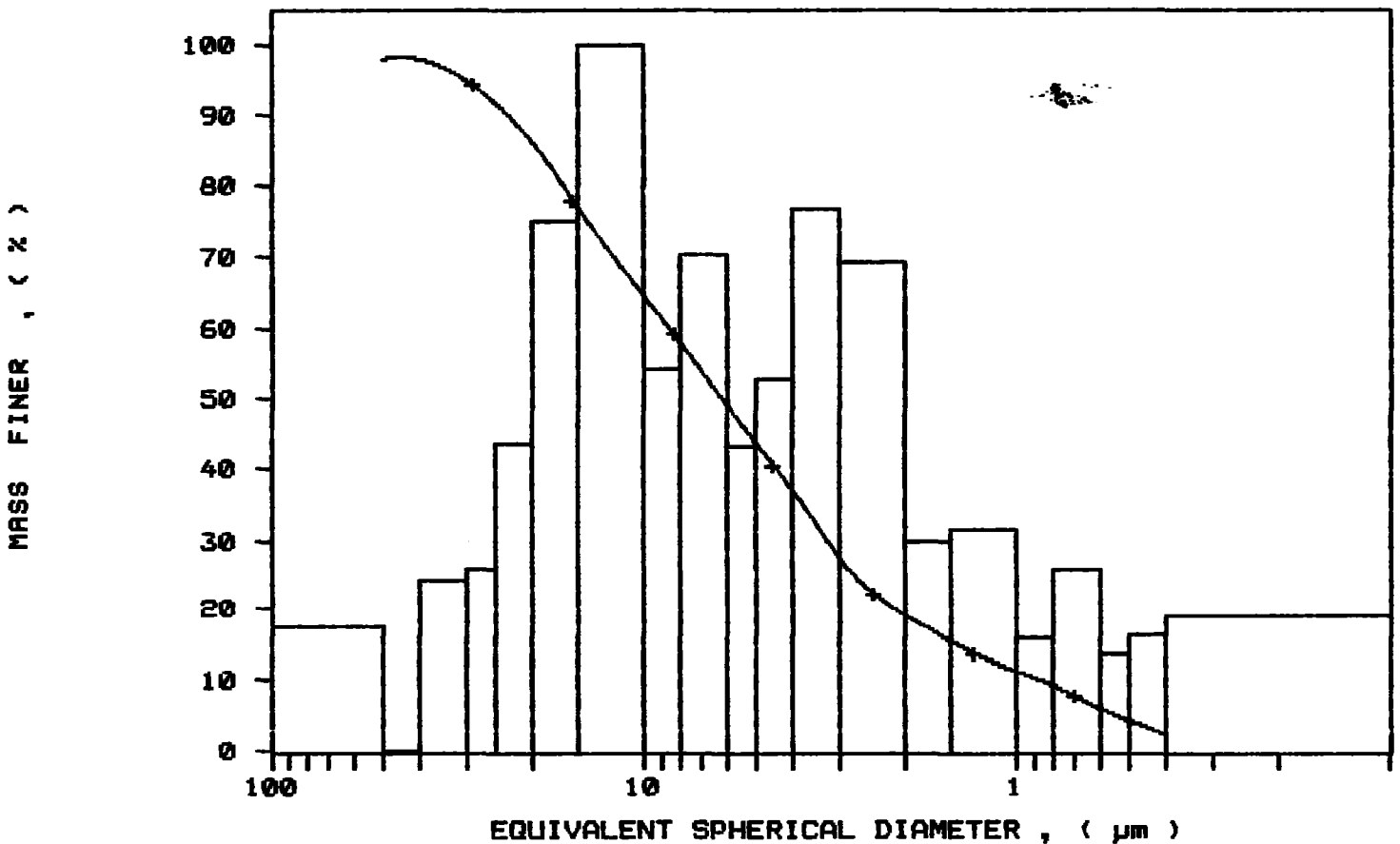
FAX (705) 378-5123 TEL (705) 378-2416

DATE *[Signature]*

SAMPLE DIRECTORY/NUMBER: DATA5 /357
SAMPLE ID: Hole 89-8 # 864
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 11:45:25 08/27/91
REPT 12:06:24 08/27/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7277 cp

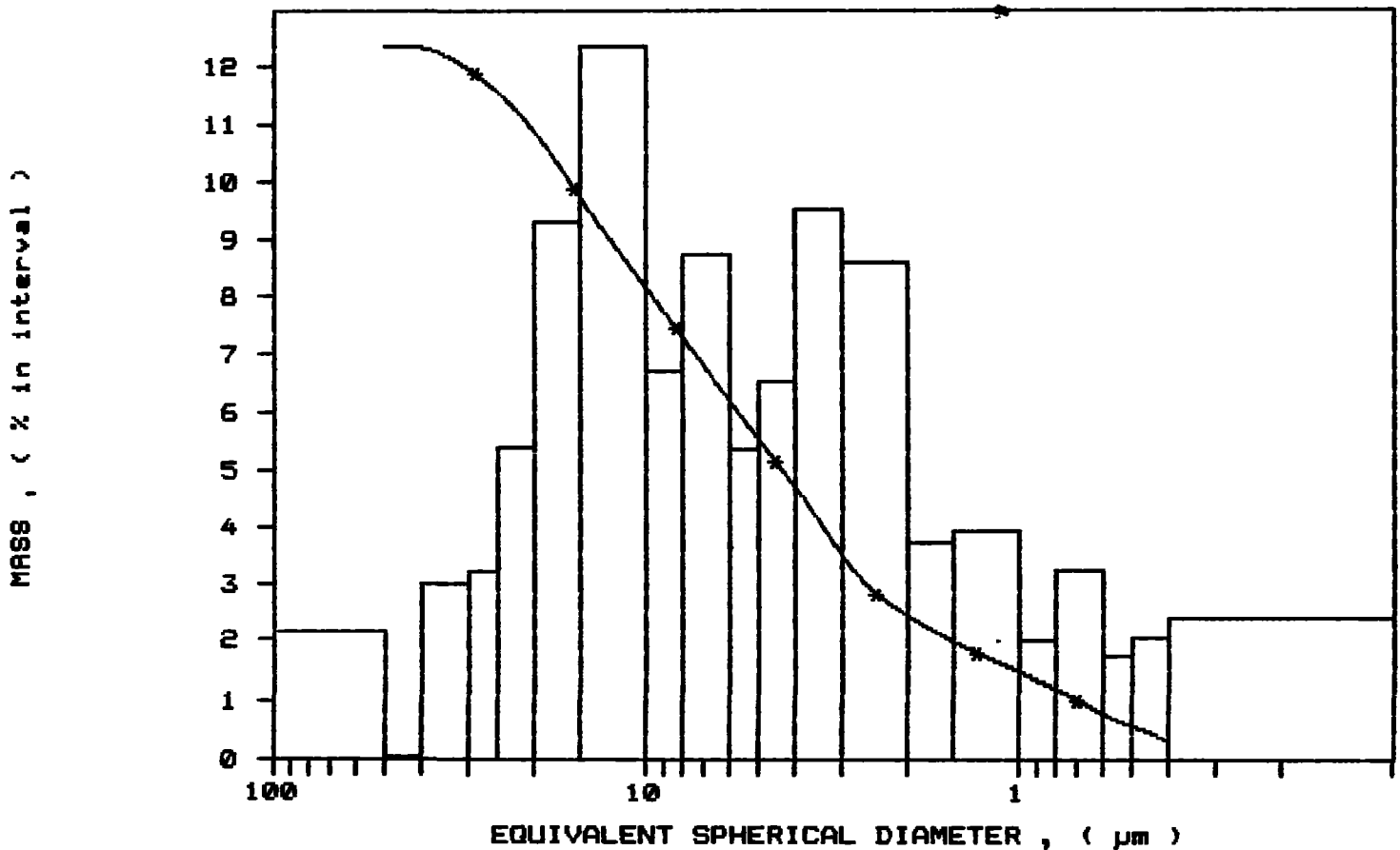
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATAS /357
SAMPLE ID: Hole 89-8 # 864
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 11:45:25 08/27/91
REPR 12:06:24 08/27/91
TOT RUN TIME 0:06:59
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7277 cp

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



SAMPLE DIRECTORY/NUMBER: DATA5 /358
 SAMPLE ID: Hole 89-8 # 865
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 12:04:22 08/27/91
 REPT 12:25:38 08/27/91
 TOT RUN TIME 0:07:38
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7276 cp

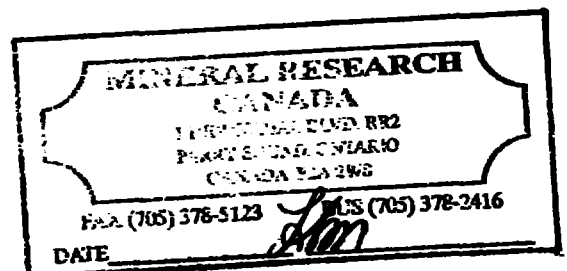
STARTING DIAMETER: 50.00 µm
 ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 4.78 µm MODAL DIAMETER: 5.22 µm

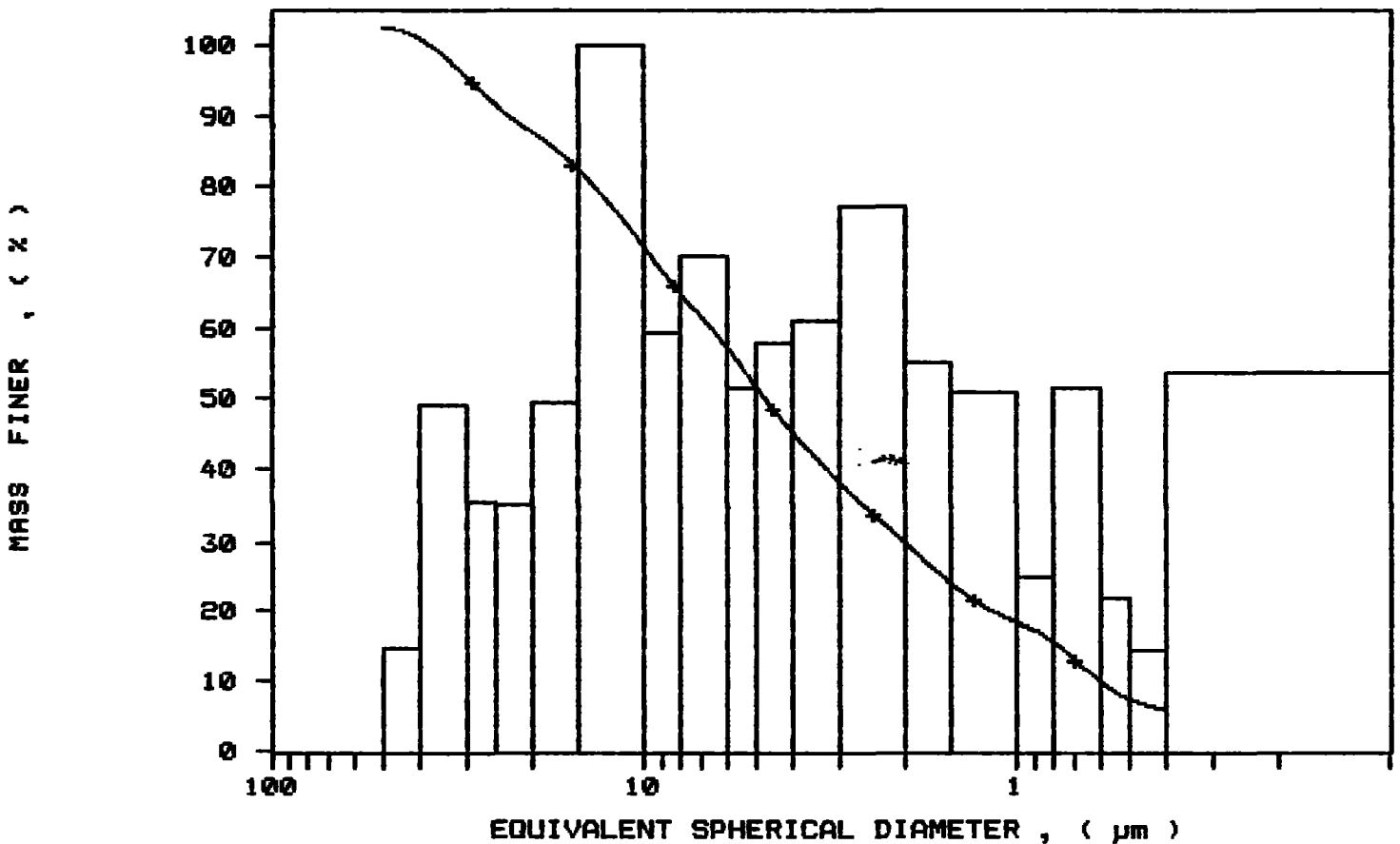
DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	102.4	-2.4
40.00	100.8	1.6
30.00	95.4	5.4
25.00	91.5	3.9
20.00	87.6	3.9
15.00	82.2	5.4
10.00	71.2	10.9
8.00	64.7	6.5
6.00	57.0	7.7
5.00	51.4	5.6
4.00	45.0	6.4
3.00	38.4	6.7
2.00	29.9	8.5
1.50	23.8	6.0
1.00	18.3	5.6
0.80	15.5	2.8
0.60	9.9	5.7
0.50	7.5	2.4
0.40	5.9	1.6



SAMPLE DIRECTORY/NUMBER: DATA5 /358
SAMPLE ID: Hole 89-8 # 865
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 12:04:22 08/27/91
REPRT 12:25:38 08/27/91
TOT RUN TIME 0:07:38
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7276 cp

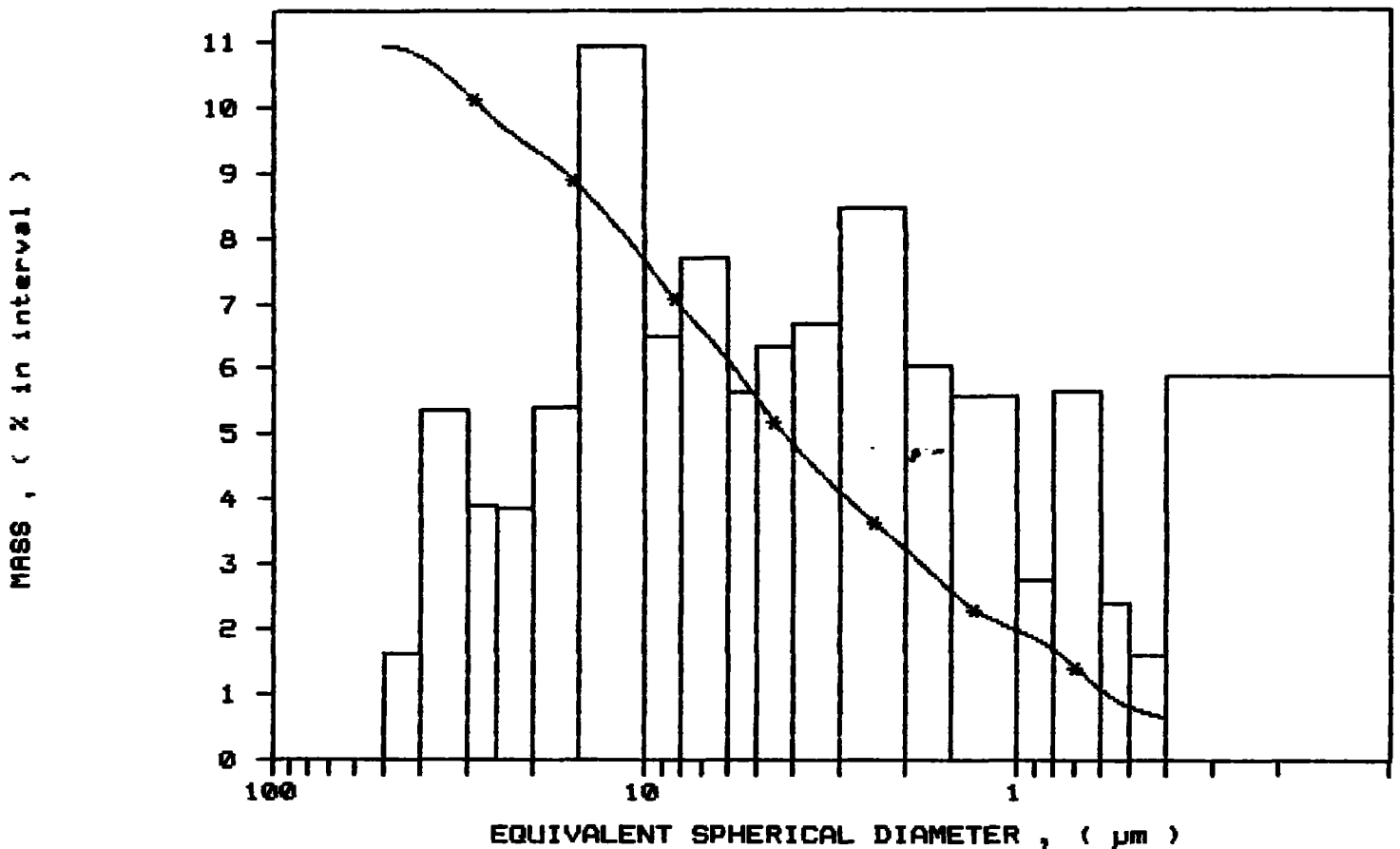
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /358
SAMPLE ID: Hole 89-8 # 865
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 12:04:22 08/27/91
REPT 12:25:38 08/27/91
TOT RUN TIME 0:07:38
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7276 cp

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



Hole 89-8 # 866

SediGraph 5100 V2.03

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /359
 SAMPLE ID: Hole 89-8 # 866
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 12:23:17 08/27/91
 REPRT 12:43:54 08/27/91
 TOT RUN TIME 0:07:03
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7276 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

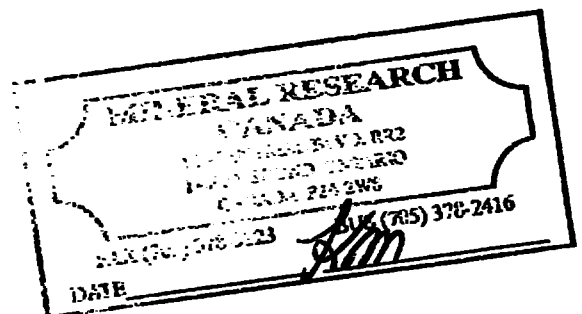
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 4.06 μ m

MODAL DIAMETER: 5.03 μ m

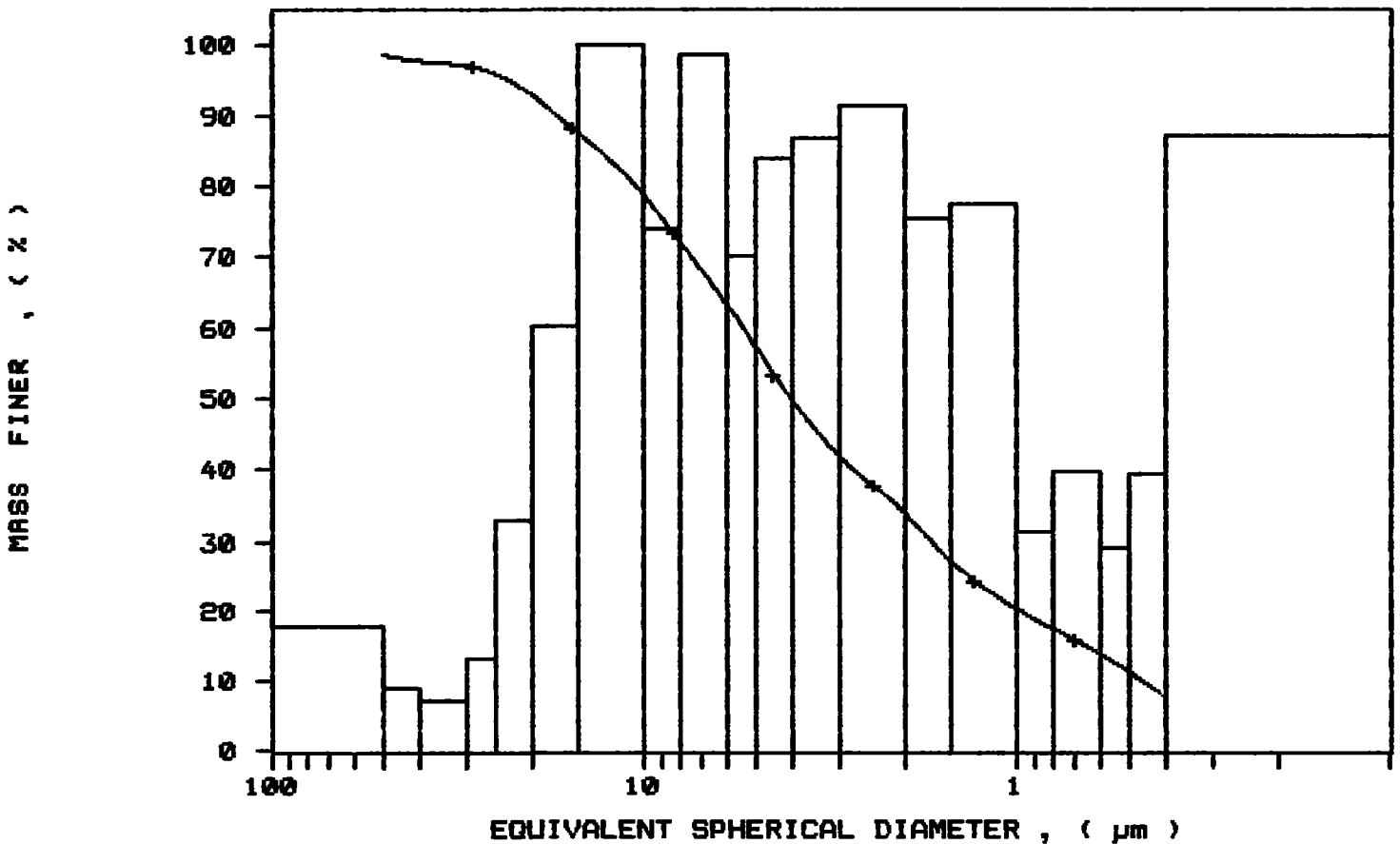
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.4	1.6
40.00	97.6	0.8
30.00	96.9	0.7
25.00	95.8	1.2
20.00	92.8	3.0
15.00	87.5	5.3
10.00	78.6	8.9
8.00	72.0	6.6
6.00	63.3	8.7
5.00	57.0	6.2
4.00	49.6	7.5
3.00	41.9	7.7
2.00	33.8	8.1
1.50	27.1	6.7
1.00	20.2	6.9
0.80	17.4	2.8
0.60	13.8	3.5
0.50	11.2	2.6
0.40	7.7	3.5



SAMPLE DIRECTORY/NUMBER: DATA5 /359
SAMPLE ID: Hole 89-8 # 866
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 12:23:17 08/27/91
REPT 12:43:54 08/27/91
TOT RUN TIME 0:07:03
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7276 cp

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



SAMPLE DIRECTORY/NUMBER: DATA5 /359

SAMPLE ID: Hole 89-8 # 866

SUBMITTER: # 39

OPERATOR: KM

SAMPLE TYPE: Clay

LIQUID TYPE: Water

ANALYSIS TEMP: 34.6 deg C

RUN TYPE: High Speed

UNIT NUMBER: 1

START 12:23:17 08/27/91

REPT 12:43:54 08/27/91

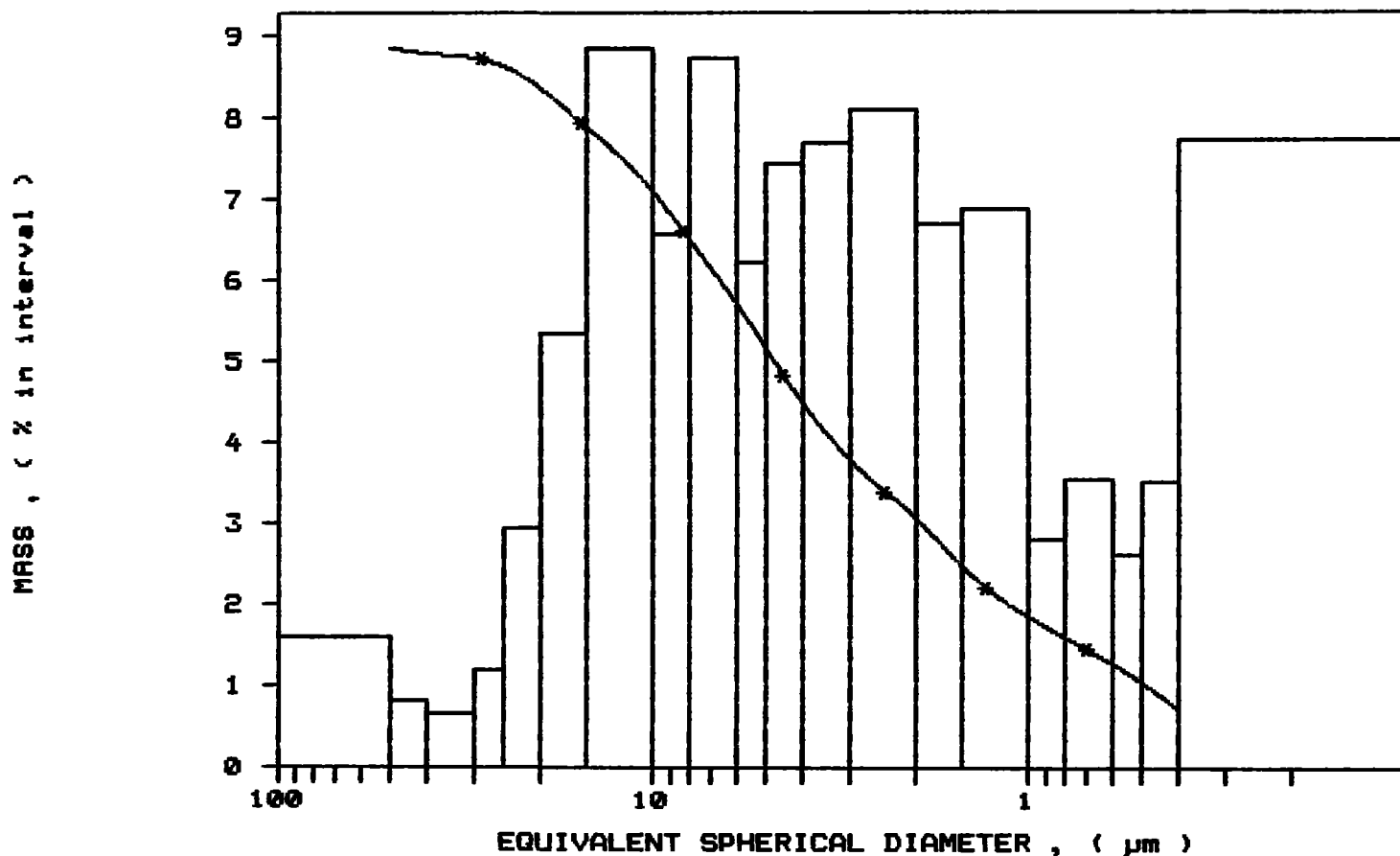
TOT RUN TIME 0:07:03

SAM DENS: 2.6000 g/cc

LIQ DENS: 0.9942 g/cc

LIQ VISC: 0.7276 cp

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



Hole 89-8 # 867

SediGraph 5100 V2.03

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATAS /360
 SAMPLE ID: Hole 89-8 # 867
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 12:41:57 08/27/91
 REPT 13:02:49 08/27/91
 TOT RUN TIME 0:07:17
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7275 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

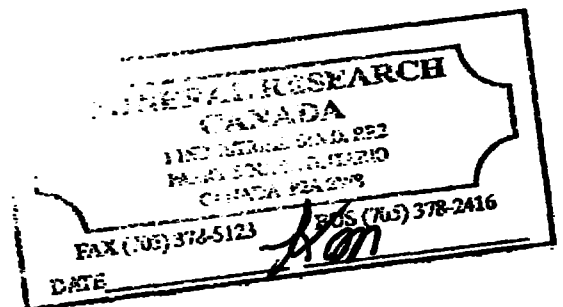
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.58 μ m

