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Erosion of the slopes of gold-residue dams on the Transvaal highveld

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APPENDIX A

PARTICLE SIZE DISTRIBUTION CURVES

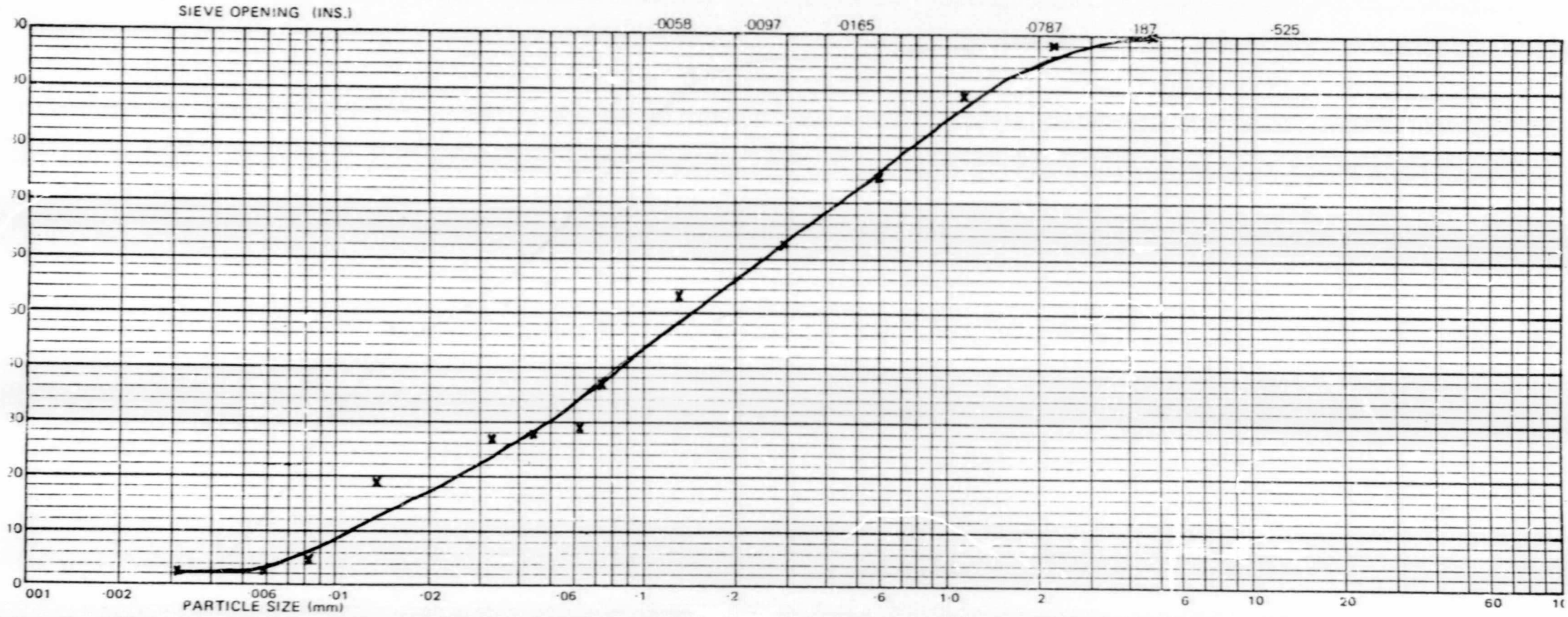
UNIVERSITY OF THE WITWATERSRAND

DEPARTMENT OF CIVIL ENGINEERING – SOILS LABORATORY

PARTICLE SIZE DISTRIBUTION

DATE: 15.05.85

PROJECT: SLIMES DAM EROSION BOREHOLE No. 0 DEPTH: 0 M SAMPLE No: 3L39



	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	
CLAY	SILT FRACTION			SAND FRACTION			GRAVEL FRACTION			

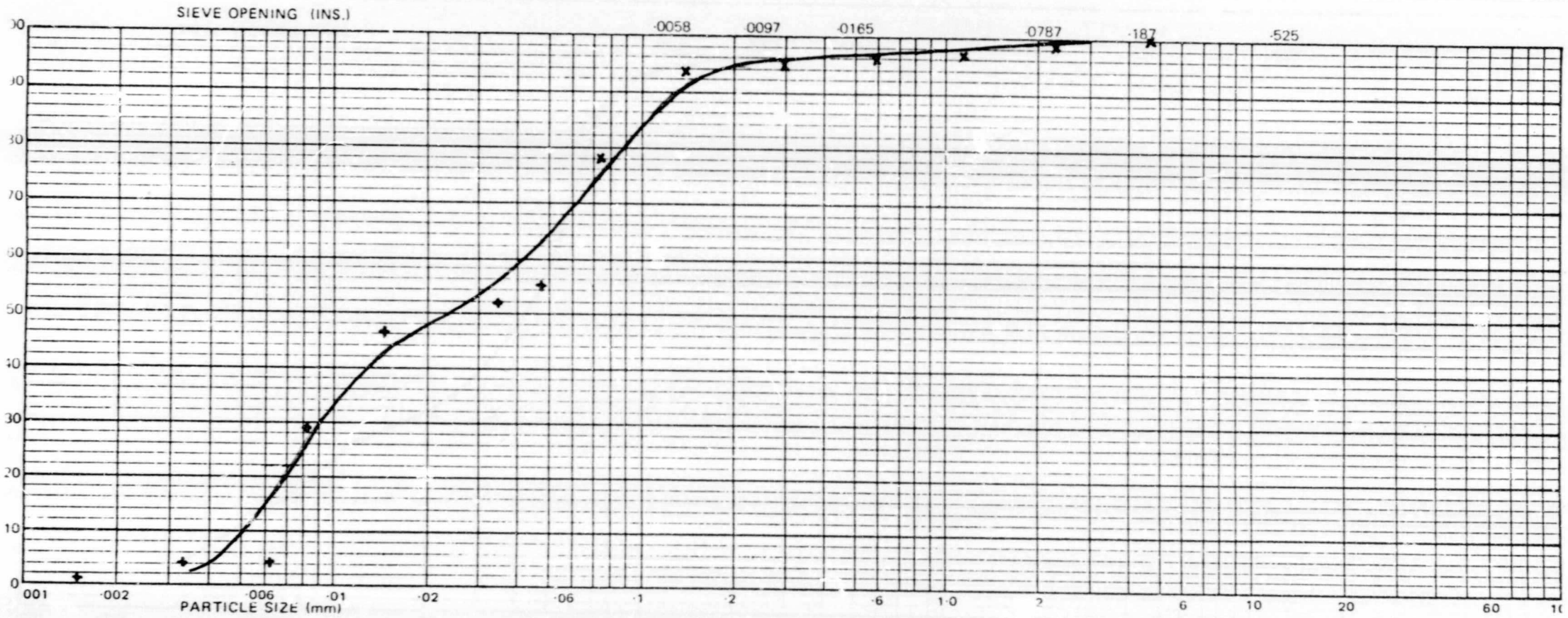
App. A.1 3L39 PARTICLE SIZE DISTRIBUTION