MODAL DIAMETER: 2.30 μ m

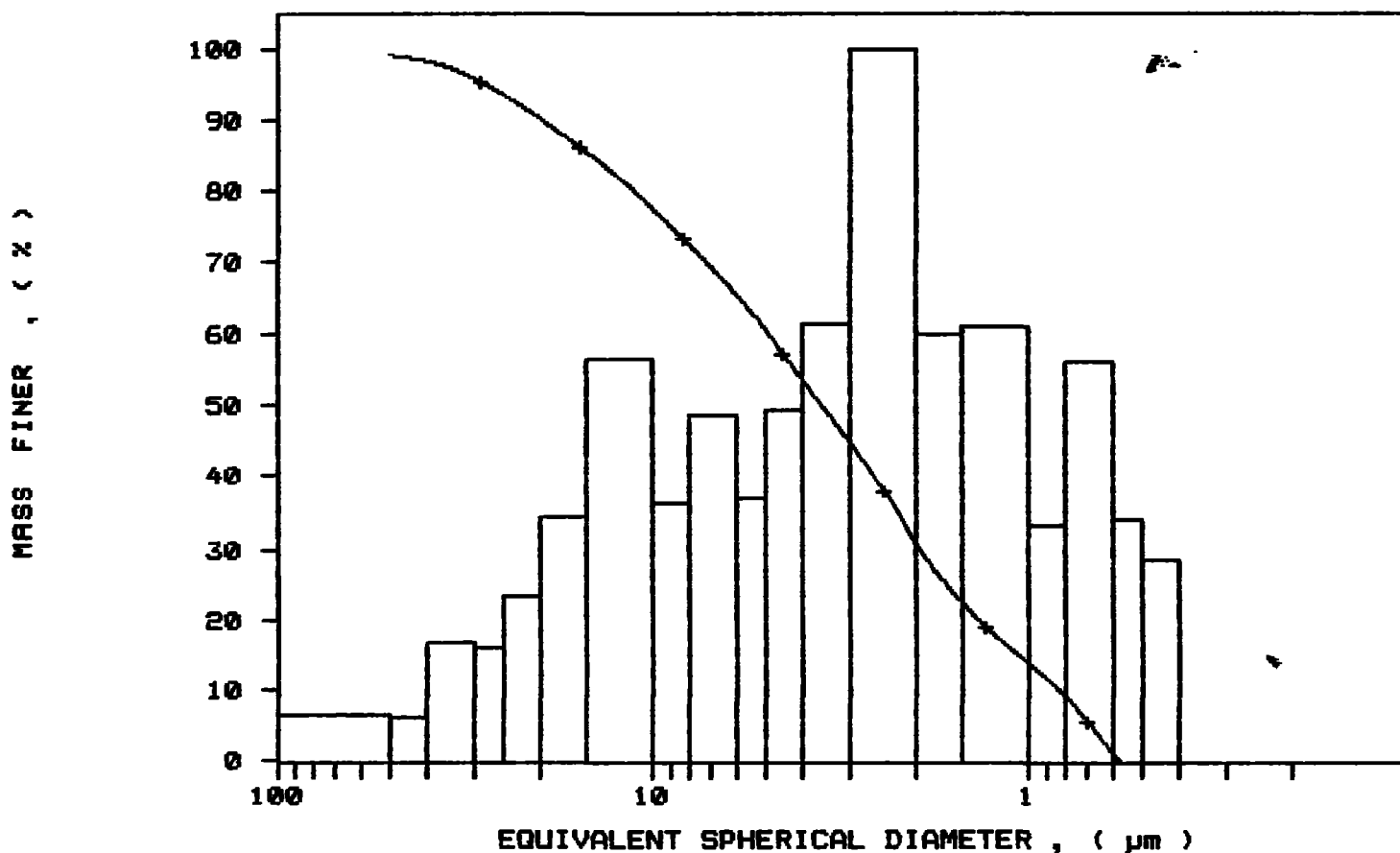
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.1	0.9
40.00	98.2	0.9
30.00	95.8	2.4
25.00	93.5	2.3
20.00	90.2	3.3
15.00	85.4	4.8
10.00	77.4	8.0
8.00	72.4	5.1
6.00	65.5	6.8
5.00	60.4	5.2
4.00	53.4	7.0
3.00	44.8	8.6
2.00	30.7	14.0
1.50	22.2	8.5
1.00	13.7	8.6
0.80	9.0	4.7
0.60	1.1	7.9
0.50	-3.7	4.8
0.40	-7.7	4.0



SAMPLE DIRECTORY/NUMBER: DATAS /360
SAMPLE ID: Hole 89-8 # 867
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 12:41:57 08/27/91
REPT 13:02:49 08/27/91
TOT RUN TIME 0:07:17
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7275 cp

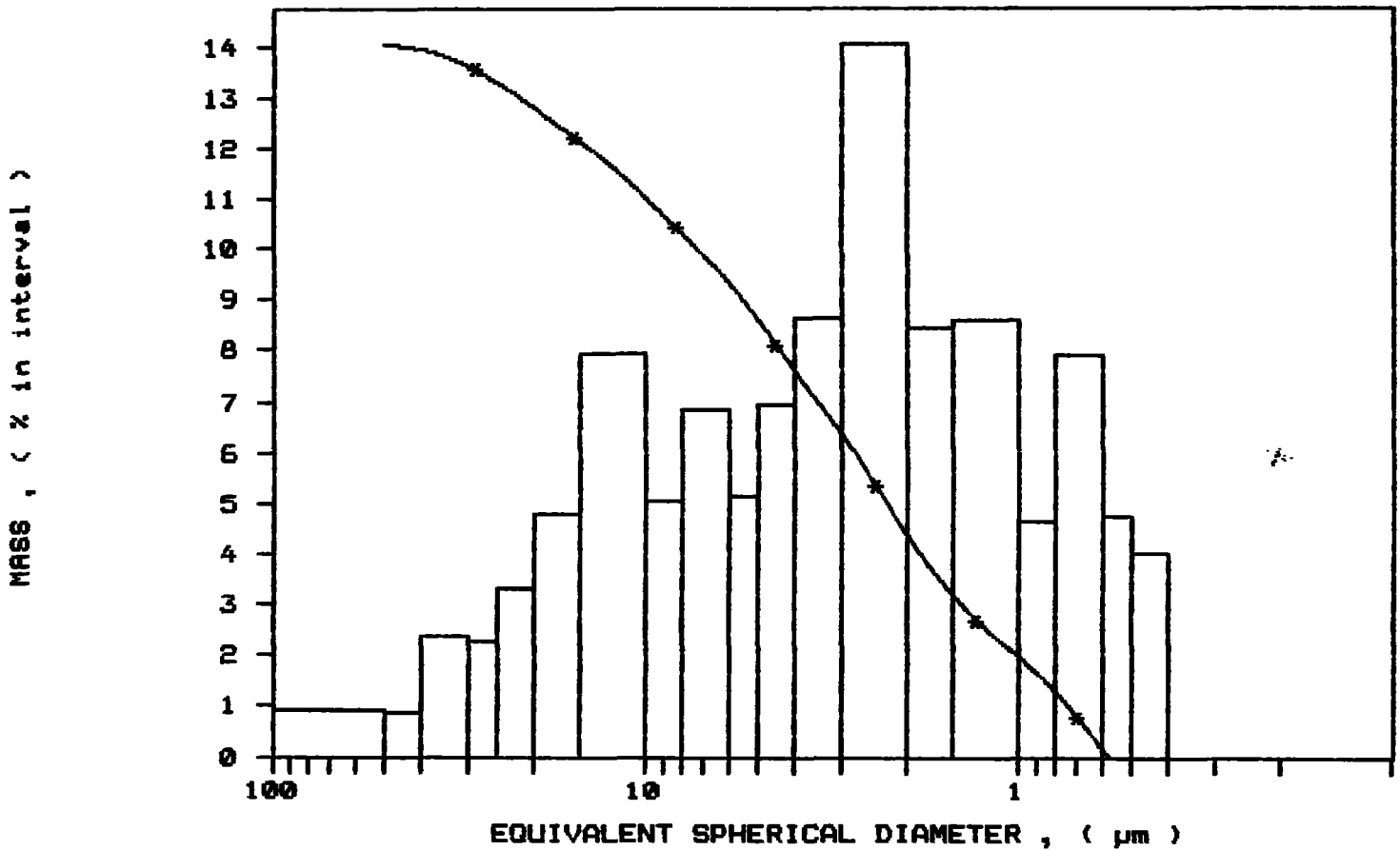
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /360
SAMPLE ID: Hole 89-8 # 867
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 12:41:57 08/27/91
REPRT 13:02:49 08/27/91
TOT RUN TIME 0:07:17
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7275 cp

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



Hole 89-8 # 868

SediGraph 5100 V2.03

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATAS /361
 SAMPLE ID: Hole 89-8 # 868
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 13:00:11 08/27/91
 REPT 13:20:53 08/27/91
 TOT RUN TIME 0:07:15
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7275 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.89 μ m

MODAL DIAMETER: 5.86 μ m

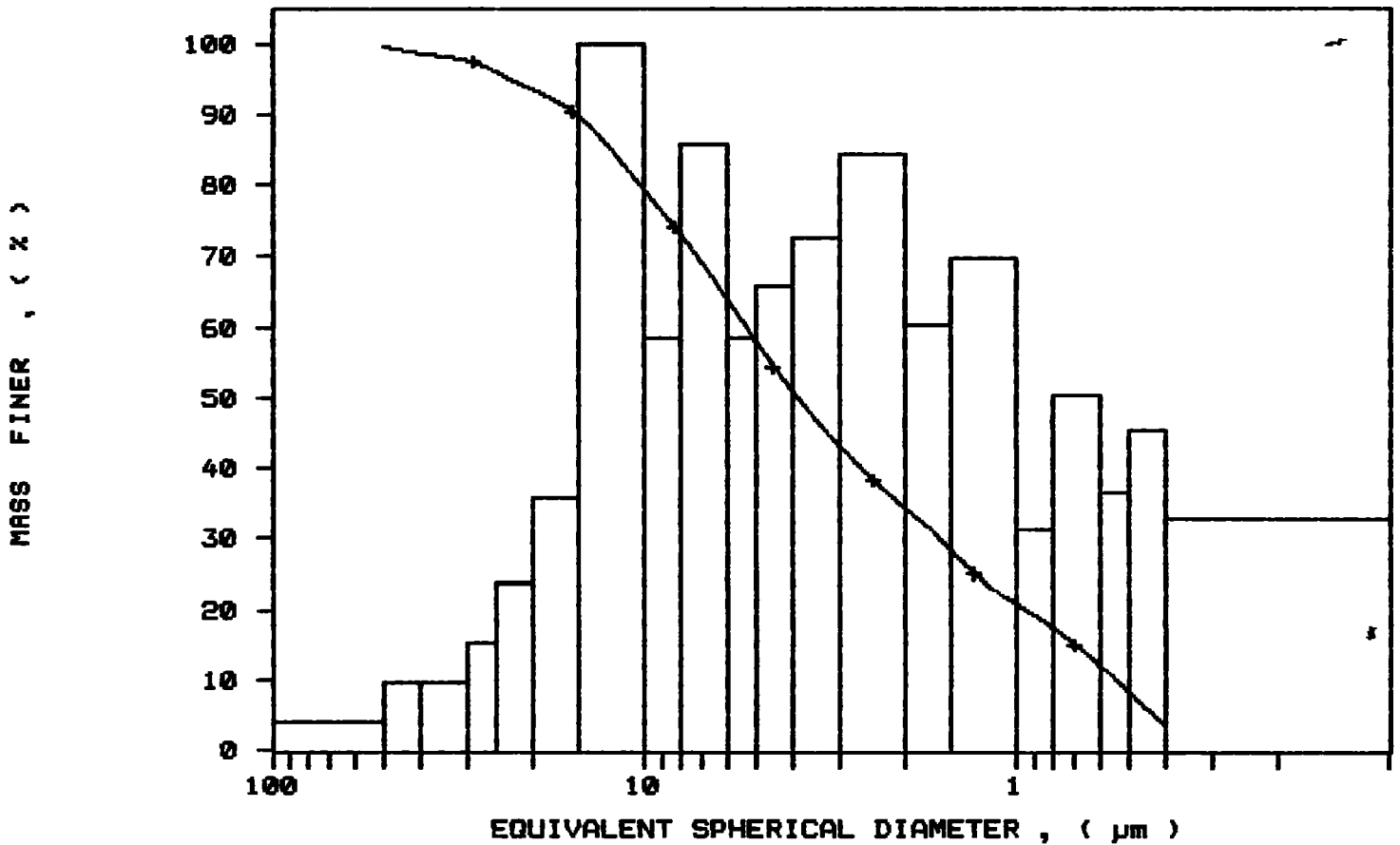
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	99.6	0.4
40.00	98.5	1.0
30.00	97.5	1.0
25.00	95.9	1.6
20.00	93.4	2.5
15.00	89.6	3.8
10.00	79.1	10.5
8.00	72.9	6.2
6.00	63.9	9.0
5.00	57.8	6.2
4.00	50.8	6.9
3.00	43.2	7.7
2.00	34.3	8.8
1.50	28.0	6.3
1.00	20.7	7.3
0.80	17.4	3.3
0.60	12.1	5.3
0.50	8.2	3.9
0.40	3.5	4.8



SAMPLE DIRECTORY/NUMBER: DATA5 /361
SAMPLE ID: Hole 89-8 # 868
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 13:00:11 08/27/91
REPT 13:20:53 08/27/91
TOT RUN TIME 0:07:15
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7275 cp

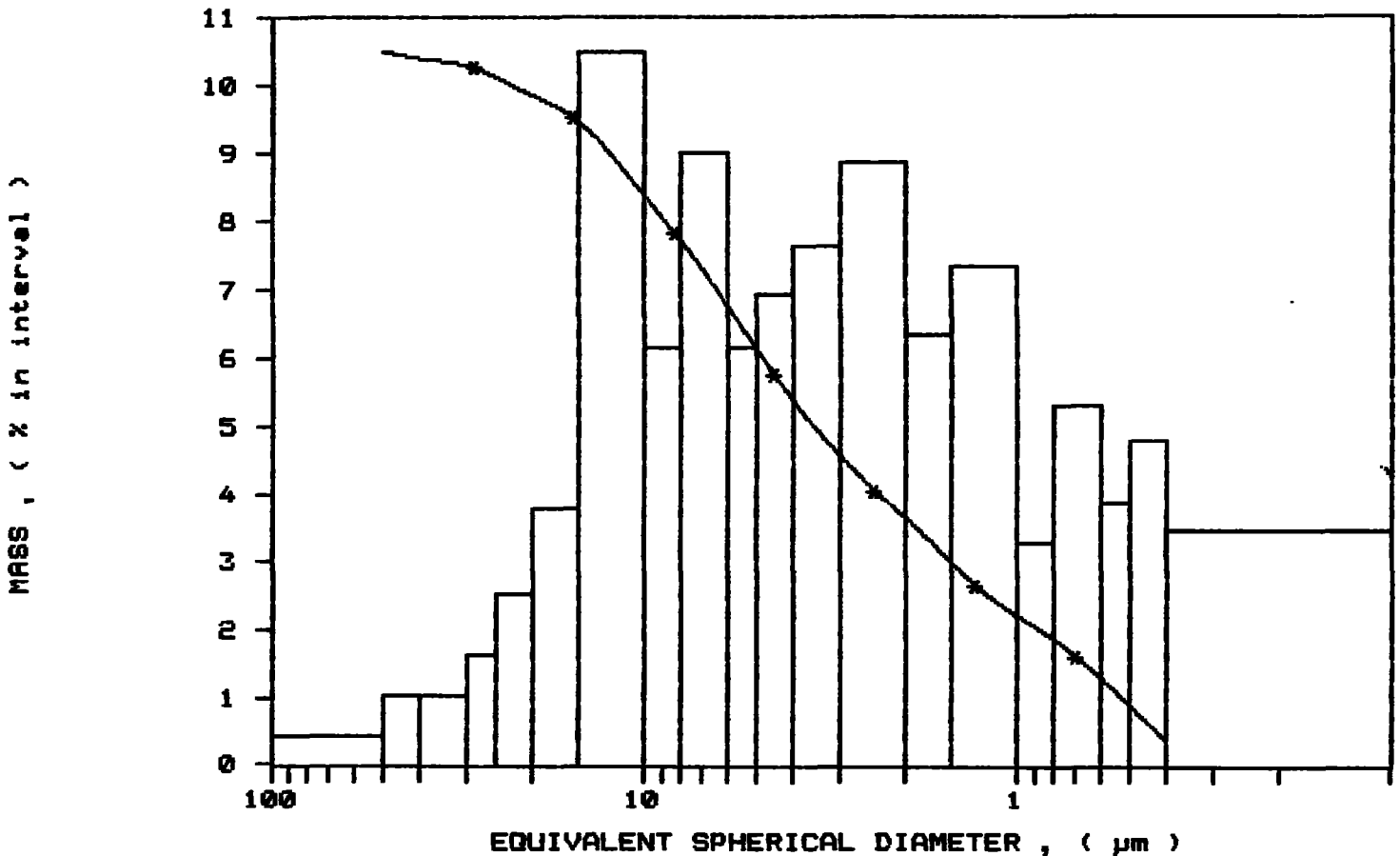
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATAS /361
SAMPLE ID: Hole 89-8 # 868
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 13:00:11 08/27/91
REPRT 13:20:53 08/27/91
TOT RUN TIME 0:07:15
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7275 cp

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



Hole 89-8 # 869

SediGraph 5100 V2.03

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATAS /362
 SAMPLE ID: Hole 89-8 # 869
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 13:18:41 08/27/91
 REPT 13:38:43 08/27/91
 TOT RUN TIME 0:07:24
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7274 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 5.39 μ m

MODAL DIAMETER: 5.50 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	96.9	3.1
40.00	97.2	-0.3
30.00	94.6	2.5
25.00	92.1	2.6
20.00	88.3	3.7
15.00	82.0	6.4
10.00	70.3	11.6
8.00	63.2	7.1
6.00	53.7	9.5
5.00	47.4	6.4
4.00	40.5	6.9
3.00	33.4	7.1
2.00	25.6	7.8
1.50	20.7	4.9
1.00	14.2	6.6
0.80	10.8	3.4
0.60	6.0	4.7
0.50	2.0	4.0
0.40	-1.6	3.6

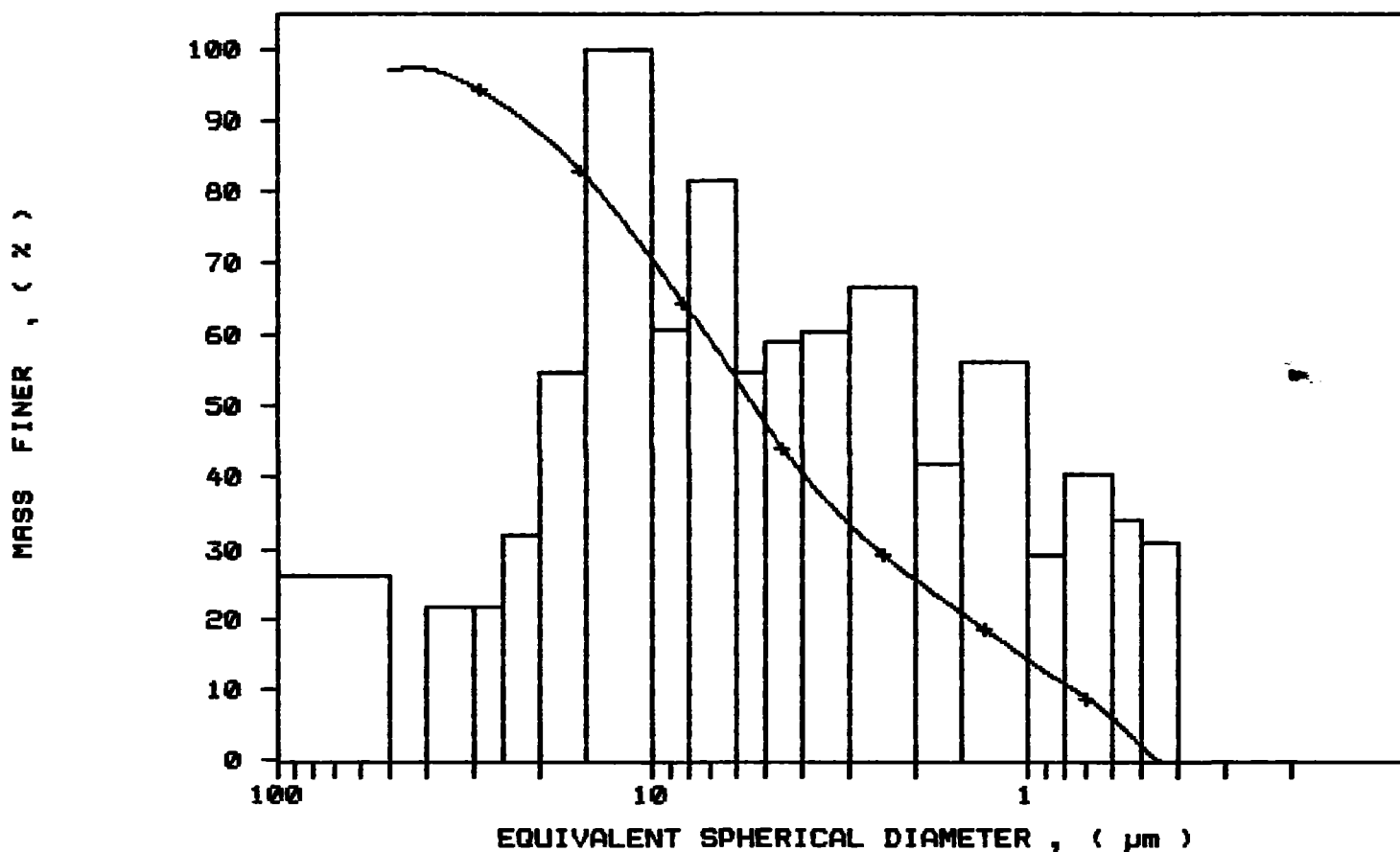
MINERAL RESEARCH
 CANADA
 1100 AVENUE DENVER
 BURLINGTON, ONTARIO
 CANADA P6A 2V8

FAX (765) 378-5123 BUS (705) 378-2416
 DATE *AM*

SAMPLE DIRECTORY/NUMBER: DATA5 /362
SAMPLE ID: Hole 89-8 # 869
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 13:18:41 08/27/91
REPT 13:38:43 08/27/91
TOT RUN TIME 0:07:24
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7274 cp

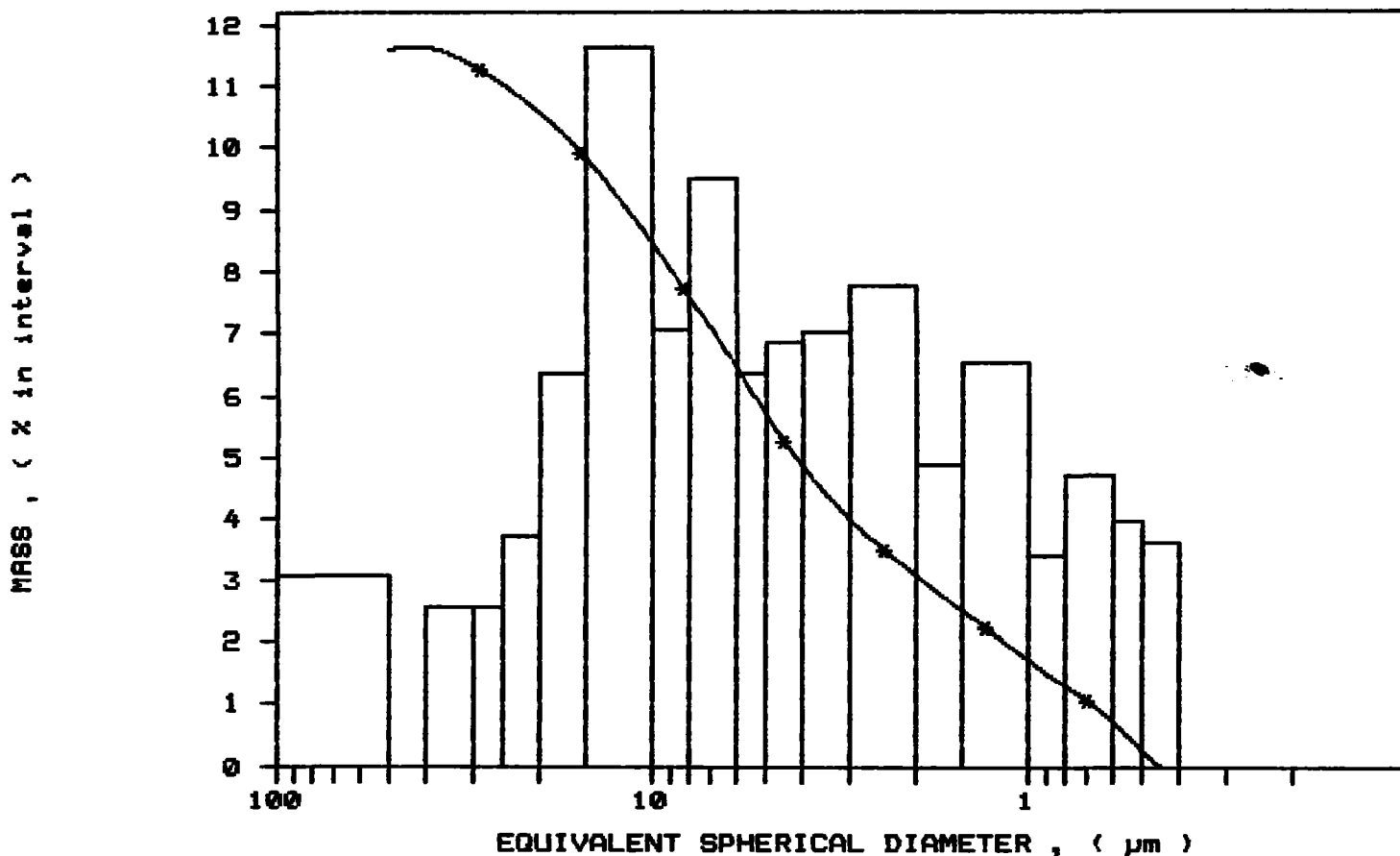
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATAS /362
 SAMPLE ID: Hole 89-8 # 869
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
 START 13:18:41 08/27/91
 REPT 13:38:43 08/27/91
 TOT RUN TIME 0:07:24
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7274 cp

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



Hole 89-8 # 870

SediGraph 5100 V2.03

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATAS /363
 SAMPLE ID: Hole 89-8 # 870
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 11:05:08 09/03/91
 REPRY 11:25:21 09/03/91
 TOT RUN TIME 0:07:37
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7281 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

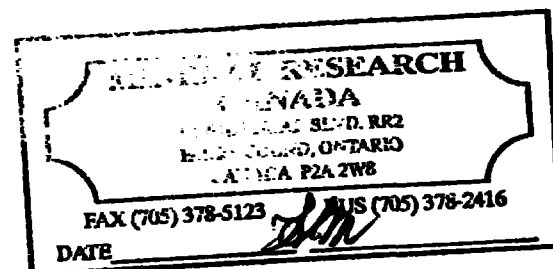
REYNOLDS NUMBER: 0.20
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 8.66 μ m

MODAL DIAMETER: 13.07 μ m

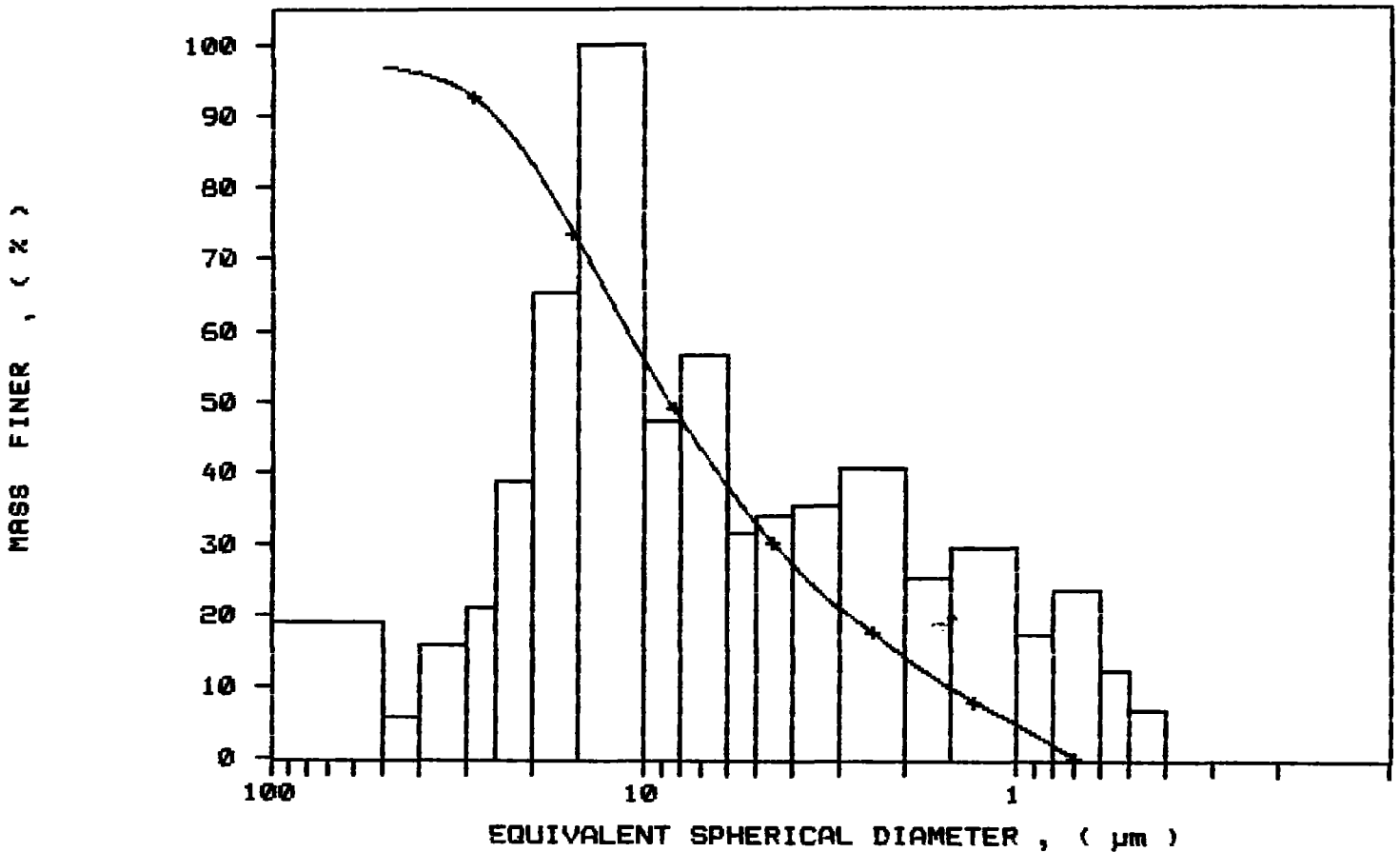
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	96.8	3.2
40.00	95.8	1.0
30.00	93.1	2.7
25.00	89.5	3.6
20.00	83.0	6.5
15.00	72.0	11.0
10.00	55.2	16.8
8.00	47.3	7.9
6.00	37.8	9.5
5.00	32.5	5.3
4.00	26.8	5.7
3.00	20.9	5.9
2.00	14.0	6.8
1.50	9.8	4.2
1.00	4.9	4.9
0.80	2.0	2.9
0.60	-1.9	3.9
0.50	-4.0	2.1
0.40	-5.1	1.2



SAMPLE DIRECTORY/NUMBER: DATA5 /363
SAMPLE ID: Hole 89-8 # 870
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 11:05:08 09/03/91
REPT 11:25:21 09/03/91
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7281 cp

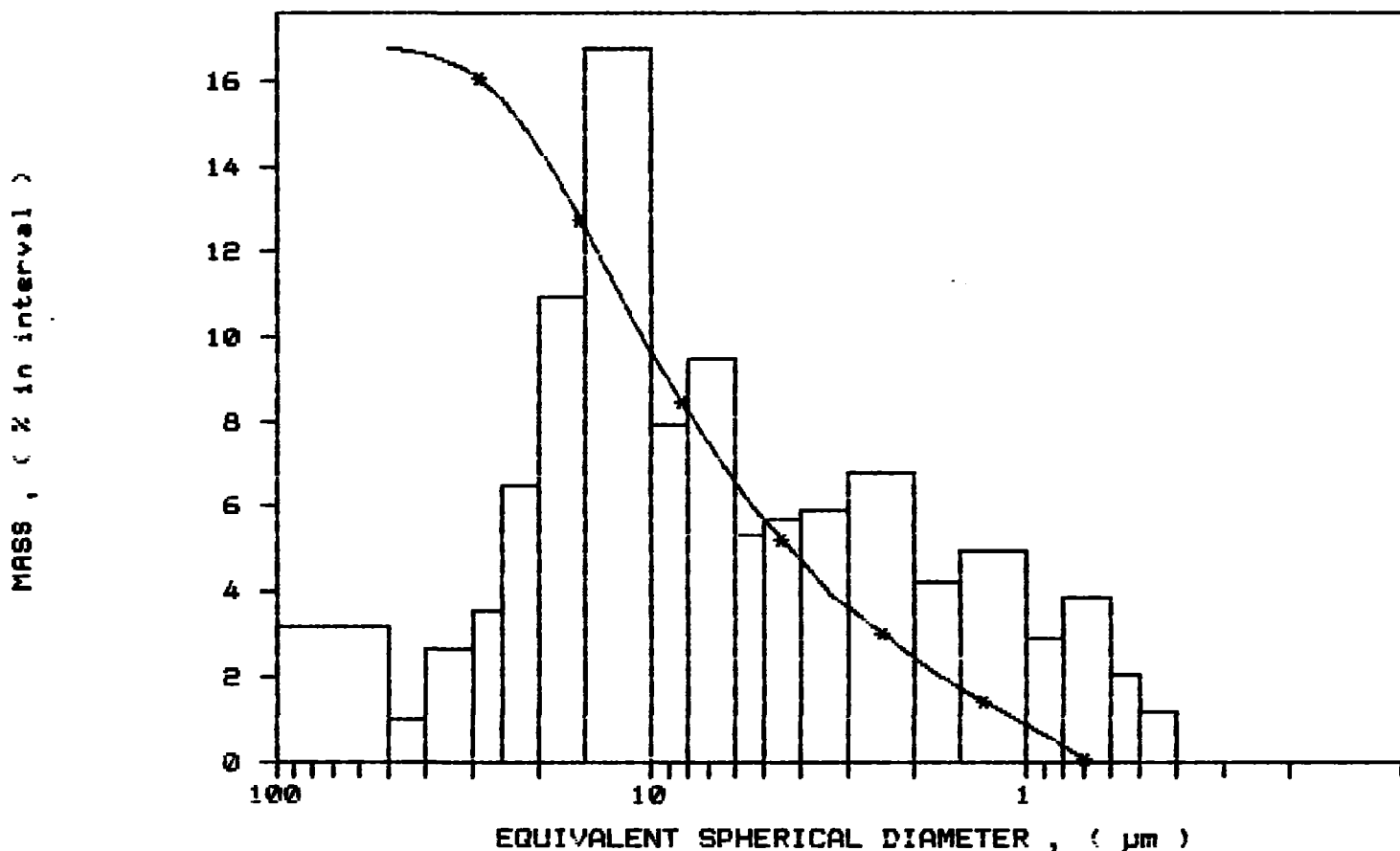
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /363
SAMPLE ID: Hole 89-8 # 870
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 11:05:08 09/03/91
REPT 11:25:21 09/03/91
TOT RUN TIME 0:07:37
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7281 cp

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



SediGraph 5100 V2.03

Hole 89-8 # 871

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATAS /364

SAMPLE ID: Hole 89-8 # 871

SUBMITTER: # 39

OPERATOR: KM

SAMPLE TYPE: Clay

LIQUID TYPE: Water

ANALYSIS TEMP: 34.6 deg C

RUN TYPE: High Speed

UNIT NUMBER: 1

START 11:39:55 09/03/91

REPRT 12:00:39 09/03/91

TOT RUN TIME 0:07:36

SAM DENS: 2.6000 g/cc

LIQ DENS: 0.9942 g/cc

LIQ VISC: 0.7279 cp

STARTING DIAMETER: 50.00 μ m

ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21

FULL SCALE MASS %: 100

MEDIAN DIAMETER: 2.61 μ m

MODAL DIAMETER: 2.12 μ m

DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	101.4	-1.4
40.00	100.0	1.4
30.00	98.2	1.8
25.00	96.6	1.6
20.00	94.1	2.5
15.00	90.1	3.9
10.00	83.5	6.6
8.00	78.8	4.7
6.00	72.4	6.4
5.00	67.7	4.7
4.00	61.8	5.9
3.00	53.9	7.9
2.00	42.0	11.9
1.50	34.1	7.9
1.00	24.7	9.5
0.80	19.8	4.9
0.60	13.1	6.7
0.50	8.9	4.2
0.40	4.2	4.7

**MINERAL RESEARCH
CANADA**

11 INDUSTRIAL DIST. RR2
PARRY SOUND, ONTARIO
CANADA P2A 2W8

FAX (705) 378-5123 / BUS (705) 378-2416

DATE *SLM*

3

Hole 89-8 # 871

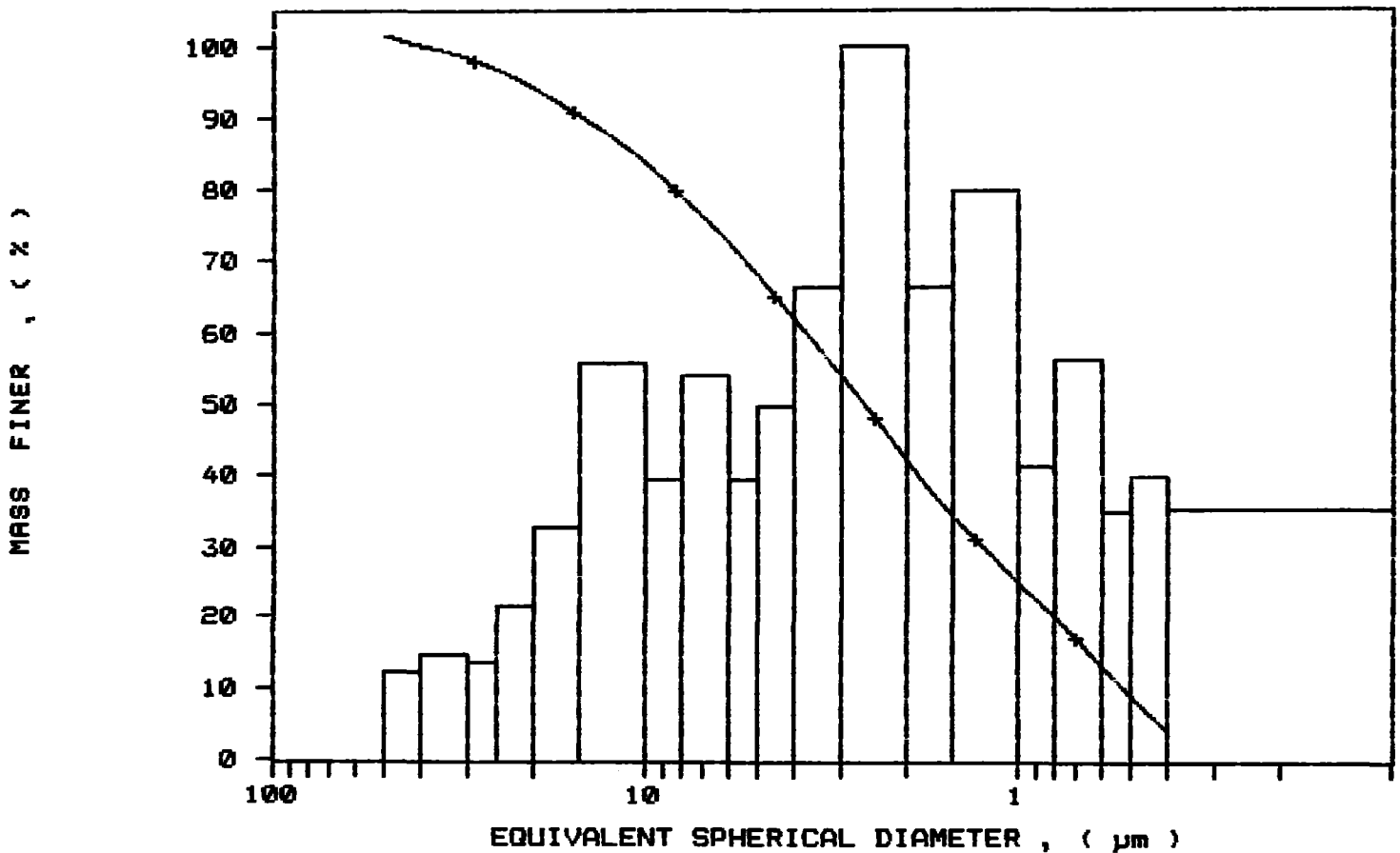
SediGraph 5100 V2.03

PAGE 2

SAMPLE DIRECTORY/NUMBER: DATA5 /364
SAMPLE ID: Hole 89-8 # 871
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 11:39:55 09/03/91
REPRT 12:00:39 09/03/91
TOT RUN TIME 0:07:36
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7279 cp

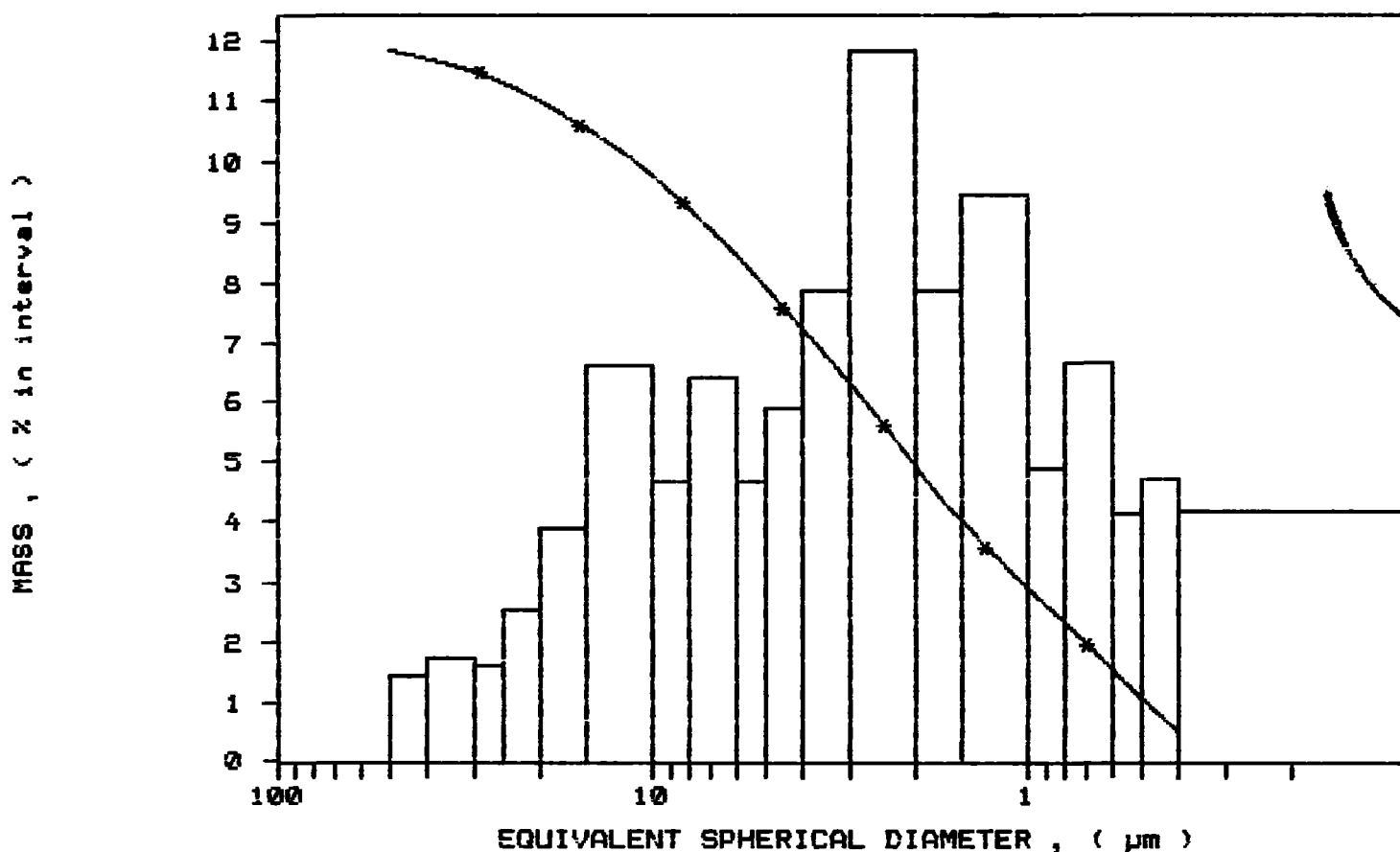
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /364
 SAMPLE ID: Hole 89-8 # 871
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
 START 11:39:55 09/03/91
 REPR 12:00:39 09/03/91
 TOT RUN TIME 0:07:36
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7279 cp

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



SediGraph 5100 V2.03

Hole 89-8 # 872

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /365
 SAMPLE ID: Hole 89-8 # 872
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

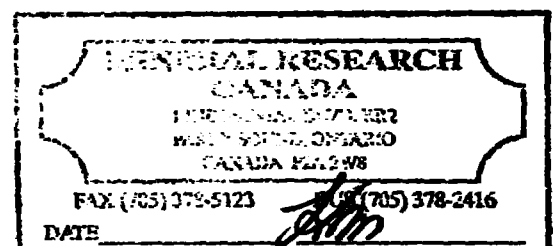
UNIT NUMBER: 1
 START 12:05:09 09/03/91
 REPT 12:26:08 09/03/91
 TOT RUN TIME 0:07:35
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7278 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MEDIAN DIAMETER: 3.26 μ m MASS DISTRIBUTION
 MODAL DIAMETER: 5.69 μ m

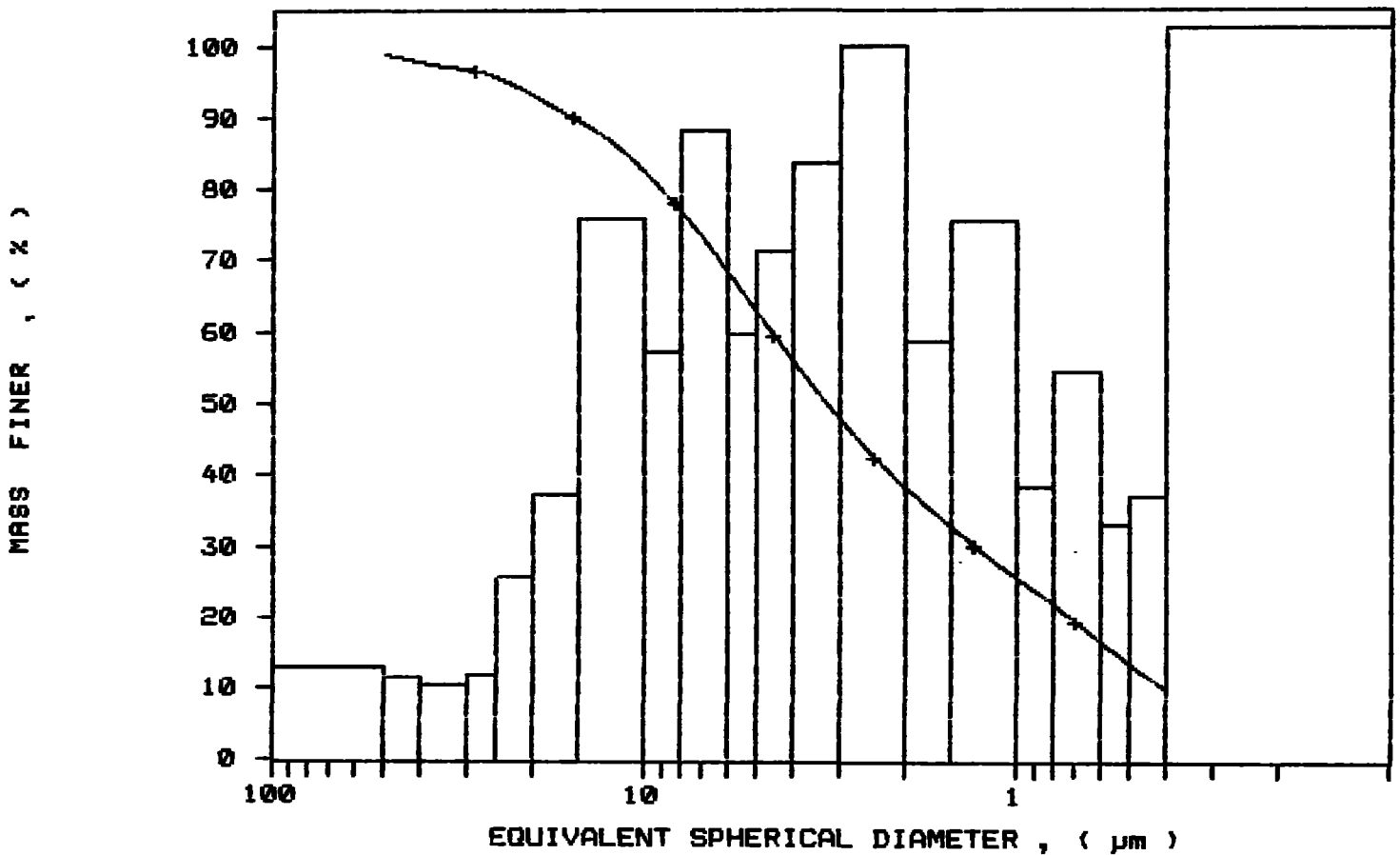
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.8	1.2
40.00	97.7	1.1
30.00	96.6	1.0
25.00	95.5	1.2
20.00	93.0	2.5
15.00	89.4	3.6
10.00	82.2	7.2
8.00	76.7	5.5
6.00	68.3	8.4
5.00	62.6	5.7
4.00	55.8	6.8
3.00	47.8	8.0
2.00	38.2	9.5
1.50	32.6	5.6
1.00	25.4	7.2
0.80	21.7	3.7
0.60	16.5	5.2
0.50	13.3	3.2
0.40	9.8	3.5



SAMPLE DIRECTORY/NUMBER: DATA5 /365
SAMPLE ID: Hole 89-8 # 872
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 12:05:09 09/03/91
REPT 12:26:08 09/03/91
TOT RUN TIME 0:07:35
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7278 cp

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

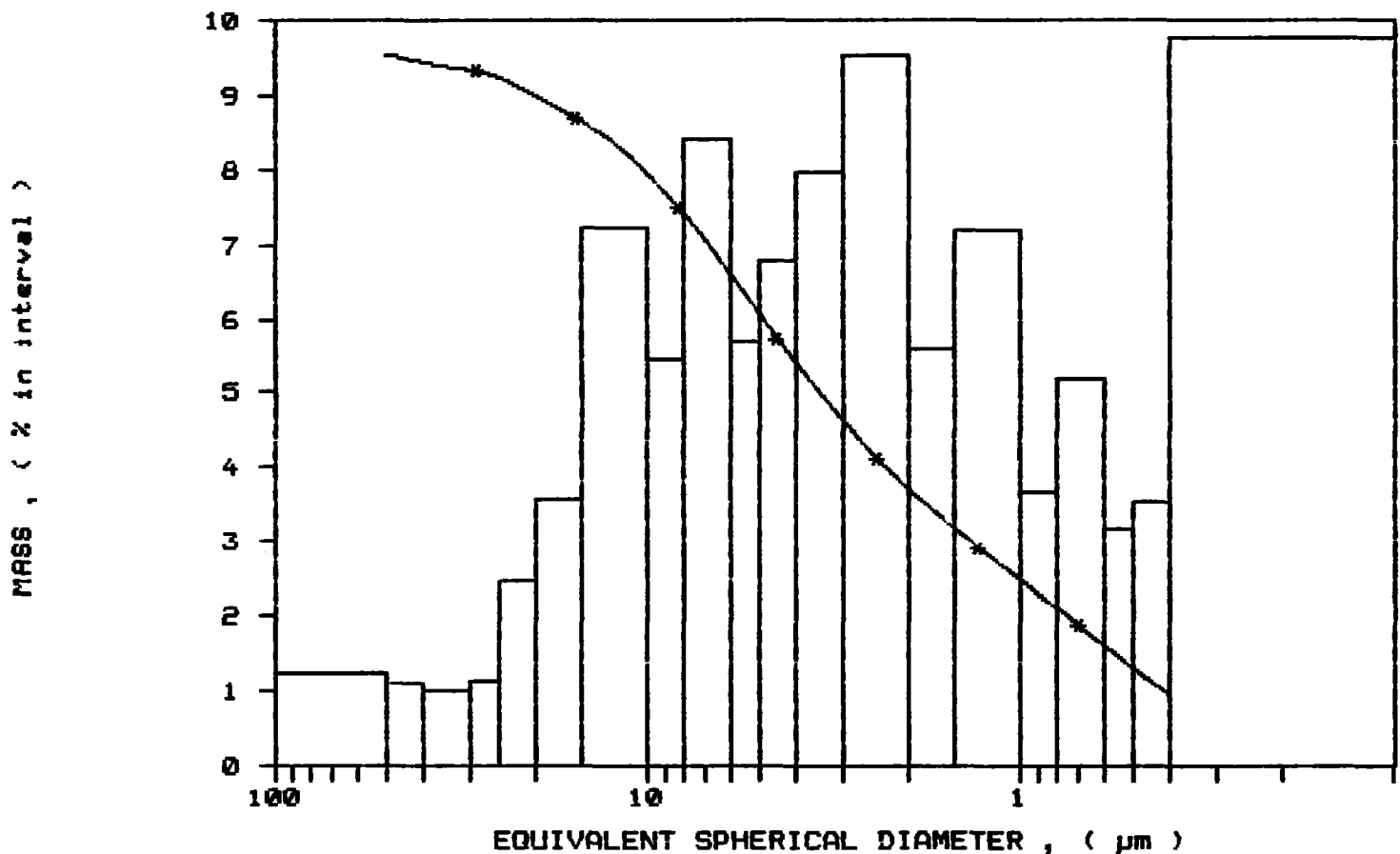


SAMPLE DIRECTORY/NUMBER: DATA5 /365
SAMPLE ID: Hole 89-8 # 872
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

RUN TYPE: High Speed

UNIT NUMBER: 1
START 12:05:09 09/03/91
REPRT 12:26:08 09/03/91
TOT RUN TIME 0:07:35
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7278 cp

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



Hole 89-8 # 873

SediGraph 5100 V2.03

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATAS /366
 SAMPLE ID: Hole 89-8 # 873
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 12:26:05 09/03/91
 REPR1 12:46:18 09/03/91
 TOT RUN TIME 0:07:33
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7277 cp

STARTING DIAMETER: 50.00 µm
 ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.52 µm

MODAL DIAMETER: 5.52 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	96.0	4.0
40.00	96.8	-0.8
30.00	96.6	0.1
25.00	95.8	0.8
20.00	93.5	2.3
15.00	88.6	4.9
10.00	79.0	9.6
8.00	72.9	6.0
6.00	64.9	8.0
5.00	59.5	5.4
4.00	53.4	6.2
3.00	45.9	7.5
2.00	35.0	10.9
1.50	27.5	7.5
1.00	19.1	8.3
0.80	16.1	3.0
0.60	12.2	3.9
0.50	10.0	2.3
0.40	6.7	3.3

MINERAL RESEARCH
 CANADA
 1 INDUSTRIAL ESTAT. BR2
 LARBY SOUND, ONTARIO
 CANADA L2A 2W8

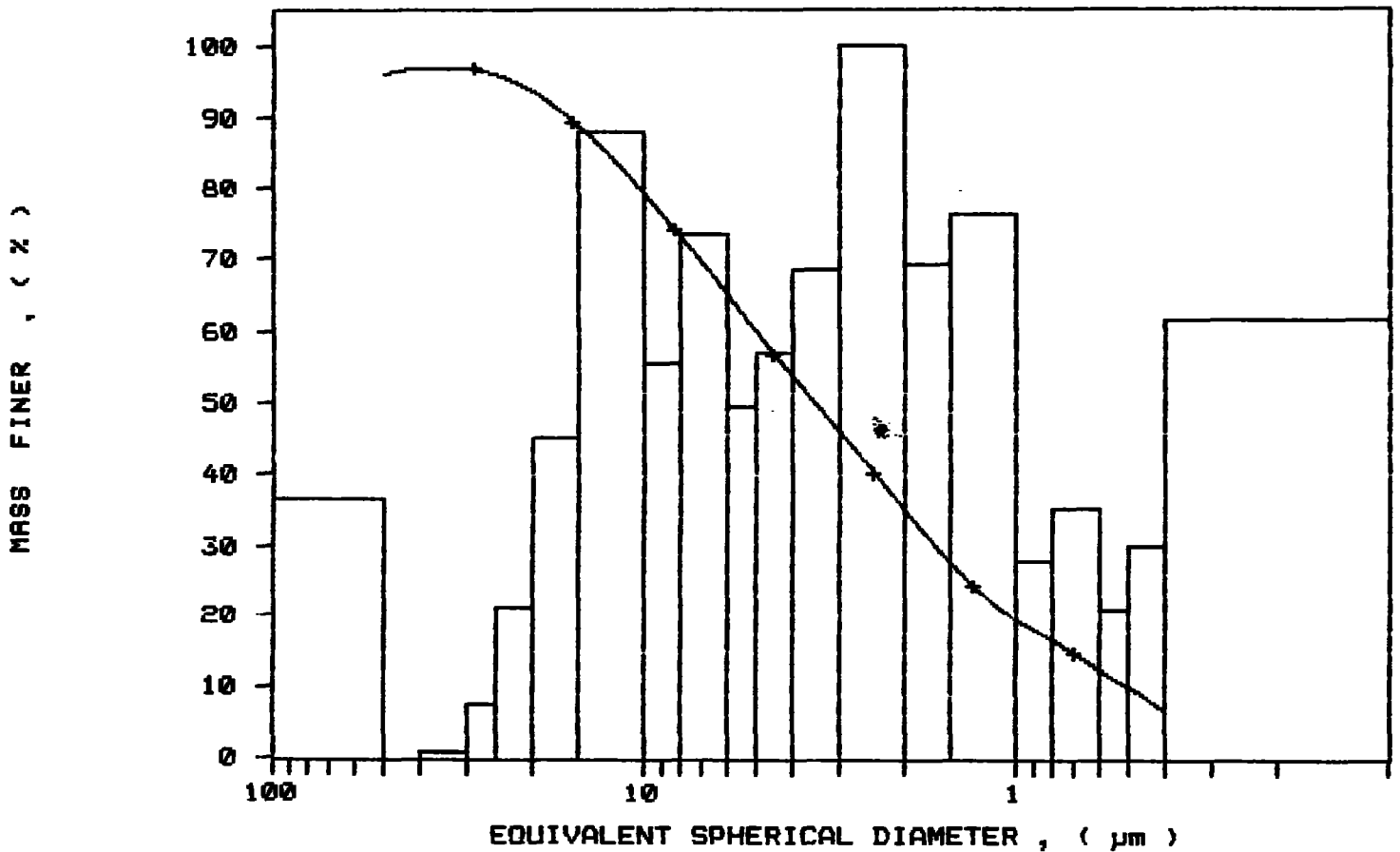
FAK (705) 378-5123 FOS (705) 378-2416

DATE *Alm*

SAMPLE DIRECTORY/NUMBER: DATA5 /366
SAMPLE ID: Hole 89-8 # 873
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 12:26:05 09/03/91
REPT 12:46:18 09/03/91
TOT RUN TIME 0:07:33
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7277 cp

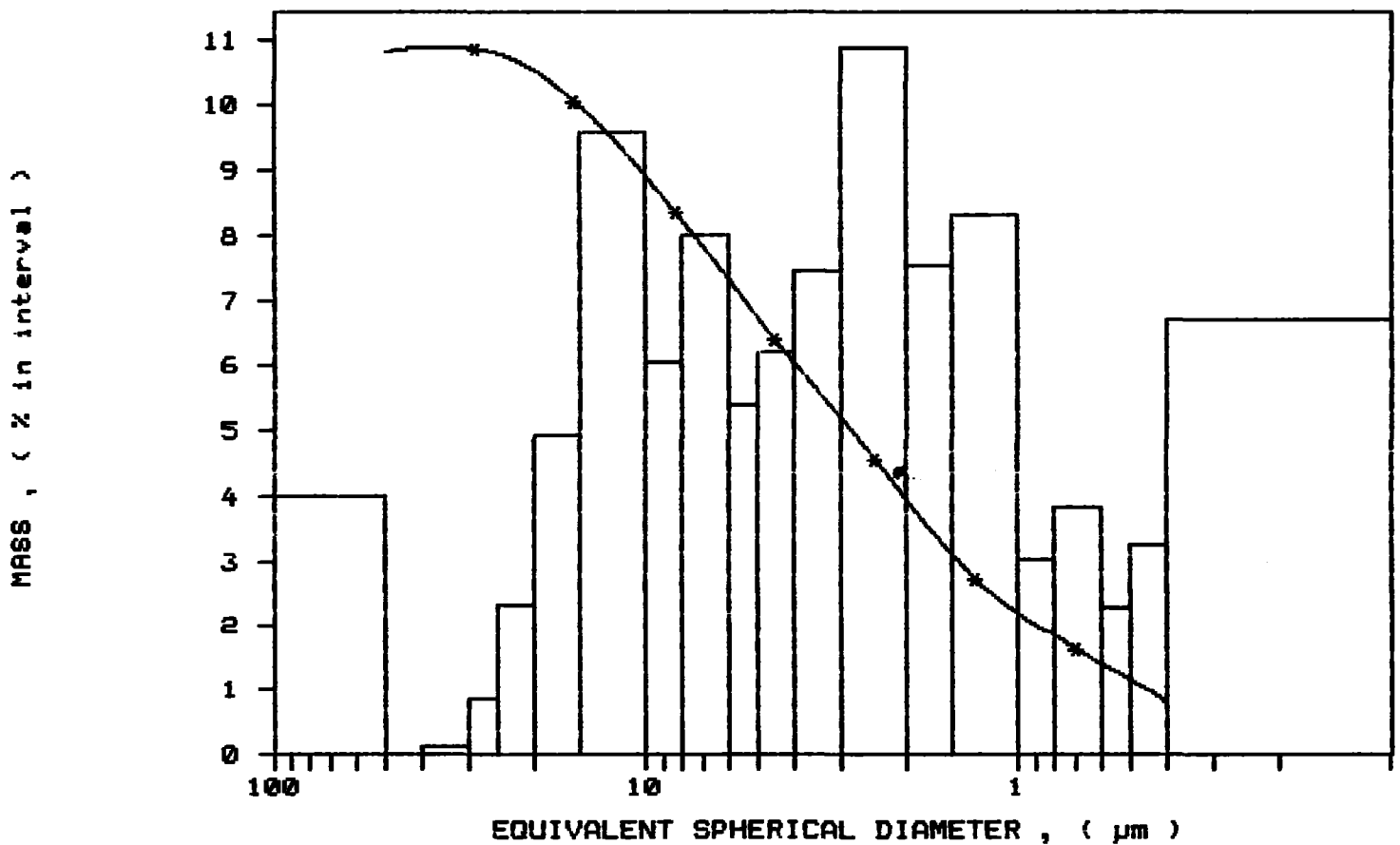
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /366
SAMPLE ID: Hole 89-8 # 873
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 12:26:05 09/03/91
REPRY 12:46:18 09/03/91
TOT RUN TIME 0:07:33
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7277 cp

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



SAMPLE DIRECTORY/NUMBER: DATA5 /367
 SAMPLE ID: Hole 89-8 # 874
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 13:50:42 09/03/91
 REPR 14:11:33 09/03/91
 TOT RUN TIME 0:07:36
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7279 cp

STARTING DIAMETER: 50.00 µm
 ENDING DIAMETER: 0.40 µm

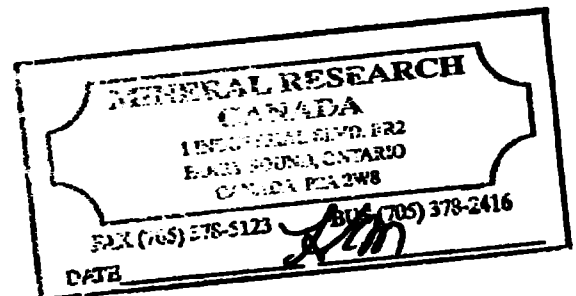
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 3.11 µm

MODAL DIAMETER: 4.95 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.4	-0.4
40.00	98.3	2.1
30.00	95.9	2.5
25.00	94.3	1.6
20.00	91.7	2.6
15.00	87.0	4.7
10.00	78.4	8.6
8.00	73.8	4.6
6.00	67.6	6.2
5.00	62.6	5.0
4.00	56.3	6.2
3.00	49.1	7.3
2.00	39.2	9.9
1.50	32.1	7.1
1.00	23.6	8.5
0.80	19.4	4.2
0.60	14.6	4.8
0.50	11.8	2.9
0.40	8.5	3.3



7.

Hole 89-8 # 874

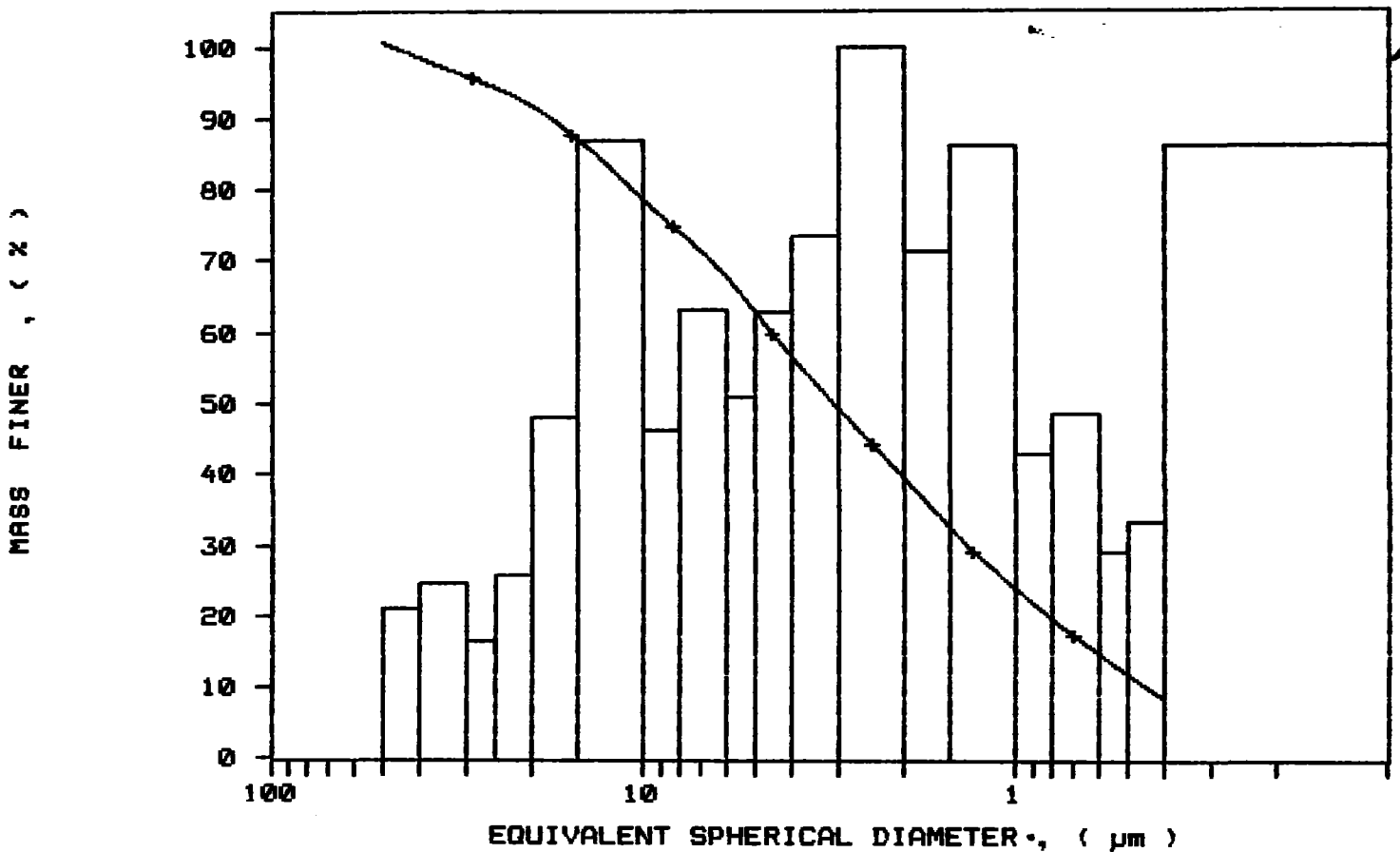
SediGraph 5100 V2.03

PAGE 2

SAMPLE DIRECTORY/NUMBER: DATAS /367
SAMPLE ID: Hole 89-8 # 874
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 13:50:42 09/03/91
REPT 14:11:33 09/03/91
TOT RUN TIME 0:07:36
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7279 cp

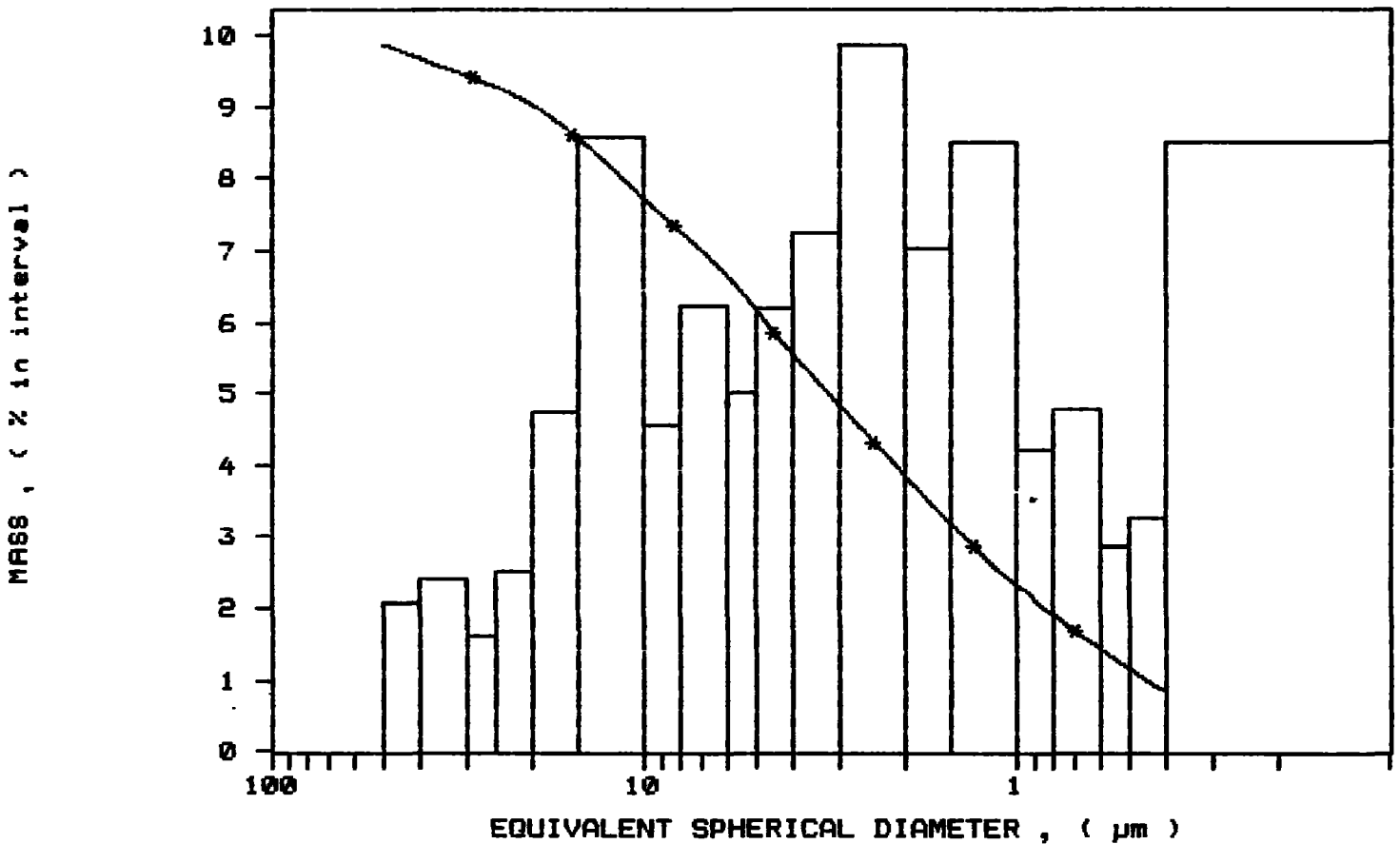
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /367
SAMPLE ID: Hole 89-8 # 874
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 13:50:42 09/03/91
REPT 14:11:33 09/03/91
TOT RUN TIME 0:07:36
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7279 cp

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



Hole 89-8 # 875

SediGraph 5100 V2.03

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /368
 SAMPLE ID: Hole 89-8 # 875
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 14:12:29 09/03/91
 REPT 14:32:47 09/03/91
 TOT RUN TIME 0:06:57
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7277 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

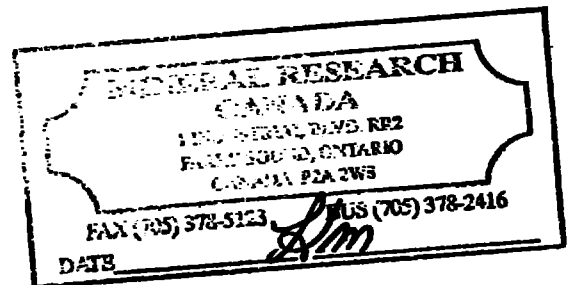
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.16 μ m

MODAL DIAMETER: 1.10 μ m

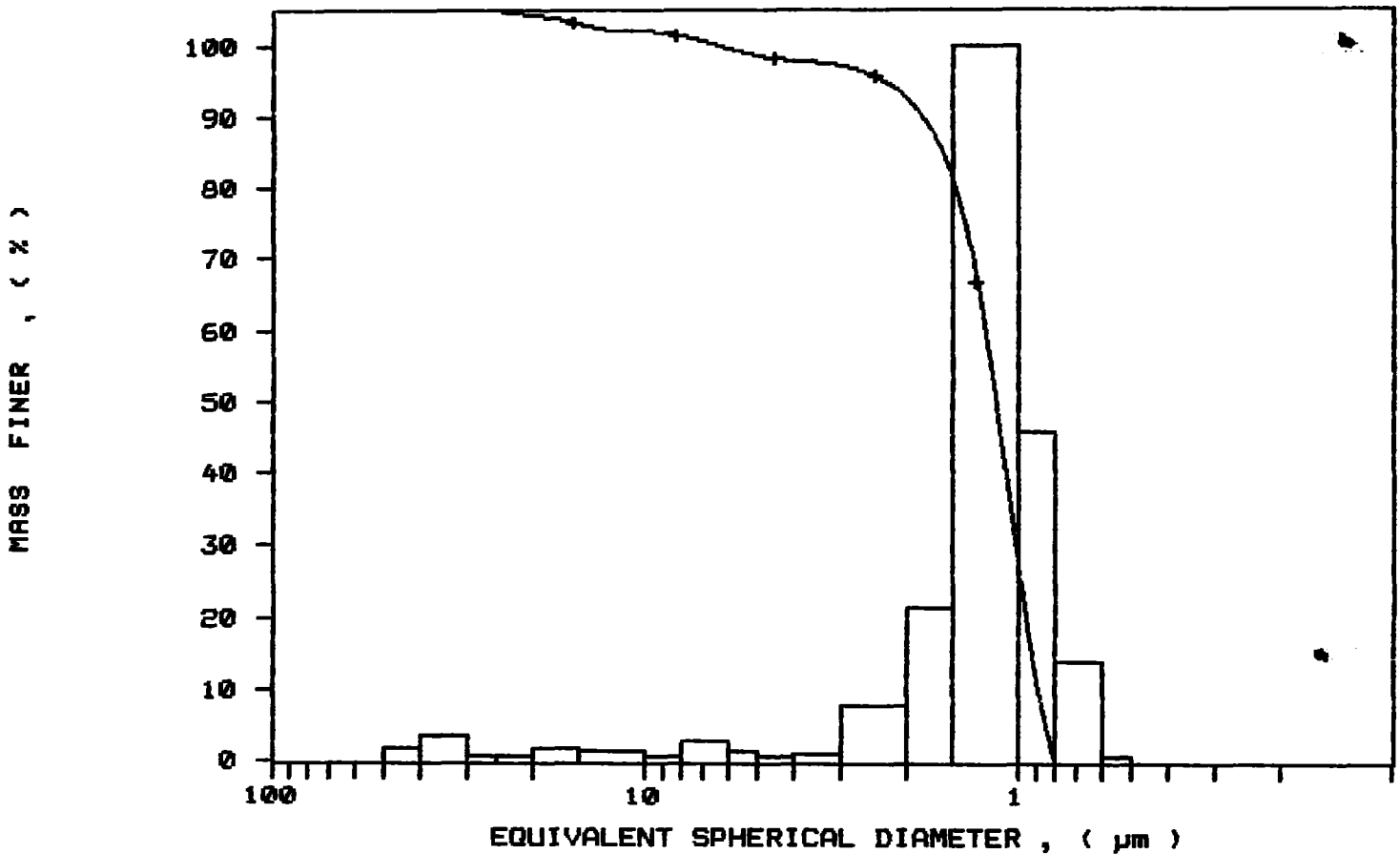
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	108.7	-8.7
40.00	107.6	1.1
30.00	105.4	2.2
25.00	104.7	0.7
20.00	104.1	0.6
15.00	102.9	1.2
10.00	101.9	1.1
8.00	101.3	0.6
6.00	99.5	1.8
5.00	98.4	1.0
4.00	97.8	0.6
3.00	97.1	0.7
2.00	92.5	4.6
1.50	80.6	11.9
1.00	25.3	55.3
0.80	-0.2	25.5
0.60	-8.0	7.9
0.50	-8.6	0.6
0.40	-8.3	-0.3



SAMPLE DIRECTORY/NUMBER: DATA5 /368
SAMPLE ID: Hole 89-8 # 875
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 14:12:29 09/03/91
REPR 14:32:47 09/03/91
TOT RUN TIME 0:06:57
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7277 cp

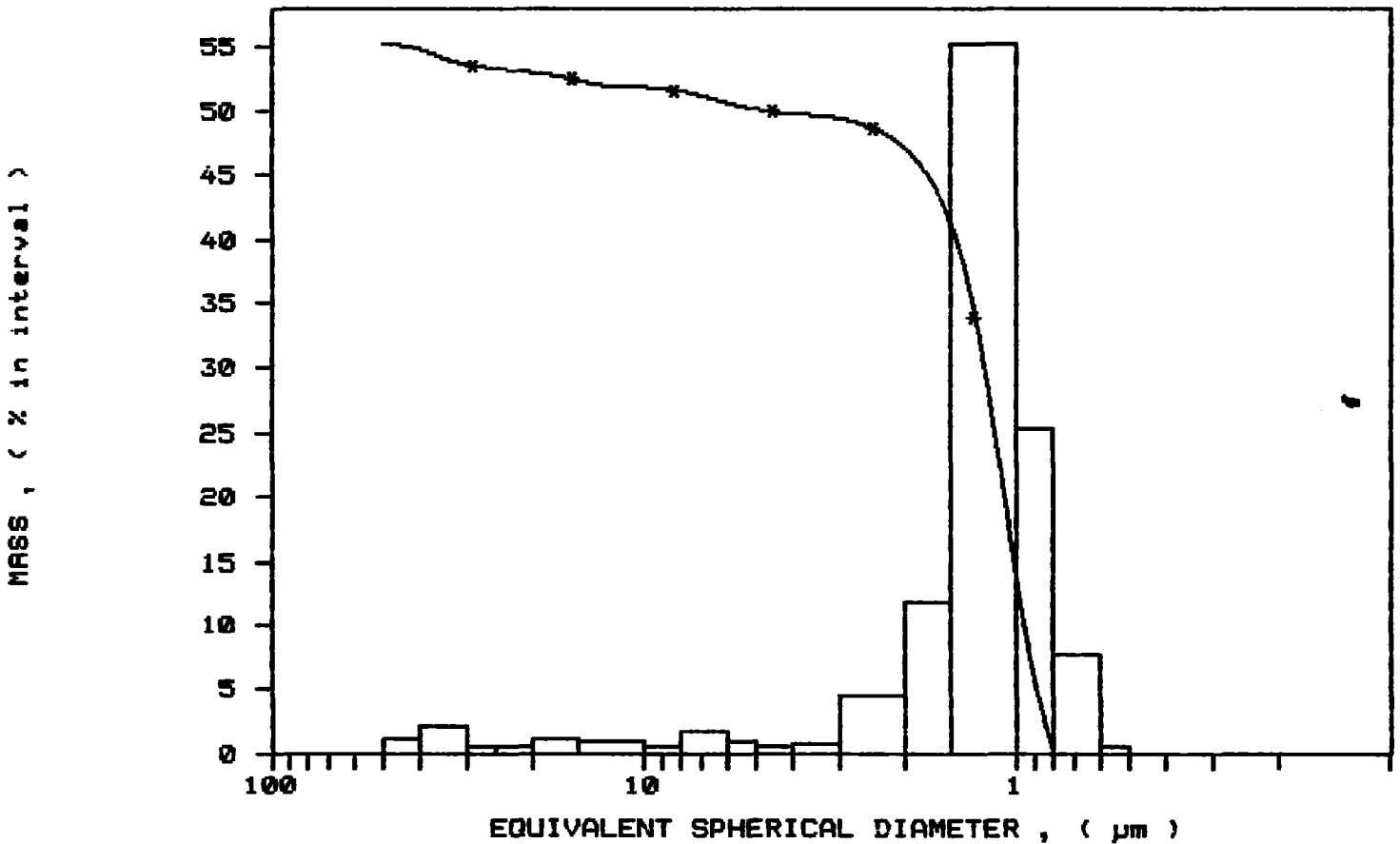
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /368
SAMPLE ID: Hole 89-8 # 875
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 14:12:29 09/03/91
REPT 14:32:47 09/03/91
TOT RUN TIME 0:06:57
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7277 cp

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



SediGraph 5100 V2.03

SAMPLE DIRECTORY/NUMBER: DATA5 /369
 SAMPLE ID: Hole 89-8 # 876
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 14:32:02 09/03/91
 REPRT 14:52:13 09/03/91
 TOT RUN TIME 0:07:34
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7276 cp

STARTING DIAMETER: 50.00 µm
 ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.44 µm MODAL DIAMETER: 2.68 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	113.0	-13.0
40.00	112.0	1.0
30.00	108.5	3.5
25.00	105.4	3.1
20.00	102.3	3.2
15.00	98.2	4.0
10.00	92.2	6.1
8.00	88.4	3.8
6.00	82.4	5.9
5.00	78.2	4.2
4.00	72.6	5.6
3.00	61.2	11.4
2.00	40.6	20.6
1.50	33.7	6.9
1.00	30.7	3.0
0.80	28.4	2.3
0.60	23.8	4.6
0.50	20.1	3.6
0.40	14.8	5.4

MINERAL RESEARCH
 CANADA
 100-10000 LIND. DRG
 BURLINGTON, ONTARIO
 CANADA P2A2W3
 TEL (705) 378-5123 FAX (705) 378-2416
 DATE *Alan*

4

Hole 89-8 # 876

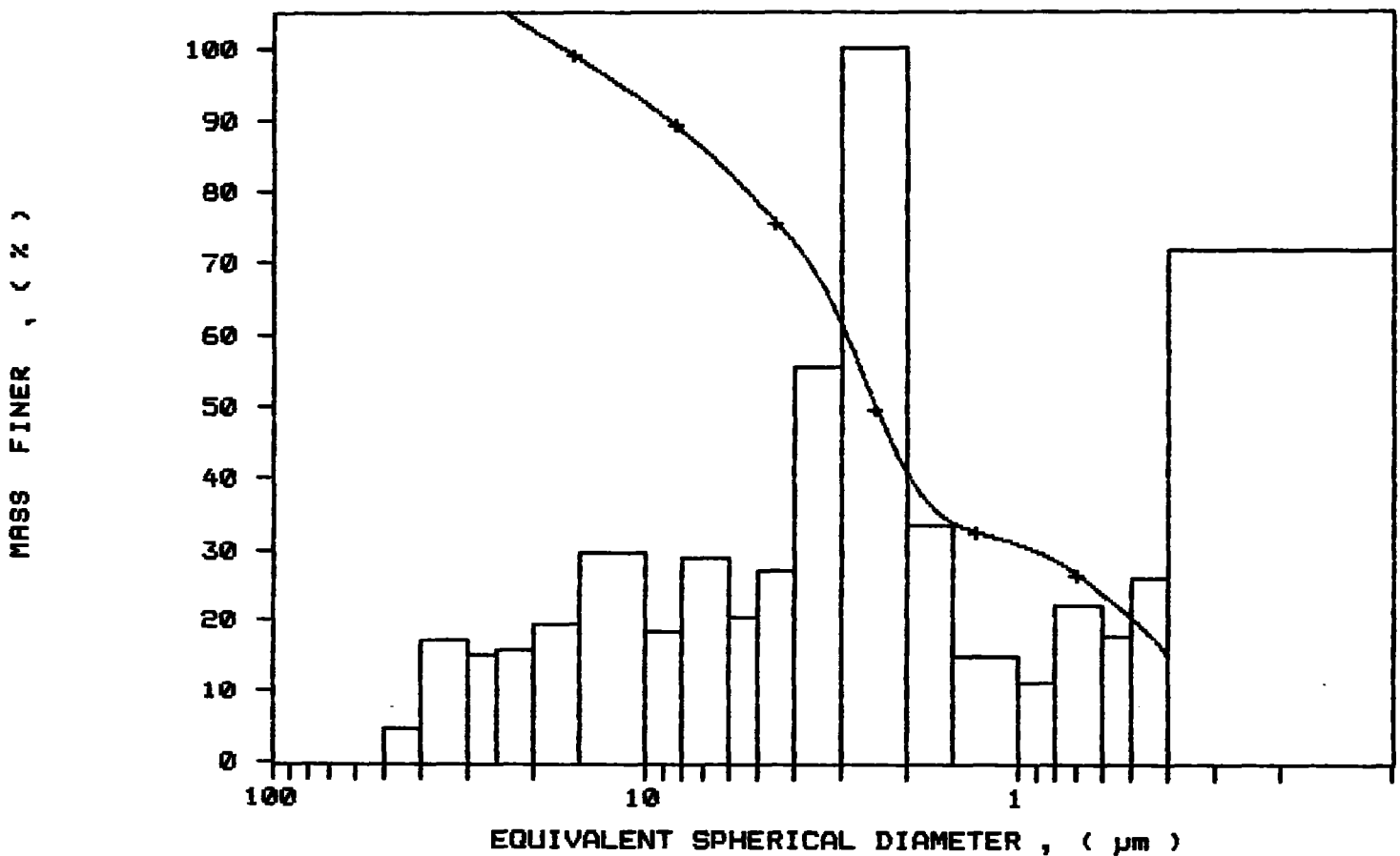
SediGraph 5100 V2.03

PAGE 2

SAMPLE DIRECTORY/NUMBER: DATA5 /369
SAMPLE ID: Hole 89-8 # 876
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 14:32:02 09/03/91
REPT 14:52:13 09/03/91
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7276 cp

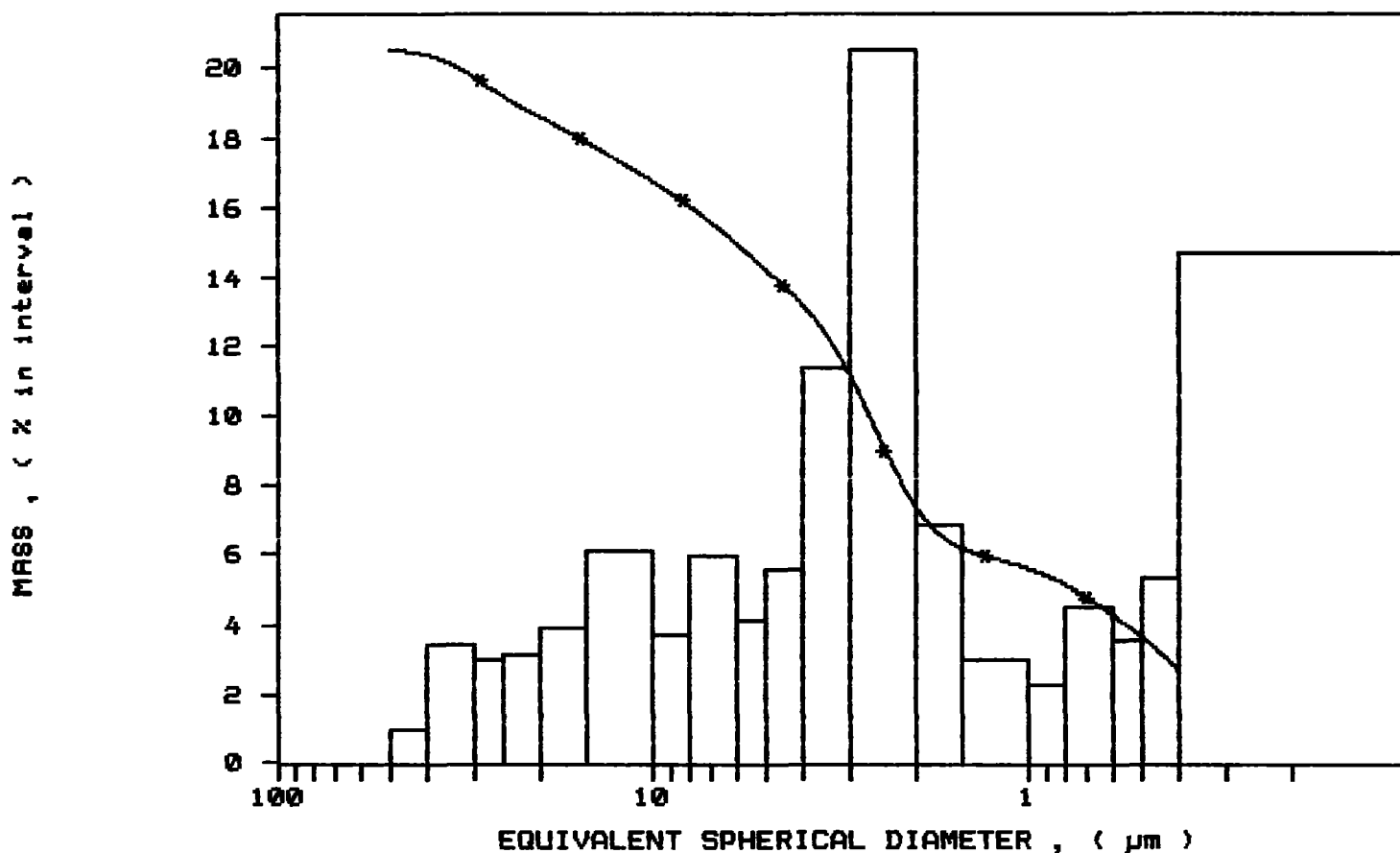
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /369
SAMPLE ID: Hole 89-8 # 876
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 14:32:02 09/03/91
REPT 14:52:13 09/03/91
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7276 cp

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



SediGraph 5100 V2.03

Hole 89-8 # 877

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /370
SAMPLE ID: Hole 89-8 # 877
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
START 15:47:28 09/03/91
REPT 16:07:37 09/03/91
TOT RUN TIME 0:07:29
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7277 cp

STARTING DIAMETER: 50.00 µm
ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.96 µm MODAL DIAMETER: 9.42 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.0	-0.0
40.00	98.1	1.9
30.00	95.1	2.9
25.00	93.0	2.2
20.00	89.7	3.3
15.00	84.9	4.8
10.00	76.4	8.5
8.00	70.6	5.8
6.00	64.1	6.5
5.00	60.1	4.0
4.00	55.6	4.5
3.00	50.2	5.4
2.00	43.1	7.1
1.50	38.4	4.7
1.00	32.4	6.0
0.80	29.0	3.5
0.60	23.9	5.0
0.50	21.0	2.9
0.40	17.3	3.7

**MINERAL RESEARCH
CANADA**
1 INDUSTRIAL BLVD. #22
LARKSPUR, ONTARIO
CANADA L2A 3W8

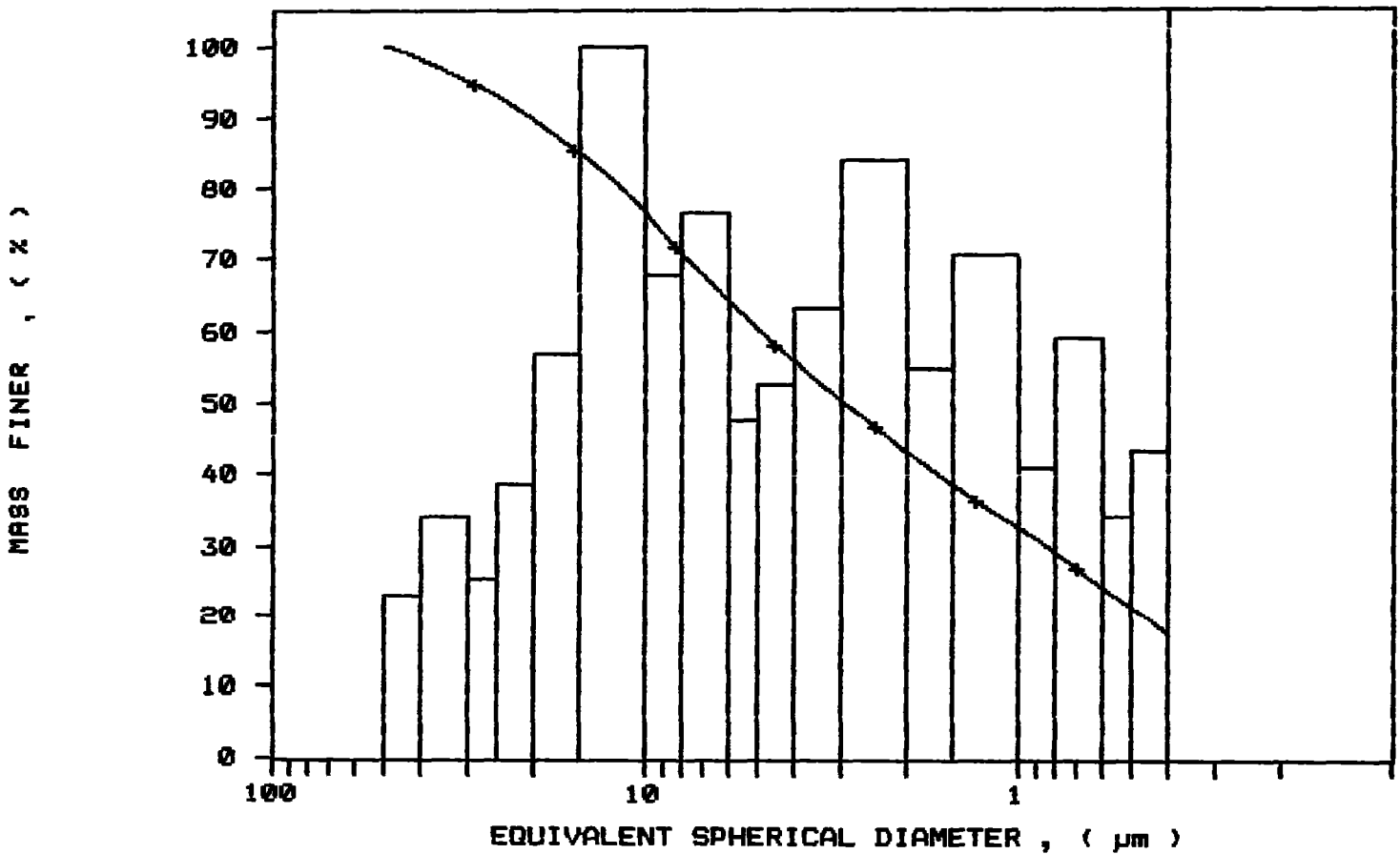
FAX (705) 378-5123 TELS (705) 378-2416

DATE *ACM*

SAMPLE DIRECTORY/NUMBER: DATA5 /370
SAMPLE ID: Hole 89-8 # 877
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
START 15:47:28 09/03/91
REPRT 16:07:37 09/03/91
TOT RUN TIME 0:07:29
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7277 cp

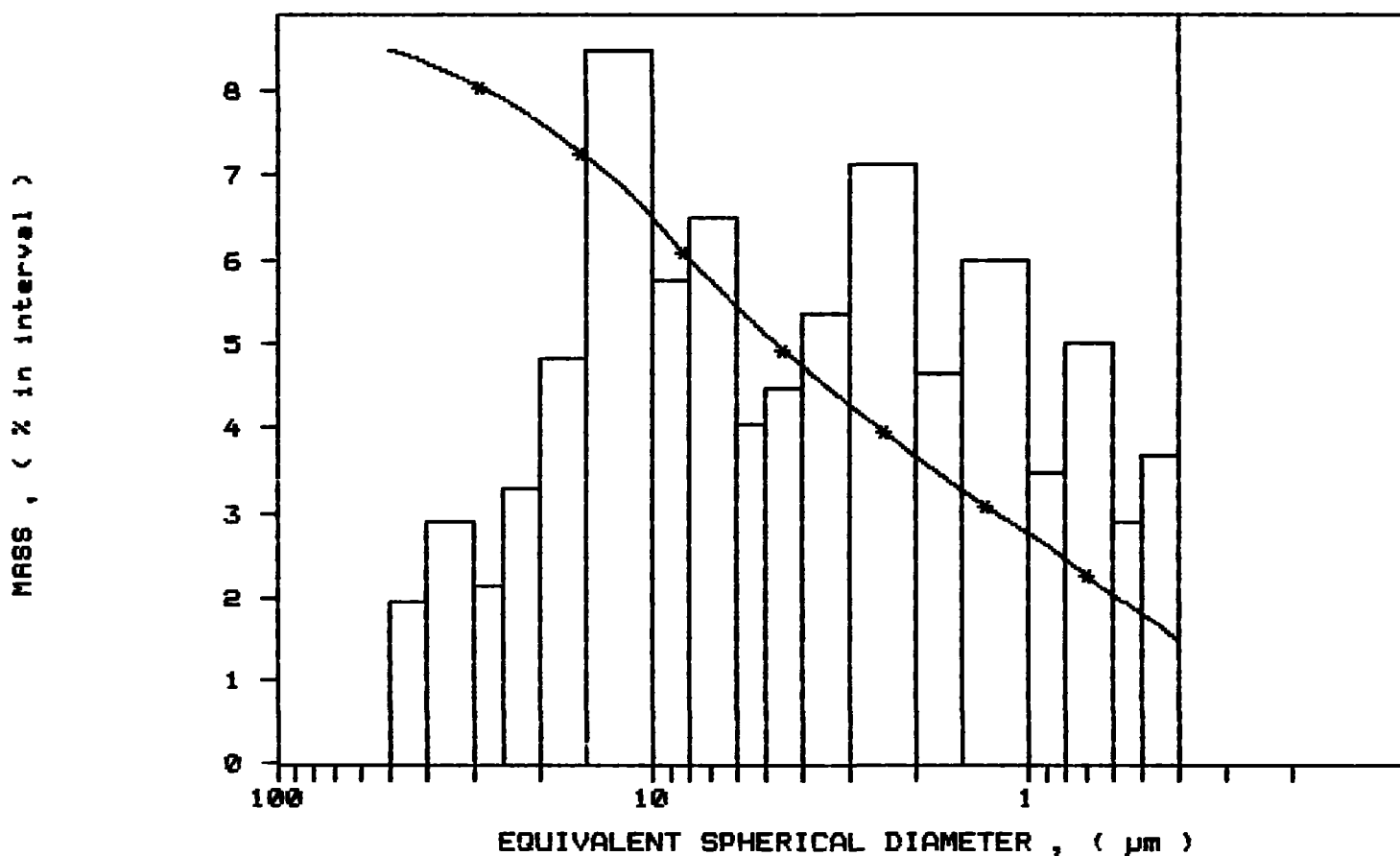
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /370
 SAMPLE ID: Hole 89-8 # 877
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.6 deg C

UNIT NUMBER: 1
 START 15:47:28 09/03/91
 REPRF 16:07:37 09/03/91
 TOT RUN TIME 0:07:29
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7277 cp

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



Hole 89-8 # 878

SediGraph 5100 V2.03

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /371
 SAMPLE ID: Hole 89-8 # 878
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 10:07:17 09/05/91
 REPR 10:28:18 09/05/91
 TOT RUN TIME 0:07:24
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7267 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

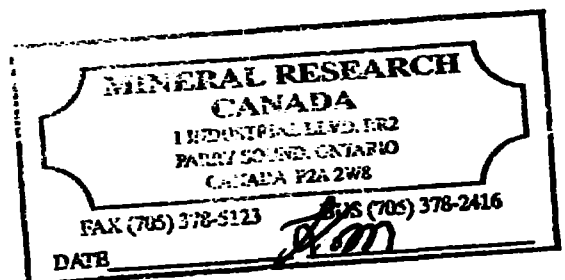
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 8.20 μ m

MODAL DIAMETER: 13.81 μ m

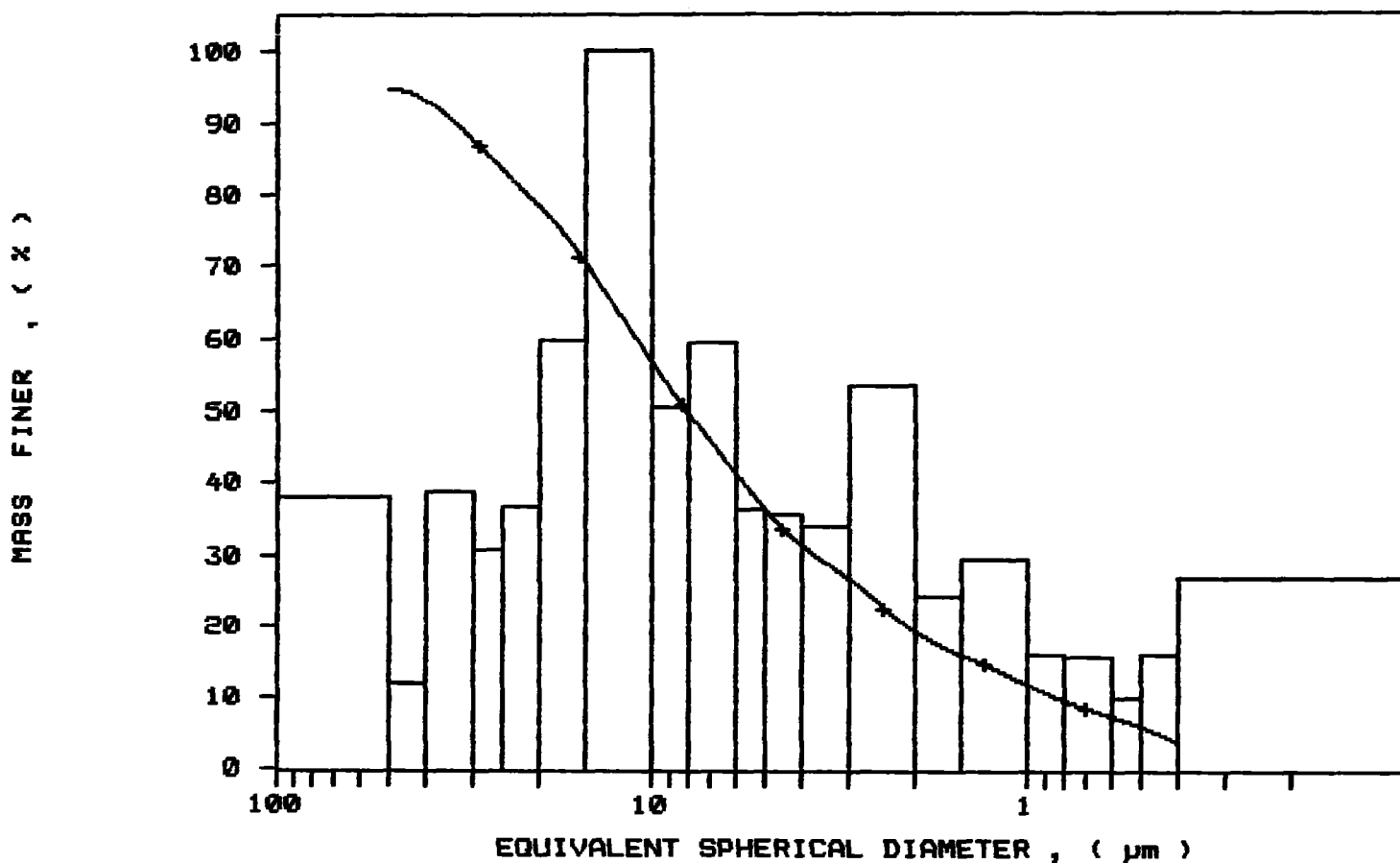
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	94.7	5.3
40.00	93.0	1.7
30.00	87.6	5.4
25.00	83.4	4.2
20.00	78.3	5.1
15.00	70.1	8.2
10.00	56.3	13.8
8.00	49.3	7.0
6.00	41.0	8.2
5.00	36.0	5.0
4.00	31.1	5.0
3.00	26.3	4.7
2.00	18.9	7.4
1.50	15.6	3.3
1.00	11.6	4.1
0.80	9.3	2.2
0.60	7.2	2.1
0.50	5.8	1.4
0.40	3.6	2.2



SAMPLE DIRECTORY/NUMBER: DATA5 /371
SAMPLE ID: Hole 89-8 # 878
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 10:07:17 09/05/91
REPRT 10:28:18 09/05/91
TOT RUN TIME 0:07:24
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7267 cp

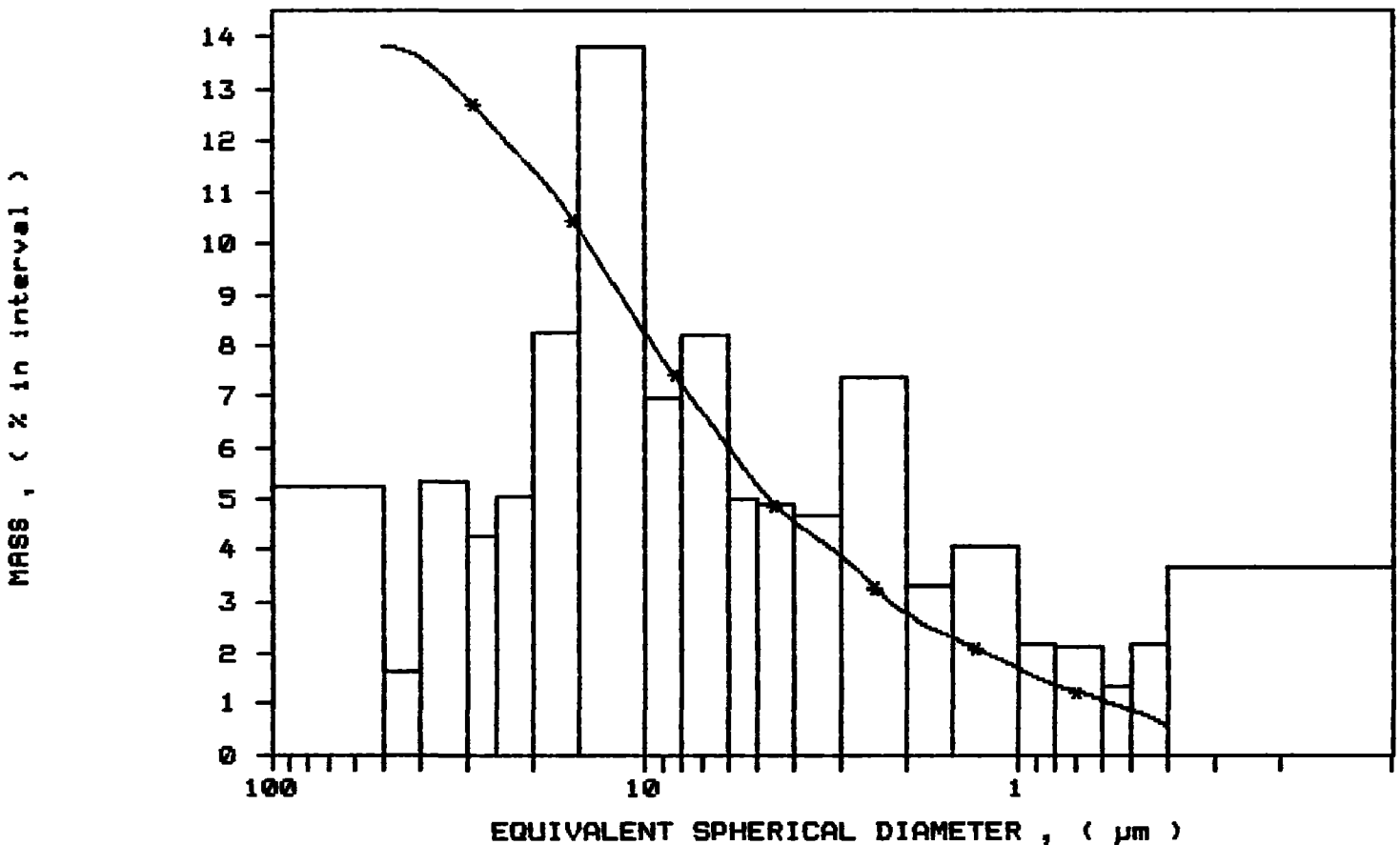
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /371
SAMPLE ID: Hole 89-8 # 878
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 10:07:17 09/05/91
REPT 10:28:18 09/05/91
TOT RUN TIME 0:07:24
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: DATA5 /372
 SAMPLE ID: Hole 89-8 # 879
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 10:26:11 09/05/91
 REPT 10:46:30 09/05/91
 TOT RUN TIME 0:07:17
 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: 3.95 µm

MODAL DIAMETER: 6.36 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.4	1.6
40.00	97.5	0.9
30.00	96.4	1.1
25.00	95.3	1.0
20.00	93.4	1.9
15.00	89.4	4.1
10.00	78.0	11.3
8.00	70.3	7.7
6.00	60.5	9.9
5.00	55.0	5.4
4.00	50.3	4.7
3.00	43.1	7.2
2.00	34.1	9.0
1.50	27.6	6.5
1.00	20.6	7.0
0.80	16.6	4.0
0.60	10.3	6.3
0.50	6.8	3.4
0.40	4.1	2.7

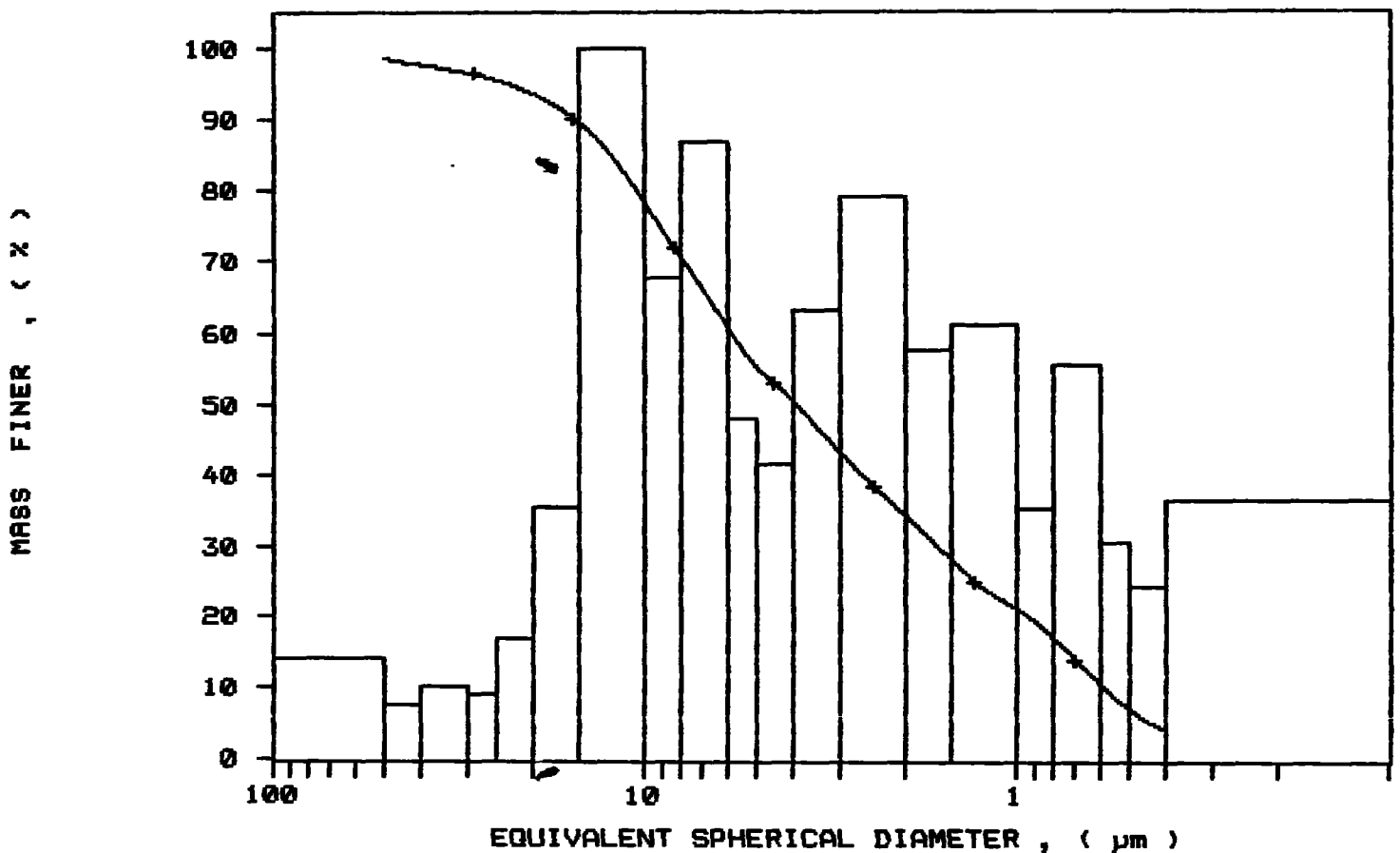
MENERAL RESEARCH
CANADA
 11 INDUSTRIAL BLVD. RR2
 BRANTFORD ONTARIO
 CANADA N2A 2W8

FAX (705) 378-5123 BBS (705) 378-2416
 DATE *DM*

SAMPLE DIRECTORY/NUMBER: DATAS : /3/2
SAMPLE ID: Hole 89-8 # 879
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 10:26:11 09/05/91
REPRT 10:46:30 09/05/91
TOT RUN TIME 0:07:17
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7265 cp

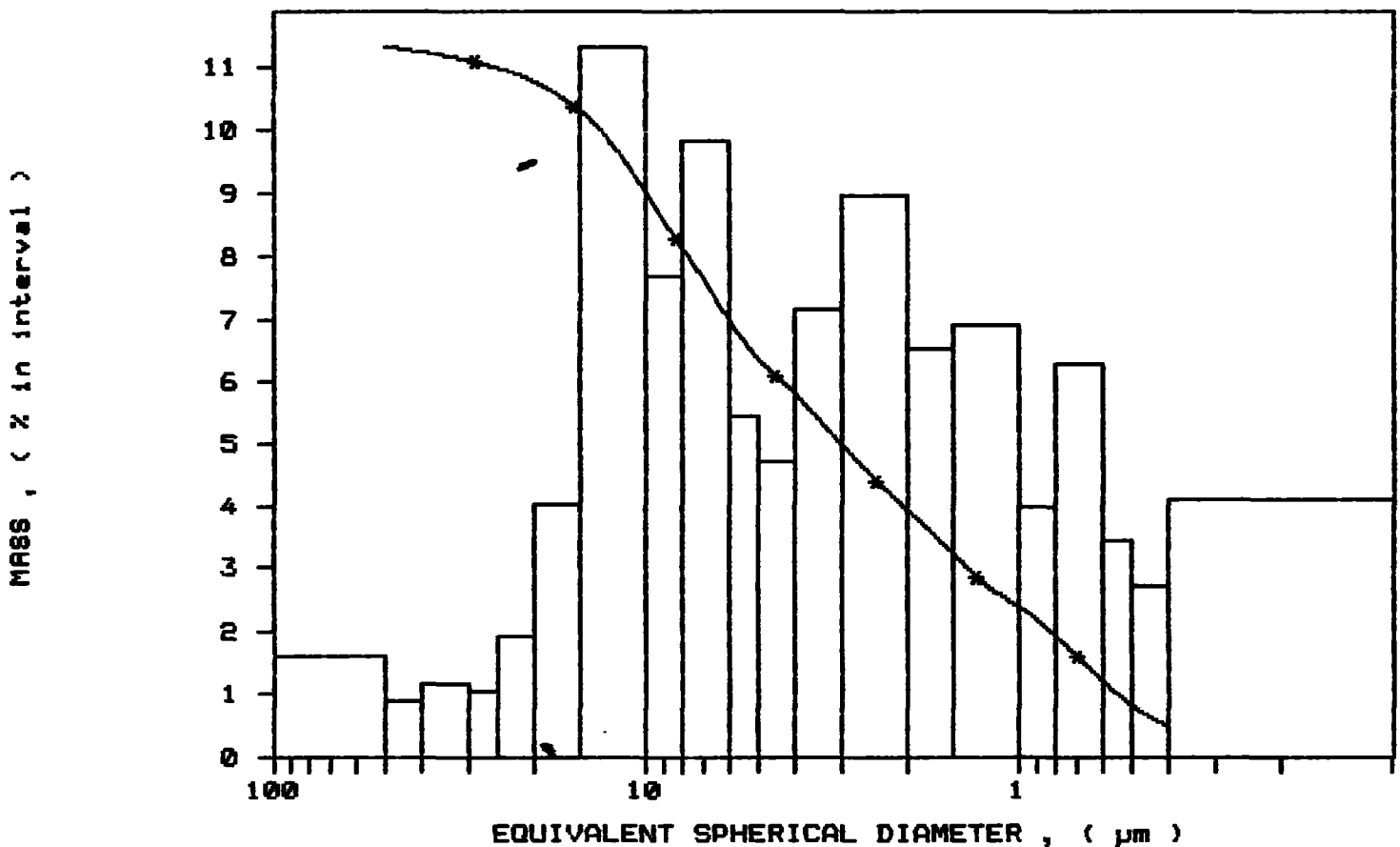
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /372
SAMPLE ID: Hole 89-8 # 879
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 10:26:11 09/05/91
REPR 10:46:30 09/05/91
TOT RUN TIME 0:07:17
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 /374
 SAMPLE ID: Hole 89-8 # 881
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 10:49:21 09/05/91
 REPT 11:10:20 09/05/91
 TOT RUN TIME 0:07:32
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7264 cp

STARTING DIAMETER: 50.00 µm
 ENDING DIAMETER: 0.40 µm

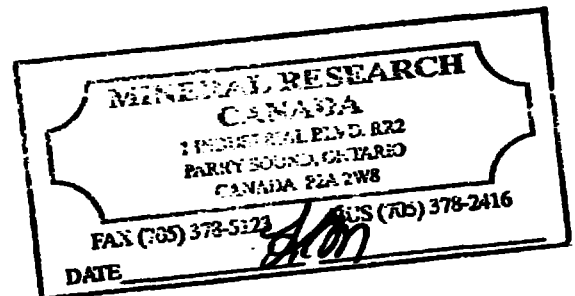
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 11.07 µm

MODAL DIAMETER: 11.45 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.2	1.8
40.00	97.7	0.5
30.00	97.0	0.7
25.00	94.7	2.4
20.00	89.4	5.3
15.00	77.3	12.1
10.00	39.9	37.3
8.00	25.6	14.3
6.00	20.0	5.6
5.00	17.8	2.2
4.00	15.3	2.4
3.00	12.9	2.5
2.00	9.2	3.7
1.50	6.2	3.0
1.00	3.6	2.7
0.80	2.8	0.7
0.60	1.5	1.3
0.50	0.9	0.7
0.40	0.0	0.8



1

Hole 89-8 # 881

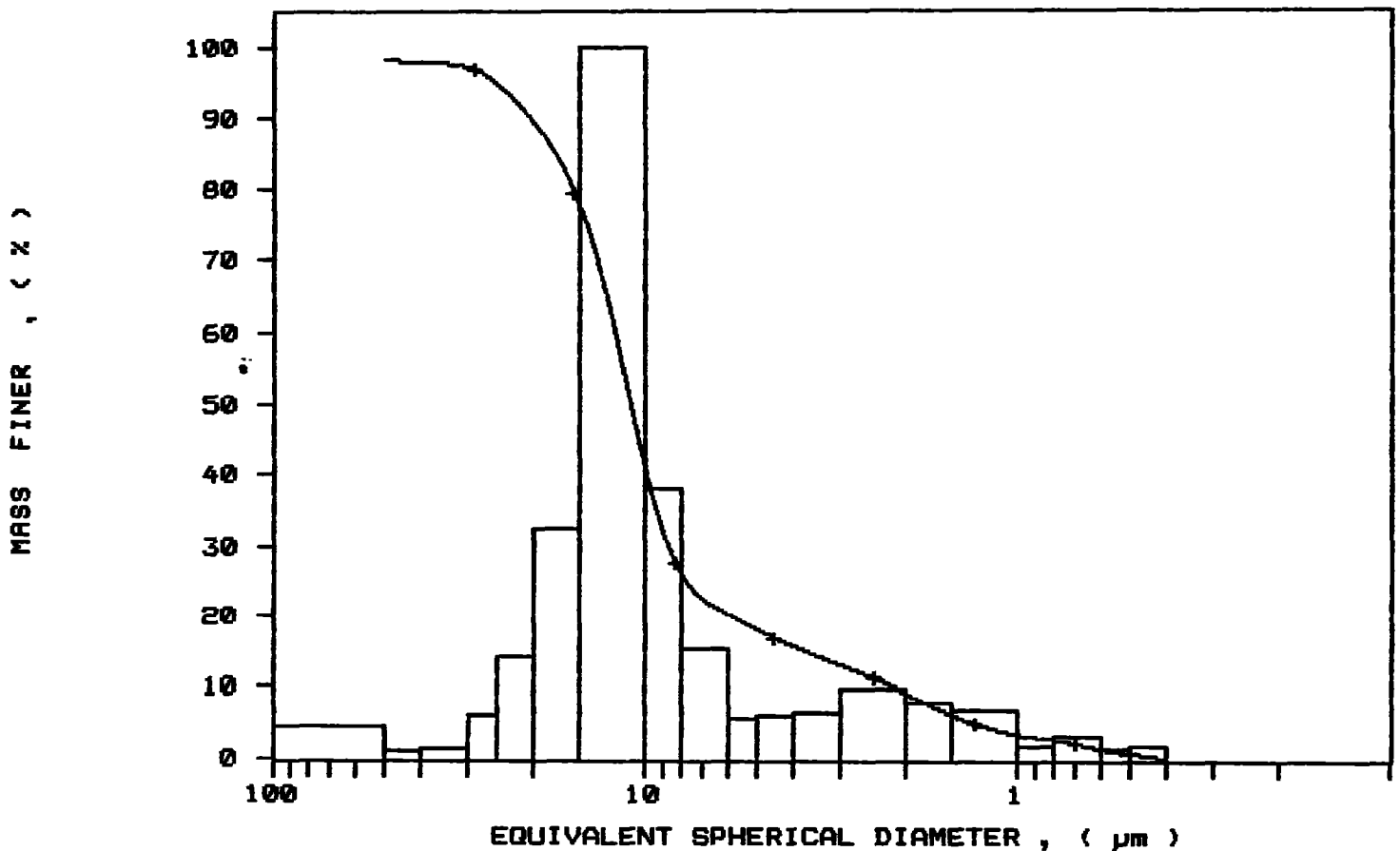
SediGraph 5100 V2.03

PAGE 2

SAMPLE DIRECTORY/NUMBER: DATA5 /374
SAMPLE ID: Hole 89-8 # 881
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 10:49:21 09/05/91
REPT 11:10:20 09/05/91
TOT RUN TIME 0:07:32
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7264 cp

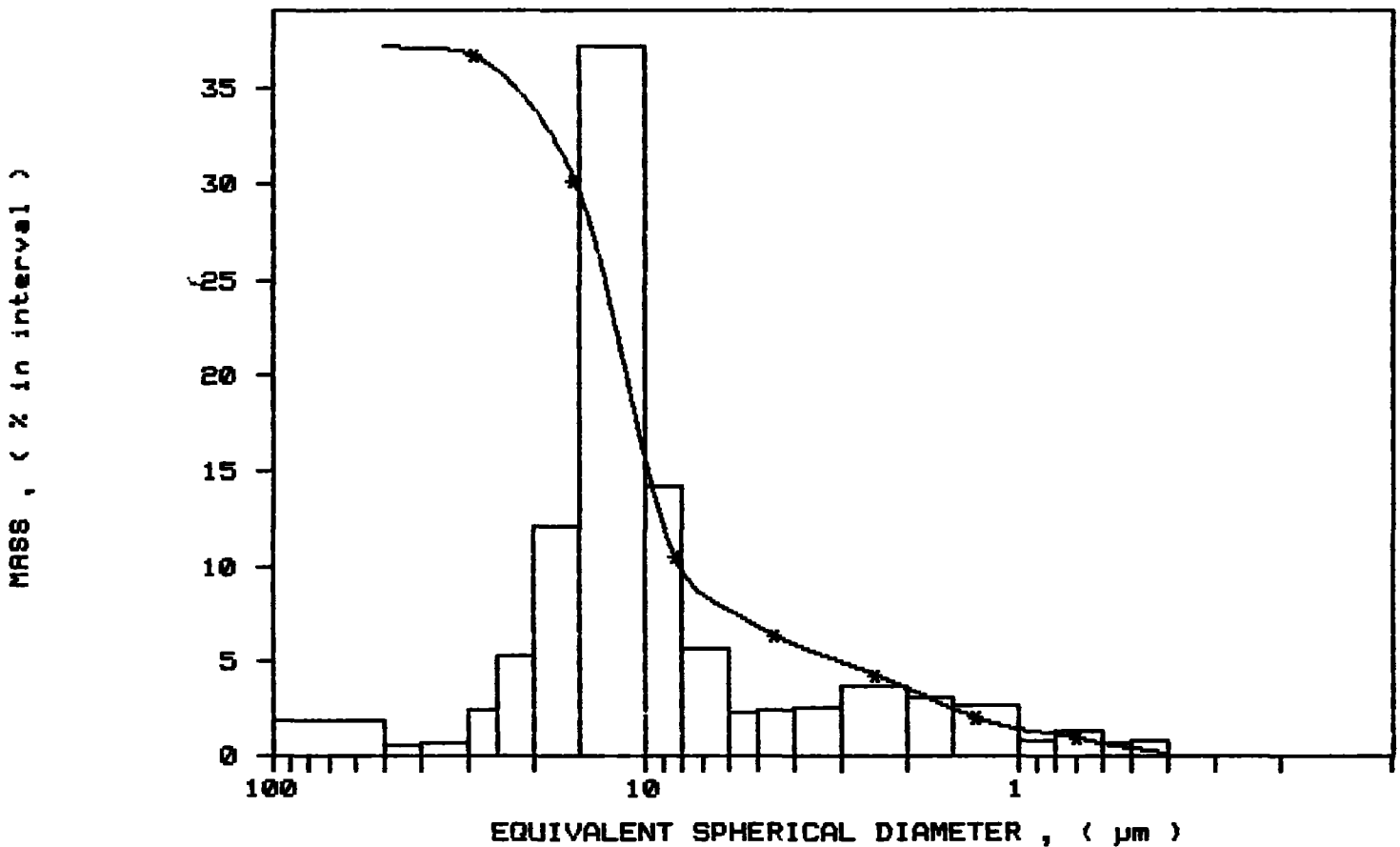
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATAS /374
SAMPLE ID: Hole 89-8 # 881
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 10:49:21 09/05/91
REPT 11:10:20 09/05/91
TOT RUN TIME 0:07:32
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7264 cp

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



SAMPLE DIRECTORY/NUMBER: DATA5 /375
 SAMPLE ID: Hole 89-8 # 882
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 11:08:52 09/05/91
 REPRT 11:29:55 09/05/91
 TOT RUN TIME 0:07:34
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7263 cp

STARTING DIAMETER: 50.00 µm
 ENDING DIAMETER: 0.40 µm

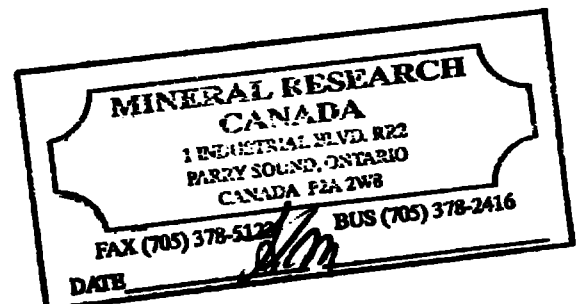
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 9.97 µm

MODAL DIAMETER: 18.04 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.8	1.2
40.00	95.9	2.9
30.00	92.0	4.0
25.00	87.1	4.9
20.00	78.0	9.0
15.00	64.8	13.2
10.00	50.1	14.7
8.00	43.5	6.6
6.00	35.8	7.6
5.00	32.1	3.7
4.00	28.4	3.7
3.00	24.0	4.4
2.00	18.3	5.7
1.50	14.4	4.0
1.00	10.0	4.4
0.80	7.4	2.7
0.60	4.4	2.9
0.50	2.4	2.0
0.40	1.0	1.4



↑

Hole 89-8 # 882

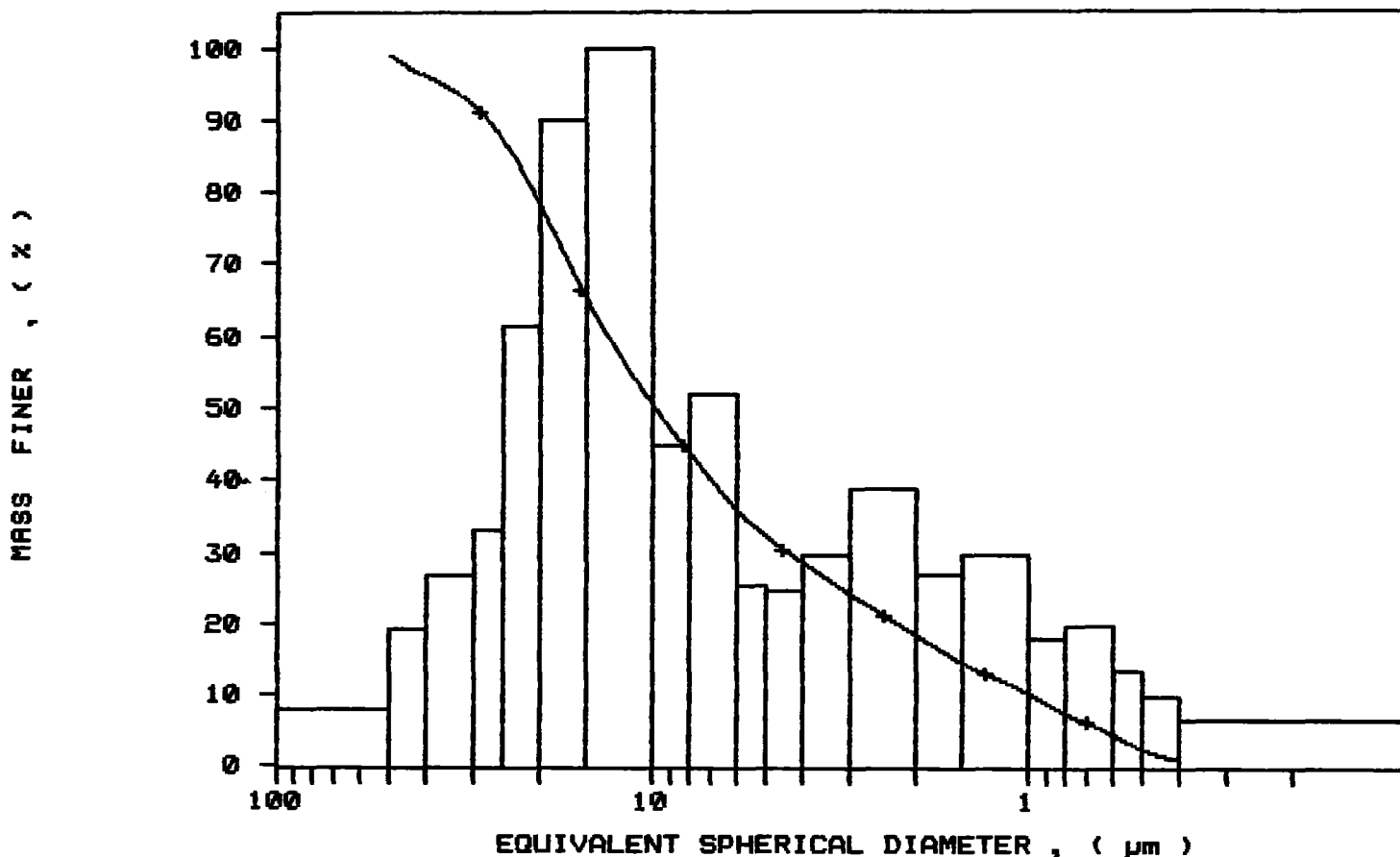
SediGraph 5100 V2.03

PAGE 2

SAMPLE DIRECTORY/NUMBER: DATA5 /375
SAMPLE ID: Hole 89-8 # 882
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 11:08:52 09/05/91
REPRT 11:29:55 09/05/91
TOT RUN TIME 0:07:34
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7263 cp

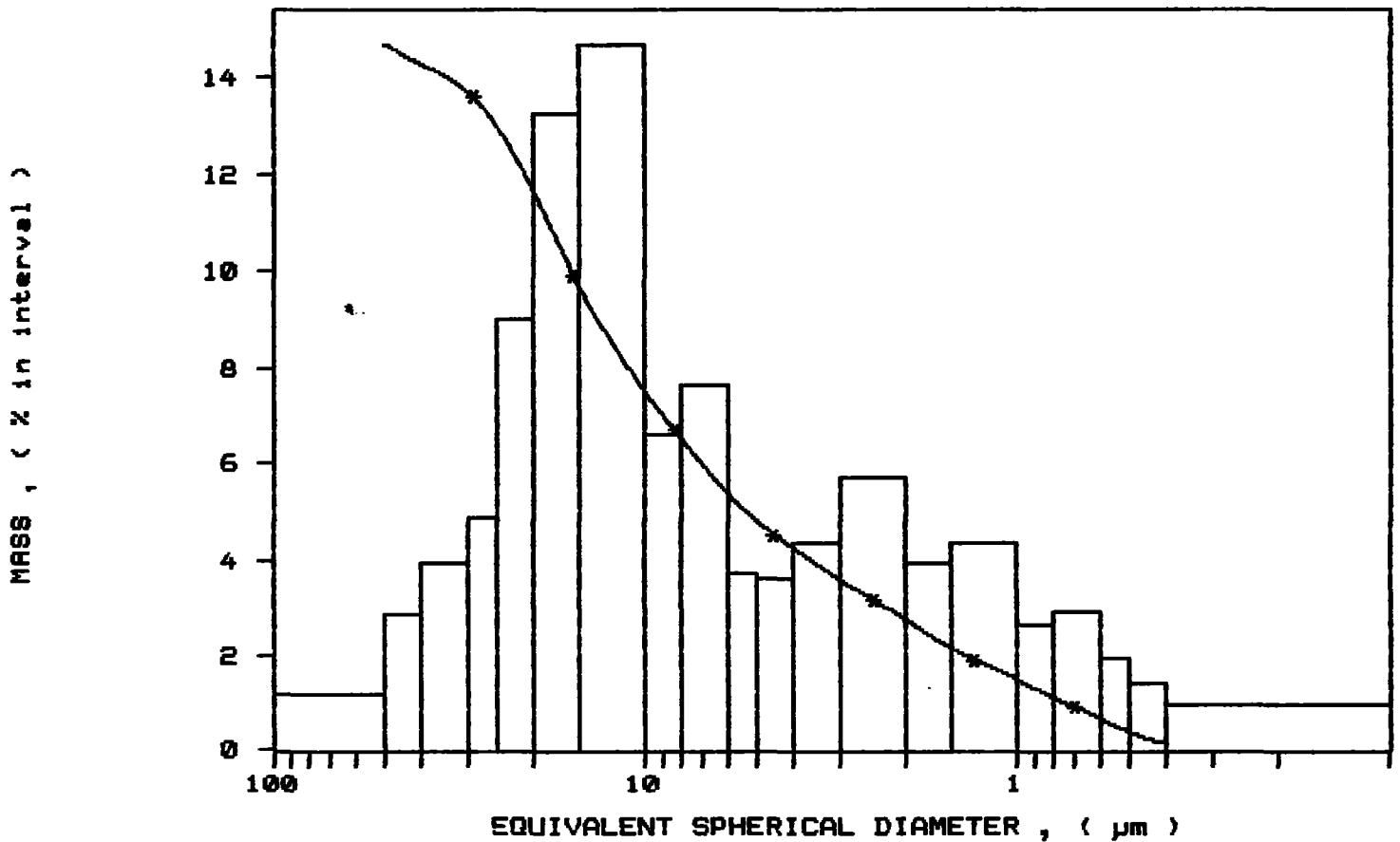
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /375
SAMPLE ID: Hole 89-8 # 882
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 11:08:52 09/05/91
REPT 11:29:55 09/05/91
TOT RUN TIME 0:07:34
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



SAMPLE DIRECTORY/NUMBER: DATA5 /376
 SAMPLE ID: Hole 89-8 # 883
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 11:28:18 09/05/91
 REPRT 11:48:23 09/05/91
 TOT RUN TIME 0:07:32
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9942 g/cc
 LIQ VISC: 0.7263 cp

STARTING DIAMETER: 50.00 µm
 ENDING DIAMETER: 0.40 µm

REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 11.31 µm

MODAL DIAMETER: 17.66 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.6	1.4
40.00	96.3	2.3
30.00	91.7	4.5
25.00	86.7	5.0
20.00	77.5	9.2
15.00	63.3	14.2
10.00	44.1	19.2
8.00	34.8	9.3
6.00	26.6	8.2
5.00	22.4	4.2
4.00	18.7	3.8
3.00	14.5	4.1
2.00	10.8	3.7
1.50	7.8	3.0
1.00	5.3	2.6
0.80	3.9	1.4
0.60	2.3	1.6
0.50	1.7	0.6
0.40	0.5	1.1

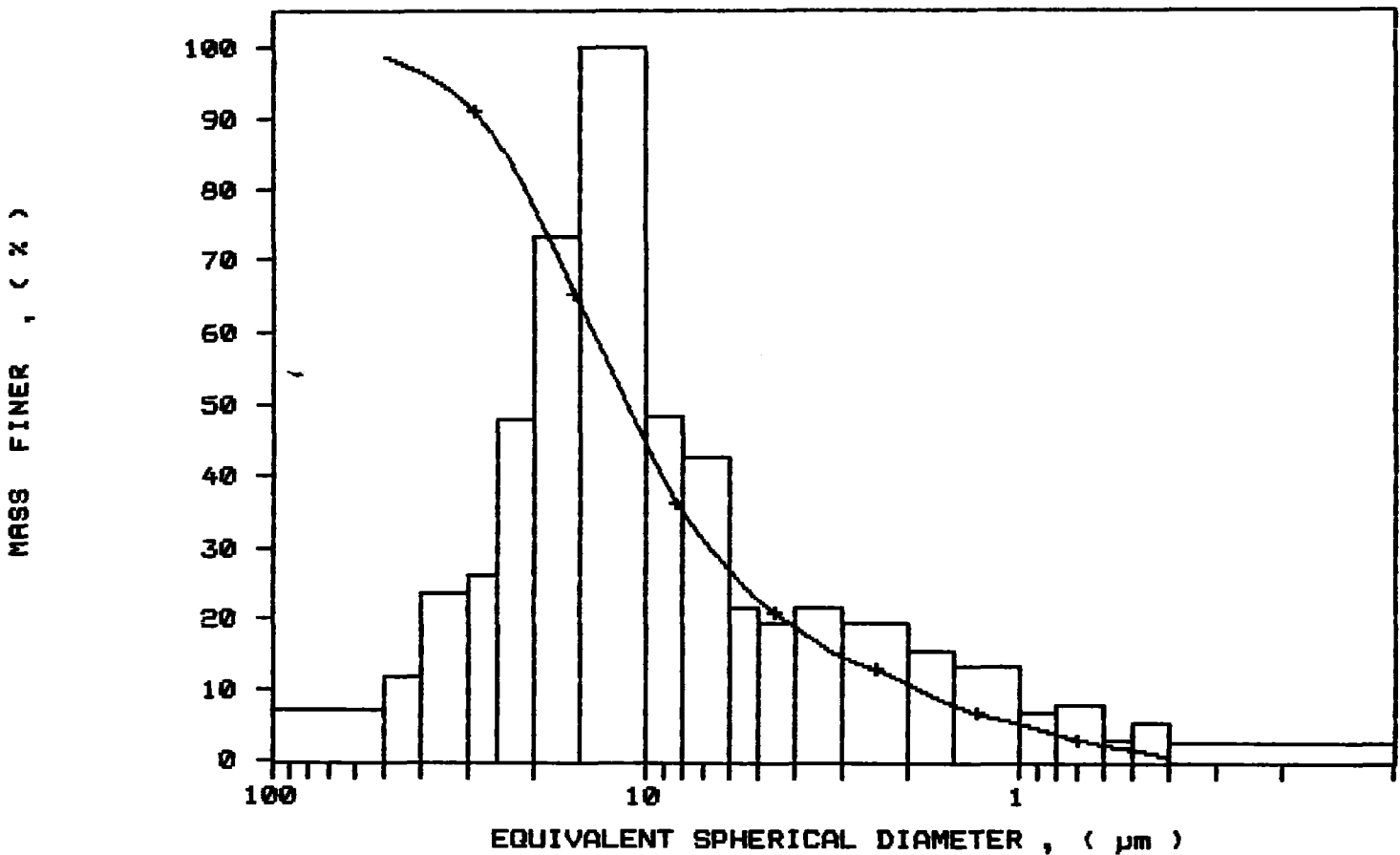
**MINERAL RESEARCH
CANADA**
 1 BURNHAM BLVD. #12
 BARRIE ONTARIO
 CANADA M2A 2W3

FAX (705) 578-5123 TEL (705) 378-2416
 DATE: *MM*

SAMPLE DIRECTORY/NUMBER: DATA5 /376
SAMPLE ID: Hole 89-8 # 883
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 11:28:18 09/05/91
REPT 11:48:23 09/05/91
TOT RUN TIME 0:07:32
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7263 cp

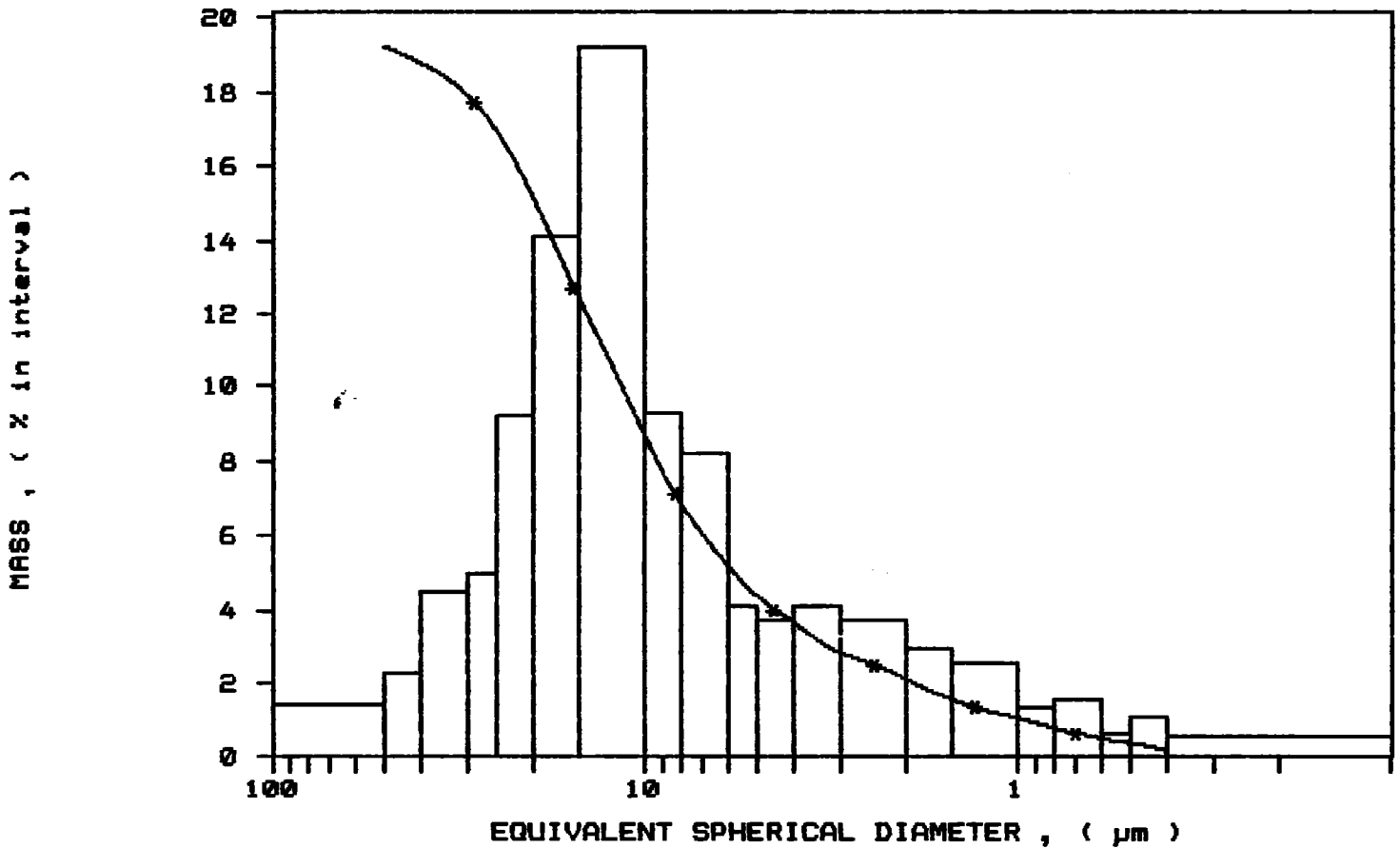
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /376
SAMPLE ID: Hole 89-8 # 883
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 11:28:18 09/05/91
REPT 11:48:23 09/05/91
TOT RUN TIME 0:07:32
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



Hole 89-8 # 884

SediGraph 5100 V2.03

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /377
 SAMPLE ID: Hole 89-8 # 884
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.3 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 11:57:59 09/05/91
 REPRT 12:17:55 09/05/91
 TOT RUN TIME 0:07:22
 SAM DENS: 2.6000 g/cc
 LIQ DENS: 0.9943 g/cc
 LIQ VISC: 0.7331 cp

STARTING DIAMETER: 50.00 μ m
 ENDING DIAMETER: 0.40 μ m

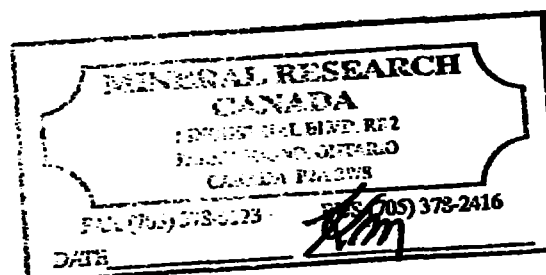
REYNOLDS NUMBER: 0.20
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 10.56 μ m

MODAL DIAMETER: 13.48 μ m

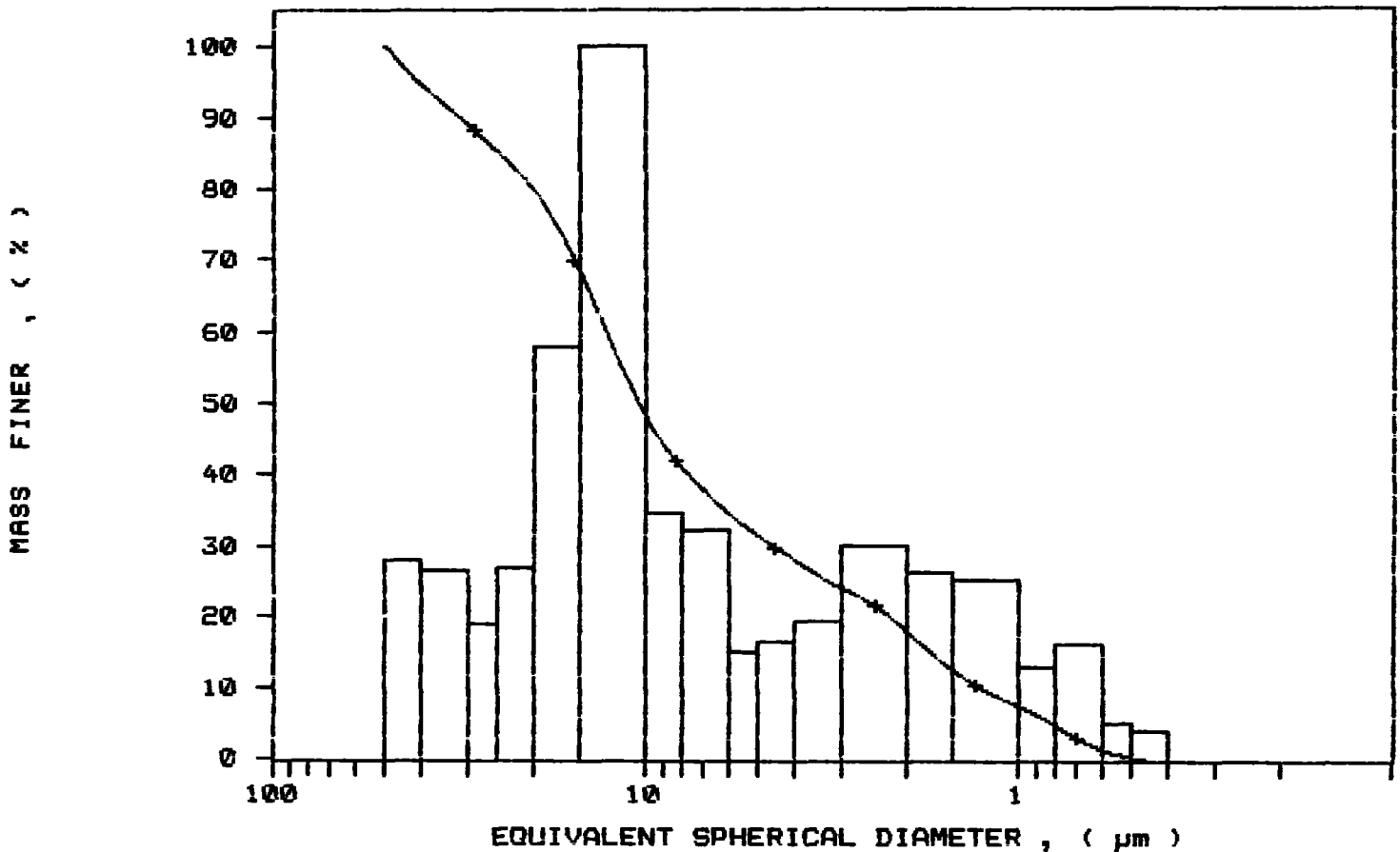
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	100.0	-0.0
40.00	94.4	5.7
30.00	89.0	5.3
25.00	85.2	3.9
20.00	79.7	5.5
15.00	68.0	11.7
10.00	47.7	20.2
8.00	40.7	7.0
6.00	34.2	6.5
5.00	31.2	3.0
4.00	27.8	3.4
3.00	23.8	4.0
2.00	17.8	6.1
1.50	12.5	5.3
1.00	7.4	5.1
0.80	4.8	2.6
0.60	1.4	3.3
0.50	0.3	1.1
0.40	-0.5	0.8



SAMPLE DIRECTORY/NUMBER: DATA5 /377
SAMPLE ID: Hole 89-8 # 884
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.3 deg C

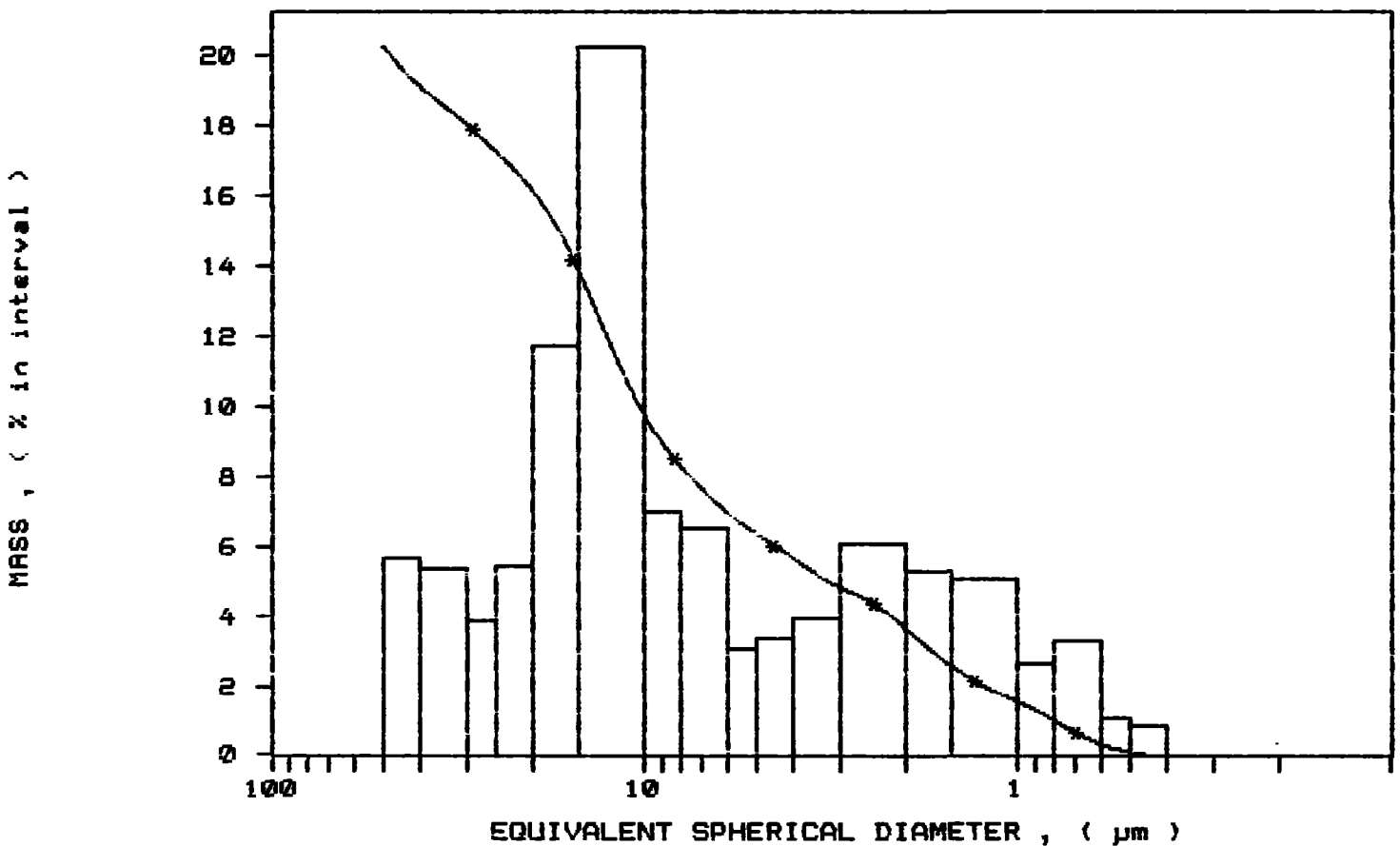
UNIT NUMBER: 1
START 11:57:59 09/05/91
REPT 12:17:55 09/05/91
TOT RUN TIME 0:07:22
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9943 g/cc
LIQ VISC: 0.7331 cp

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



SAMPLE DIRECTORY/NUMBER: DATA5 /377	UNIT NUMBER: 1
SAMPLE ID: Hole 89-8 # 884	START 11:57:59 09/05/91
SUBMITTER: # 39	REPT 12:17:55 09/05/91
OPERATOR: KM	TOT RUN TIME 0:07:22
SAMPLE TYPE: Clay	SAM DENS: 2.6000 g/cc
LIQUID TYPE: Water	LIQ DENS: 0.9943 g/cc
ANALYSIS TEMP: 34.3 deg C	RUN TYPE: High Speed
	LIQ VISC: 0.7331 cp

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

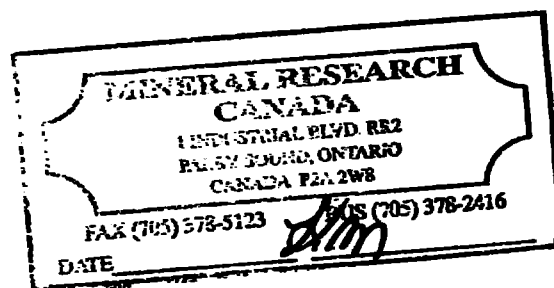


SAMPLE DIRECTORY/NUMBER: DATAS /378	UNIT NUMBER: 1
SAMPLE ID: Hole 89-8 # 885	START 12:25:31 09/05/91
SUBMITTER: # 39	REPRT 12:46:05 09/05/91
OPERATOR: KM	TOT RUN TIME 0:07:19
SAMPLE TYPE: Clay	SAM DENS: 2.6000 g/cc
LIQUID TYPE: Water	LIQ DENS: 0.9942 g/cc
ANALYSIS TEMP: 34.7 deg C	LIQ VISC: 0.7269 cp
RUN TYPE: High Speed	
STARTING DIAMETER: 50.00 μ m	REYNOLDS NUMBER: 0.21
ENDING DIAMETER: 0.40 μ m	FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 1.86 μ m MODAL DIAMETER: 0.40 μ m

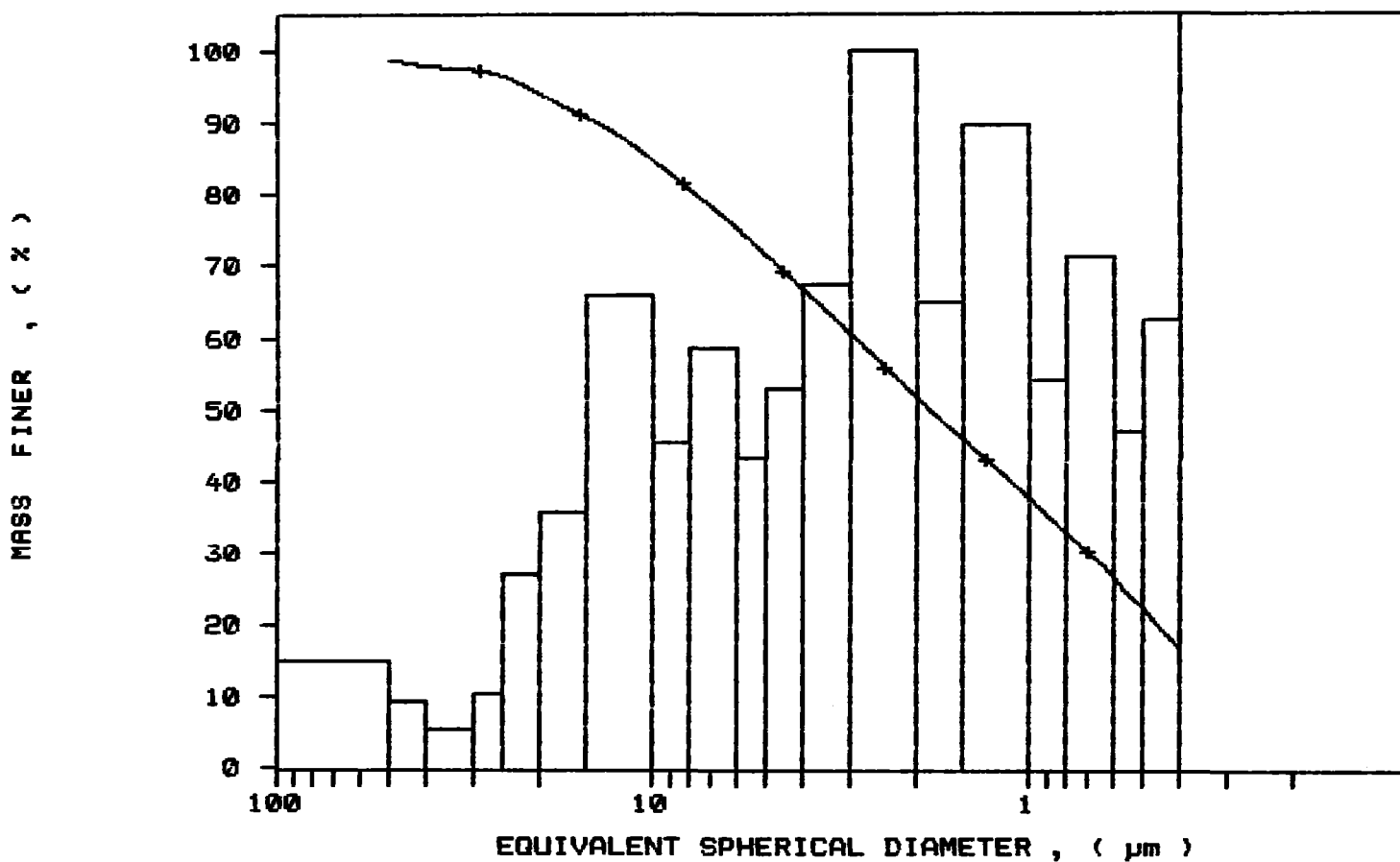
DIAMETER (μ m)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	98.6	1.4
40.00	97.8	0.9
30.00	97.2	0.5
25.00	96.3	1.0
20.00	93.9	2.4
15.00	90.6	3.3
10.00	84.7	5.9
8.00	80.6	4.1
6.00	75.3	5.3
5.00	71.4	3.9
4.00	66.6	4.8
3.00	60.5	6.1
2.00	51.5	9.0
1.50	45.7	5.9
1.00	37.6	8.1
0.80	32.7	4.9
0.60	26.3	6.4
0.50	22.0	4.2
0.40	16.4	5.6



SAMPLE DIRECTORY/NUMBER: DATAS /378
SAMPLE ID: Hole 89-8 # 885
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 12:25:31 09/05/91
REPR 12:46:05 09/05/91
TOT RUN TIME 0:07:19
SAM DENS: 2.6000 g/cc
LIQ DENS: 0.9942 g/cc
LIQ VISC: 0.7269 cp

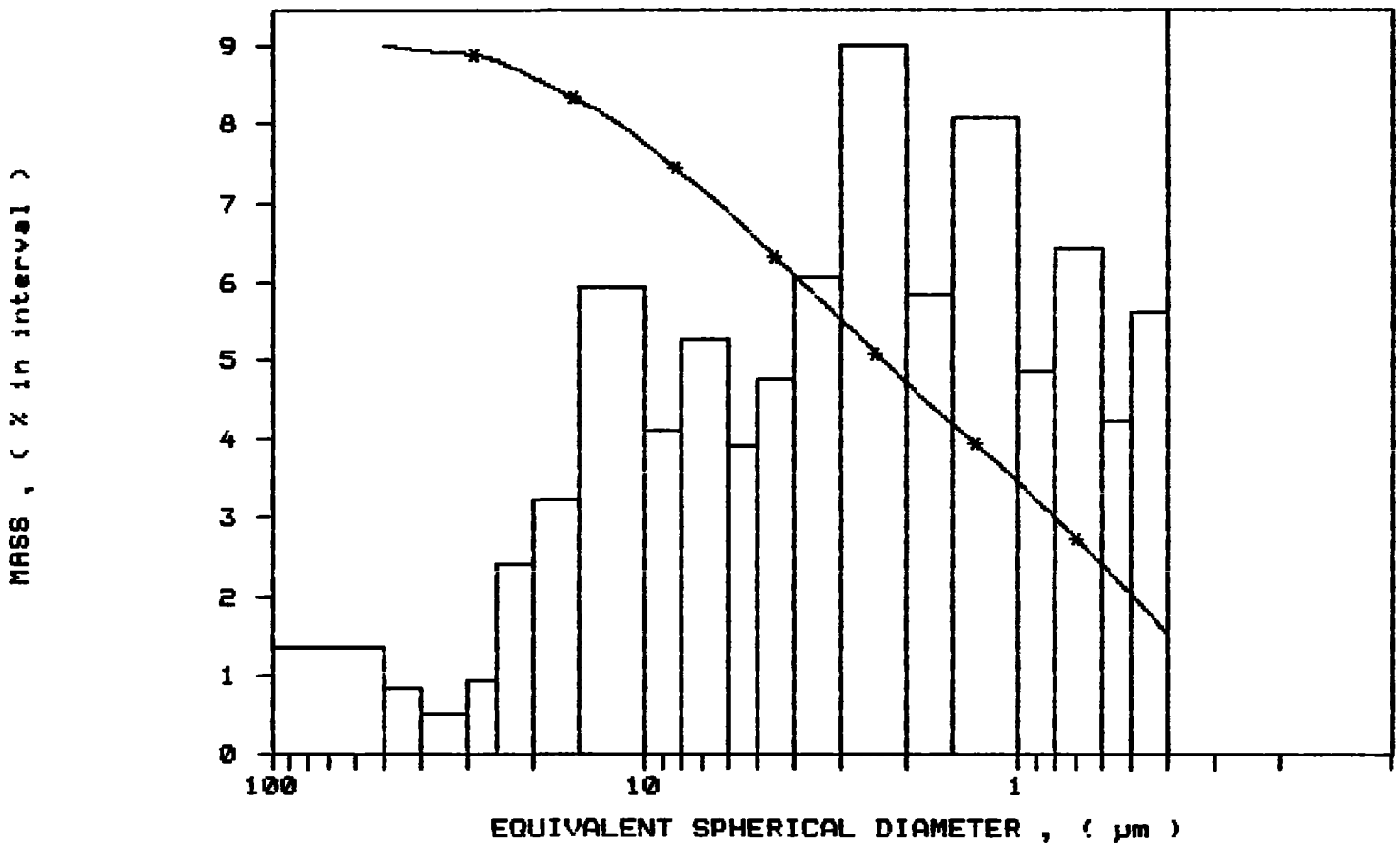
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /378
SAMPLE ID: Hole 89-8 # 885
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 12:25:31 09/05/91
REPR 12:46:05 09/05/91
TOT RUN TIME 0:07:19
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 /379
 SAMPLE ID: Hole 89-8 # 886
 SUBMITTER: # 39
 OPERATOR: KM
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 12:47:24 09/05/91
 REPR 12:54:55 09/05/91
 TOT RUN TIME 0:07:10
 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

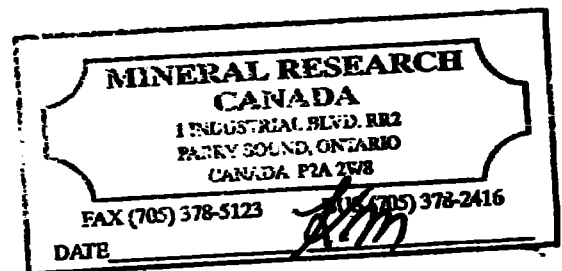
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS %: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 2.77 µm

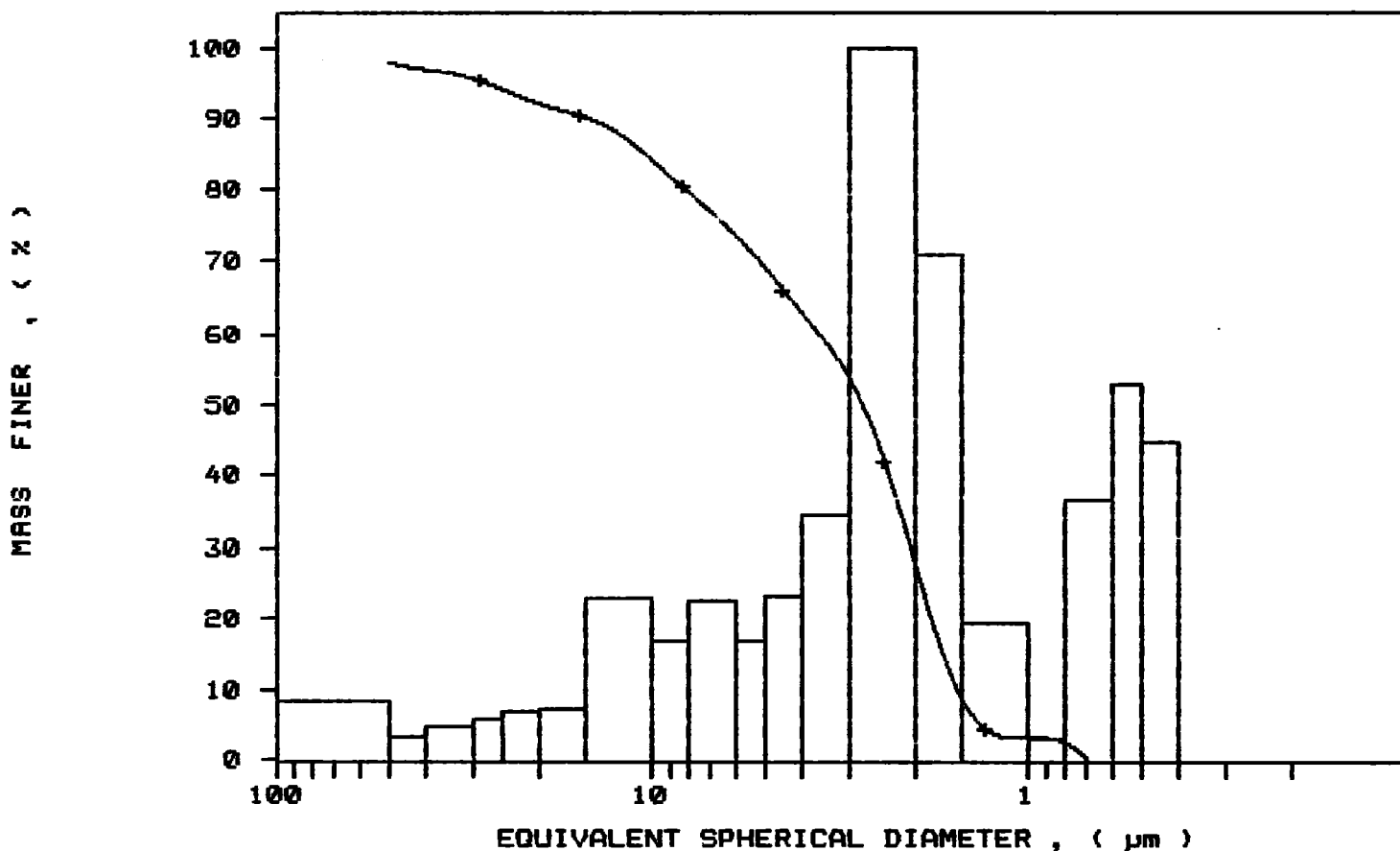
MODAL DIAMETER: 2.04 µm

DIAMETER (µm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	97.7	2.2
40.00	96.8	0.9
30.00	95.5	1.3
25.00	93.9	1.6
20.00	92.0	1.9
15.00	90.0	2.0
10.00	83.9	6.1
8.00	79.4	4.5
6.00	73.5	6.0
5.00	69.0	4.5
4.00	62.8	6.1
3.00	53.7	9.1
2.00	27.3	26.4
1.50	8.5	18.8
1.00	3.3	5.2
0.80	2.5	0.8
0.60	-7.3	9.7
0.50	-21.2	14.0
0.40	-33.1	11.8



SAMPLE DIRECTORY/NUMBER: DATA5 /379	UNIT NUMBER: 1
SAMPLE ID: Hole 89-8 # 886	START 12:47:24 09/05/91
SUBMITTER: # 39	REPRY 12:54:55 09/05/91
OPERATOR: KM	TOT RUN TIME 0:07:10
SAMPLE TYPE: Clay	SAM DENS: 2.6000 g/cc
LIQUID TYPE: Water	LIQ DENS: 0.9942 g/cc
ANALYSIS TEMP: 34.7 deg C	RUN TYPE: High Speed
	LIQ VISC: 0.7269 cp

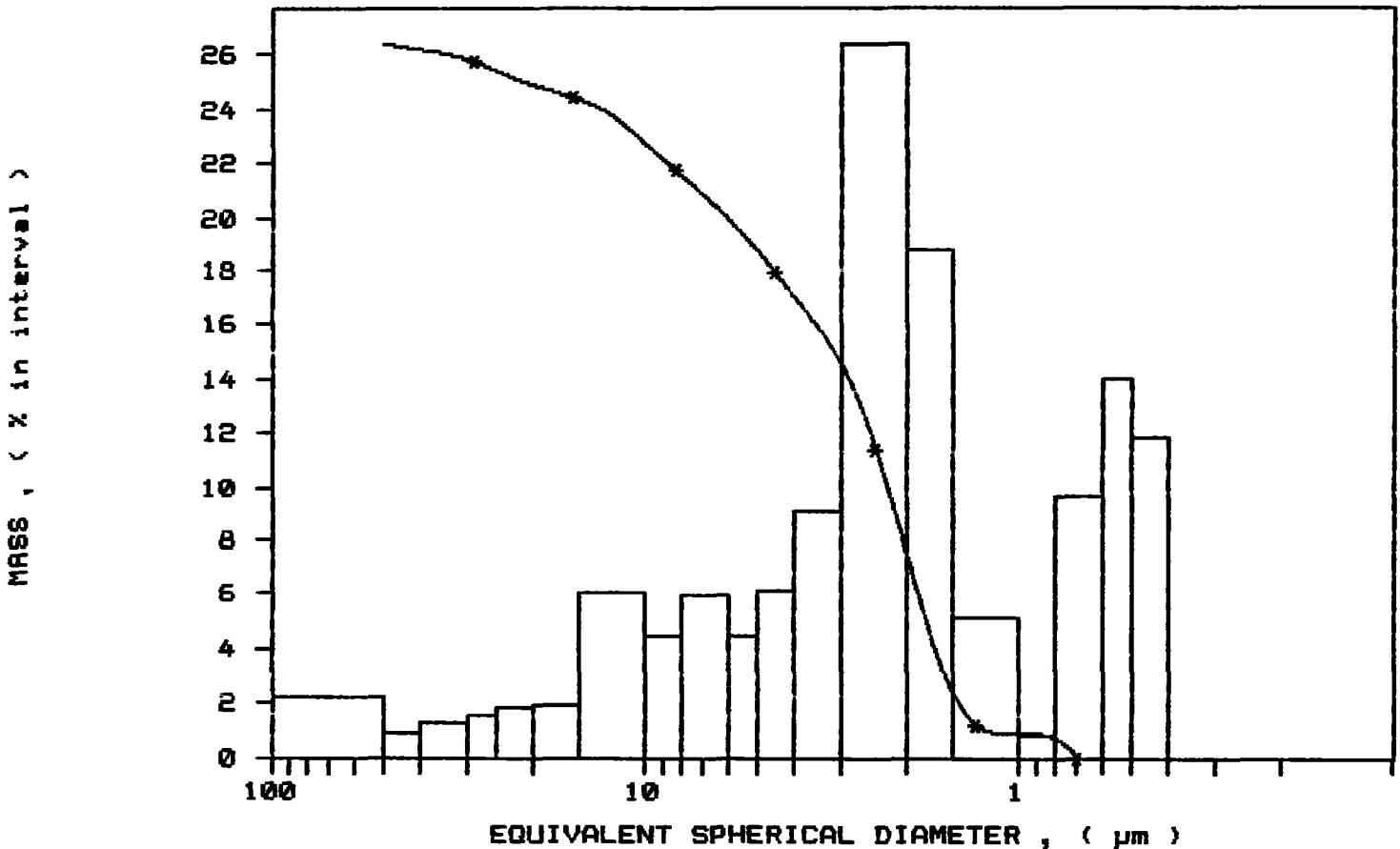
+ CUMULATIVE MASS PERCENT FINER VS. DIAMETER
MASS POPULATION VS. DIAMETER



SAMPLE DIRECTORY/NUMBER: DATA5 /379
SAMPLE ID: Hole 89-8 # 886
SUBMITTER: # 39
OPERATOR: KM
SAMPLE TYPE: Clay
LIQUID TYPE: Water
ANALYSIS TEMP: 34.7 deg C

UNIT NUMBER: 1
START 12:47:24 09/05/91
REPT 12:54:55 09/05/91
TOT RUN TIME 0:07:10
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



Hole 89-8 # 887

SediGraph 5100 V2.03

PAGE 1

SAMPLE DIRECTORY/NUMBER: DATA5 /380
 SAMPLE ID: Hole 89-8 # 887
 SUBMITTER: # 39
 OPERATOR: KH
 SAMPLE TYPE: Clay
 LIQUID TYPE: Water
 ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

UNIT NUMBER: 1
 START 13:34:20 09/05/91
 REPRY 18:10:21 09/05/91
 TOT RUN TIME 0:07:17
 SAM DEN: 2.6000 g/cc
 LIQ DEN: 0.9942 g/cc
 LIQ VISC: 0.7271 cp

STARTING DIAMETER: 50.00 fm
 ENDING DIAMETER: 0.40 fm

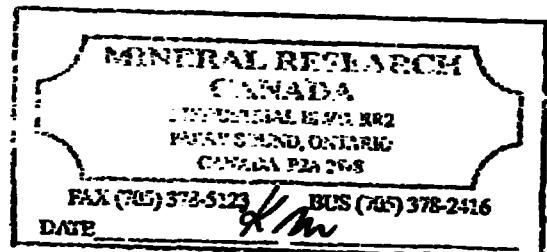
REYNOLDS NUMBER: 0.21
 FULL SCALE MASS Z: 100

MASS DISTRIBUTION

MEDIAN DIAMETER: 13.77 fm

MODAL DIAMETER: 26.01 fm

DIAMETER (fm)	CUMULATIVE MASS FINER (%)	MASS IN INTERVAL (%)
50.00	94.0	6.0
40.00	89.1	4.9
30.00	79.8	9.3
25.00	72.3	7.5
20.00	63.3	9.0
15.00	52.9	10.5
10.00	40.5	12.4
8.00	35.2	5.3
6.00	29.0	6.2
5.00	25.9	3.1
4.00	22.9	3.0
3.00	19.1	3.8
2.00	12.6	6.5
1.50	7.9	4.7
1.00	4.9	3.1
0.80	3.7	1.1
0.60	2.3	1.5
0.50	1.0	1.3
0.40	-1.4	2.4



SAMPLE DIRECTORY/NUMBER: DATAS /380

UNIT NUMBER: 1

SAMPLE ID: Hole 89-8 # 887

START 13:34:20 09/05/91

SUBMITTER: # 39

REPT 18:10:21 09/05/91

OPERATOR: YH

TOT RUN TIME 0:07:17

SAMPLE TYPE: Clay

SAN DENS: 2.6000 g/cc

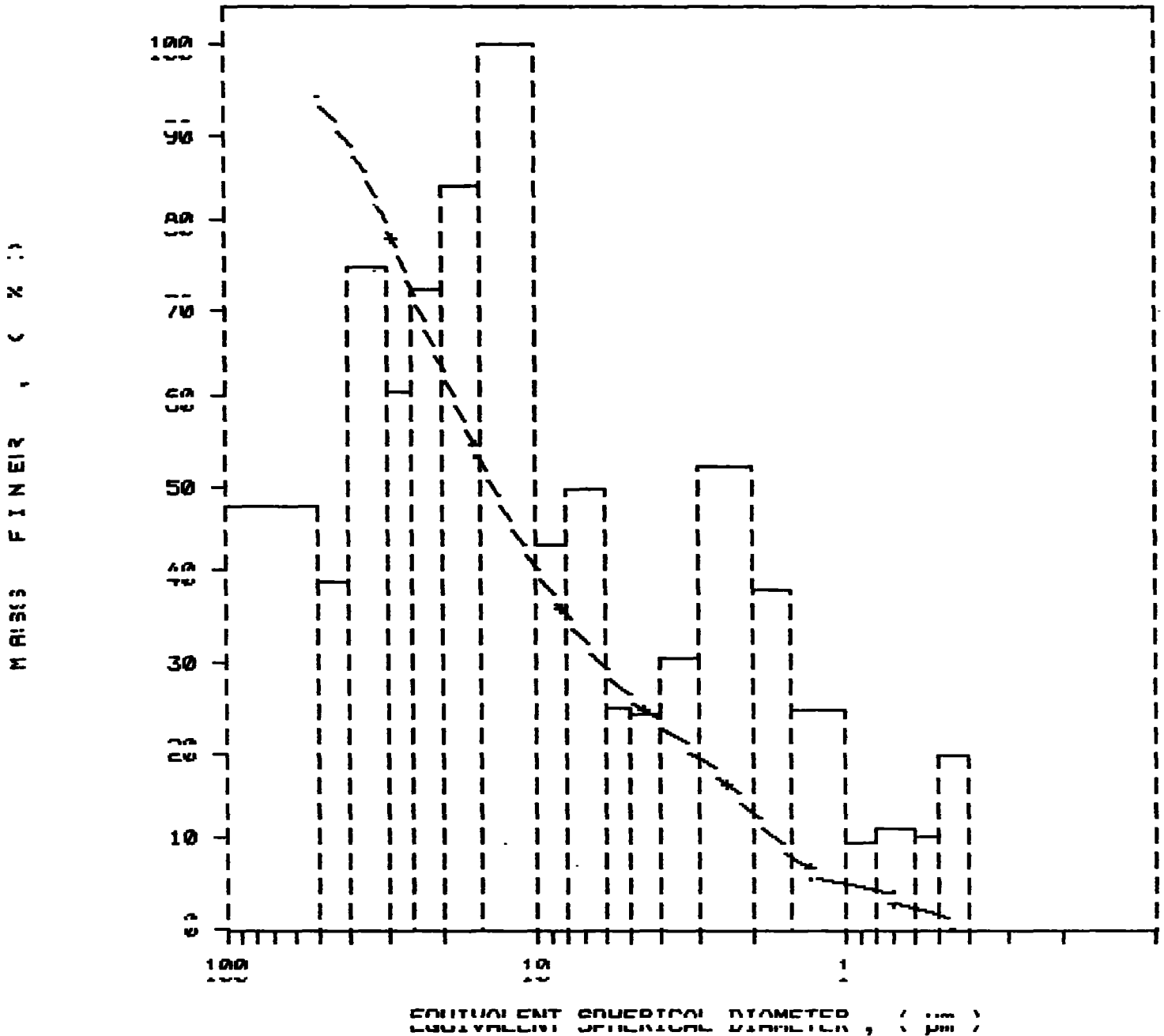
LIQUID TYPE: Water

LIQ DENS: 0.9942 g/cc

ANALYSIS TEMP: 34.7 deg C RUN TYPE: High Speed

LIQ VISC: 0.7271 cp

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





Ministry of Northern Development and Mines

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9262.00017

This information will be used for correspondence. Questions about them Development and Mines, Fourth Floor, 159 Cedar Street,



42J61NE0001 2.14570 KIPLING

900

2.14570

...s of filing assessment work or consult the Mining

Recorder.

- A separate copy of this form must be completed for each Work Group.
- Technical reports and maps must accompany this form in duplicate.
- A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded (date) **198839** **Ontario Limited** **N2C 288** Client No. **100878**
75 Adelt Place, Kitchener, ON Telephone No. **519-745-1101**
Mining District **Occupine** Township/Area **Kipling** M or G Plan No.
Date Work Performed From: **Aug. 28, 1990** To: **Sept 5, 1991**

Work Performed (Check One Work Group Only)

Geotechnical Survey	RECEIVED	Type	
Physical Work, including Drilling	MAY 19 1992		
Rehabilitation	MINING LANDS BRANCH		
Other Work Authorized	Subsection 13(a)		RECEIVED FEB 20 1992
Assessment from			

Total Assessment Work Claimed on the Attached Statement of Costs \$ **12,970**

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.

Person and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
H. Casselman	Mineral Research Canada Inc
F. Walstrom	Industrial Blvd
	R. R # 2
	Parry Sound, ON

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FEB 20 1992

(attach schedule if necessary) Receipt

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 are recorded in the current holder's name or held under a beneficial interest by the current recorded holder.

Date: **FEB. 19/92** 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: **Fane Casselman** (as above M.R.C. Inc)
Address of Person Certifying: **(as above M.R.C. Inc)**
Tele. No.: **(70) 378-2416** Date: **Feb. 18, 1992** Certified By (Signature): **[Signature]**

For Office Use Only

Total Assessment Cr. Recorded	Date Recorded	Mining Recorder	Recorder
\$12,970	FEB 23/92	[Signature]	[Signature]
	Deemed Approval Date	Date Approved	
	MAY 20/92		
	Date Notice for Amendments Sent		
	APR 19/92		

RECEIVED
FEB 20 1992



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 recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un record des concessions minières. Adresser toute question sur la collecte de renseignements au chef provincial des terrains miniers, ministère Développement du Nord et des Mines, 159, rue Cedar, 4^e 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'œuvre			
	Field Supervision Supervision sur le terrain			
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Lab Tests Section 130 = 3980 Rotops 46 x 105 = 4830 MORNING 76 x 45 = 3420 PH 7 x 10 = 70			
	Supplies Used Fournitures utilisées		12,970	
	RECEIVED			
	MAY 19 1992			
Equipment Rental Location de matériel	Type MINING LANDS BRANCH			
Total Direct Costs Total des coûts directs				

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	Total
Transportation Transport	Type REGORDED FEB 20 1992 Receipt		
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 en effet. Si la vérification n'est pas effectuée, le ministre peut rejeter 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 _____ I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que les dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-jointe.

Et qu'à titre de _____ je suis en
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature _____ Date FEB. 1992

FED. 20,17776 W 9 2 00.000.11

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
N/A	P970179	1
N/A	P825798	1
N/A	P112299	1
N/A	P112296	1
N/A	P112291	1
N/A	P112288	1
N/A	P112283	1
N/A	P112360	1
N/A	P112295	1
N/A	P112292	1
N/A	P112287	1
N/A	P112284	1
N/A	P112301	1
N/A	P112294	1
N/A	P112293	1
N/A	P112236	1
N/A	P112285	1
Total Number of Claims Work Assigned		15

Value of Assessment of Work Done on this Claim	Value Applied to this Claim
2,610	0
10,360	0
0	730
0	935
0	935
0	935
0	935
0	935
0	850
0	850
0	850
0	850
0	850
0	850
0	850
0	850
0	850
Total Value Work Done	Total Value Work Applied
12,970.00	12,970.00

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
2,610	0
10,360	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
Total Assigned from	Total Reserve
12,970.00	0

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 MAY 19 1992

A. Casabian

MINING LANDS BRANCH

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 prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

See attached sheet.

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
---	-----------	------



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Branch
Geoscience Approvals Section
159 Cedar Street, 4th Floor
Sudbury, Ontario
P3E 6A5

Telephone: (705) 670-7264

Fax: (705) 670-7262

May 27, 1992

Our File: 2.14570

Transaction #W9260.0017

Mining Recorder
Ministry of Northern Development
and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir/Madam:

**SUBJECT: APPROVAL OF ASSESSMENT WORK SUBMITTED ON MINING CLAIMS
P. 825798 ET AL. IN KIPLING TOWNSHIP**

The assessment work credits for the Applications of new methodology, section 18(9) of the Mining Act Regulations, have been approved as originally filed.

The approval date is May 19, 1992.

Please indicate this approval on your records.

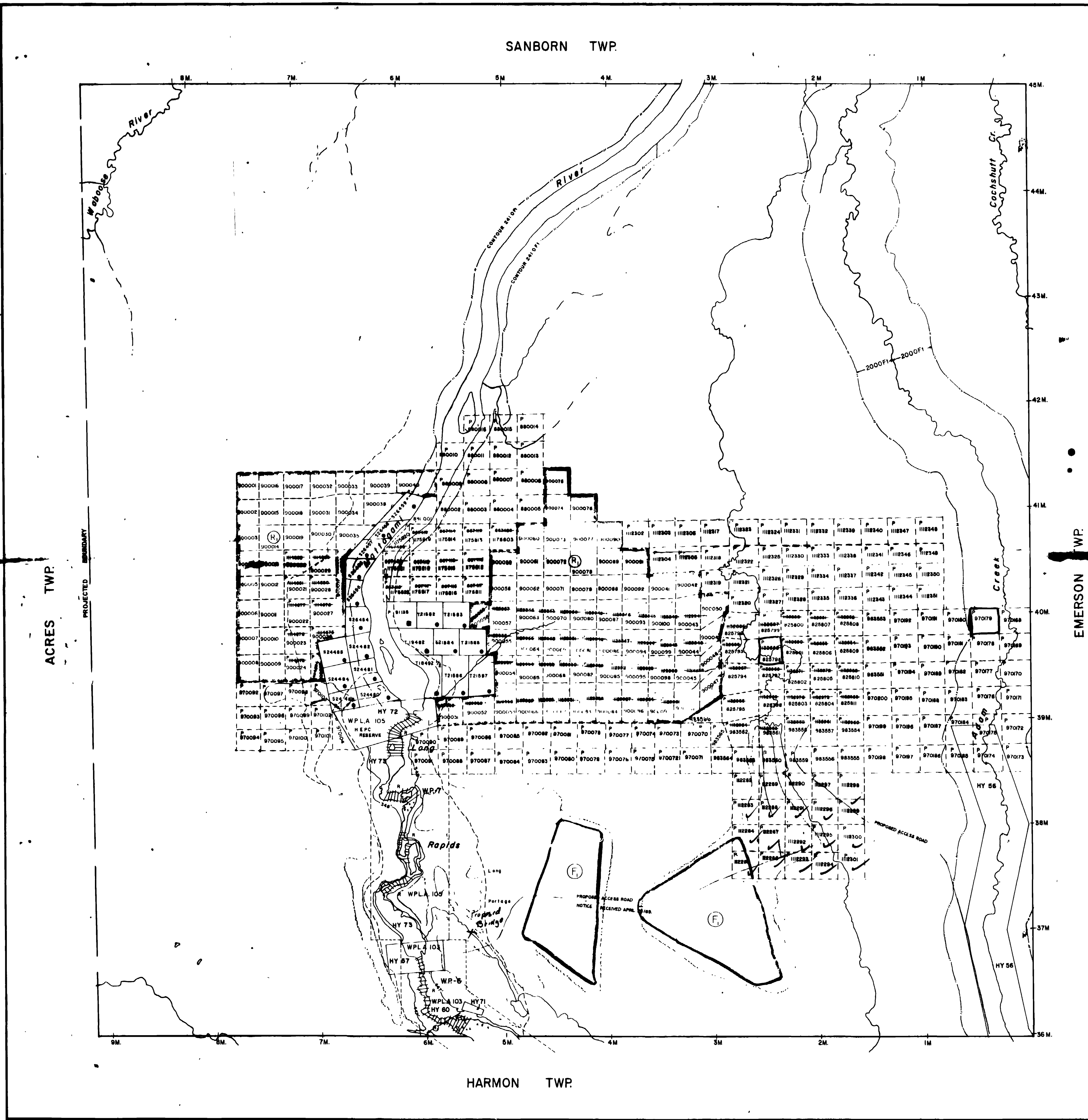
Yours sincerely,

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



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	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

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. 43, SUBSEC. 1

NOTES

FLOODING RESERVATION TO CONTOUR ELEVATION 2410 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

- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

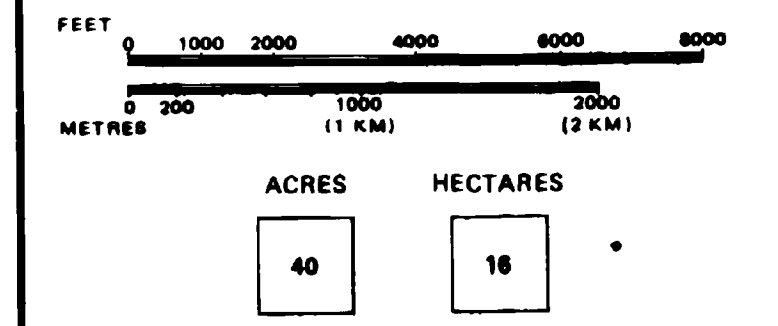
LAND NOT OPEN FOR STAKING SECTION 36(1) OF THE MINING ACT R.S.O. 1970

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MAY 19 1992

NOTES MINING LANDS BRANCH

THIS TWP IS SUBJECT TO FORESTRY ACTIVITIES IN 1990. FURTHER INFORMATION AVAILABLE ON FILE.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP OF
KIPLING
DISTRICT
COCHRANE
MINING DIVISION
PORCUPINE

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MAY 14 1992

Ministry of Natural Resources
Ontario

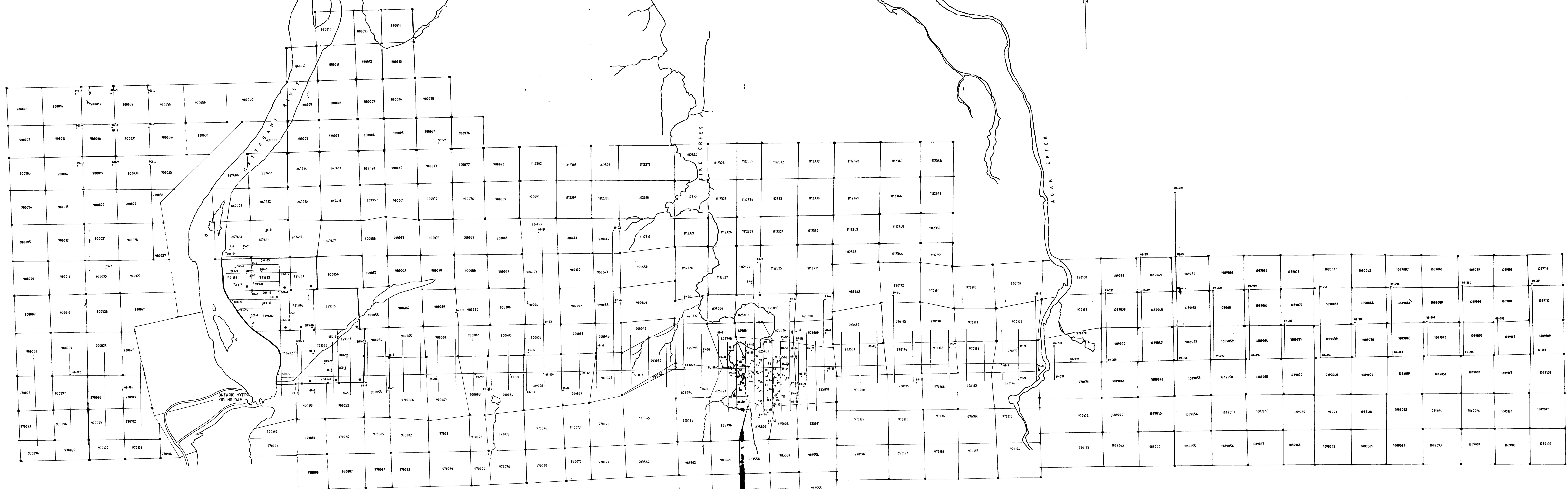
Ministry of Northern Development and Mines

Date JULY 1986 Plan No. G-896

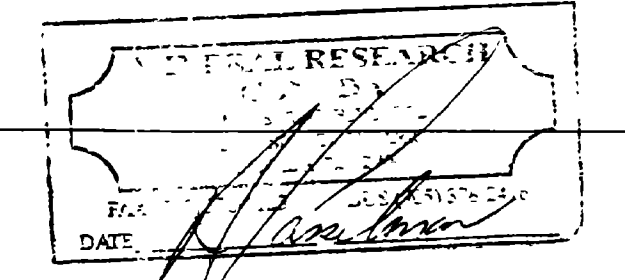
National Topographic Series
PLATTED MAY 1988
PLACED IN ACTIVE FILE 02/28/88

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.





● LEASED CLAYS
■ PATENTED CLAYS



2-4570 RECEIVED
MAY 19 1992
MINING LANDS BRANCH

KIPLING PROJECT
CORPORATION
DRILL HOLE PLAN

SCALE 1:12500 1"=1000' DRAWING NO. DATE: JULY 1989
720 15 1982