UNIVERSITY OF THE WITWATERSRAND

DEPARTMENT OF CIVIL ENGINEERING – SOILS LABORATORY

PARTICLE SIZE DISTRIBUTION

PROJECT: SLIMES DAM EROSION BOREHOLE No. O DEPTH: O M DATE: 15.05.85 SAMPLE No: Balmoral



	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	
CLAY	SILT FRACTION			SAND FRACTION			GRAVEL FRACTION			

App. A.2 BALMORAL PARTICLE SIZE DISTRIBUTION

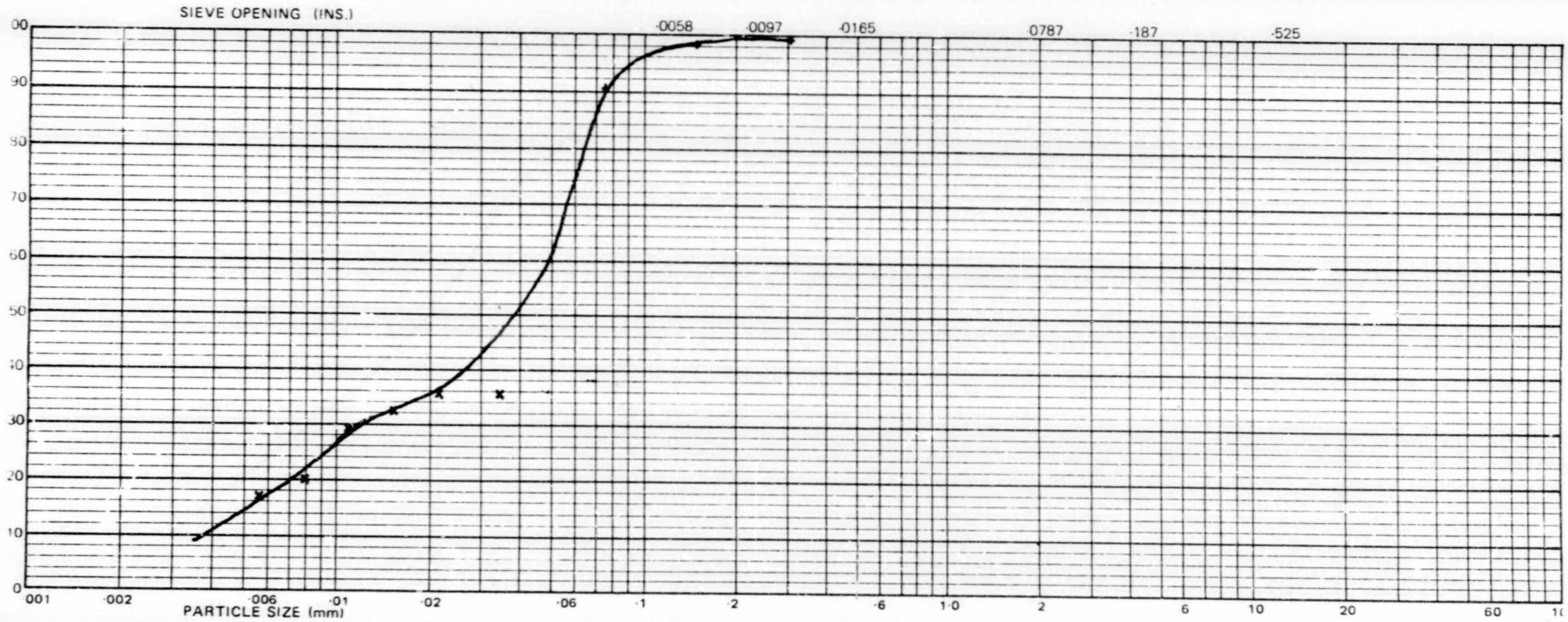
UNIVERSITY OF THE WITWATERSRAND

DEPARTMENT OF CIVIL ENGINEERING – SOILS LABORATORY

PARTICLE SIZE DISTRIBUTION

DATE: 28/11/84

PROJECT: SLIMES DAM EROSION BOREHOLE No: Ø DEPTH: Ø M SAMPLE No: GLENCAIRN



	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	
CLAY	SILT FRACTION			SAND FRACTION			GRAVEL FRACTION			

App. A.3 4L34 PARTICLE SIZE DISTRIBUTION

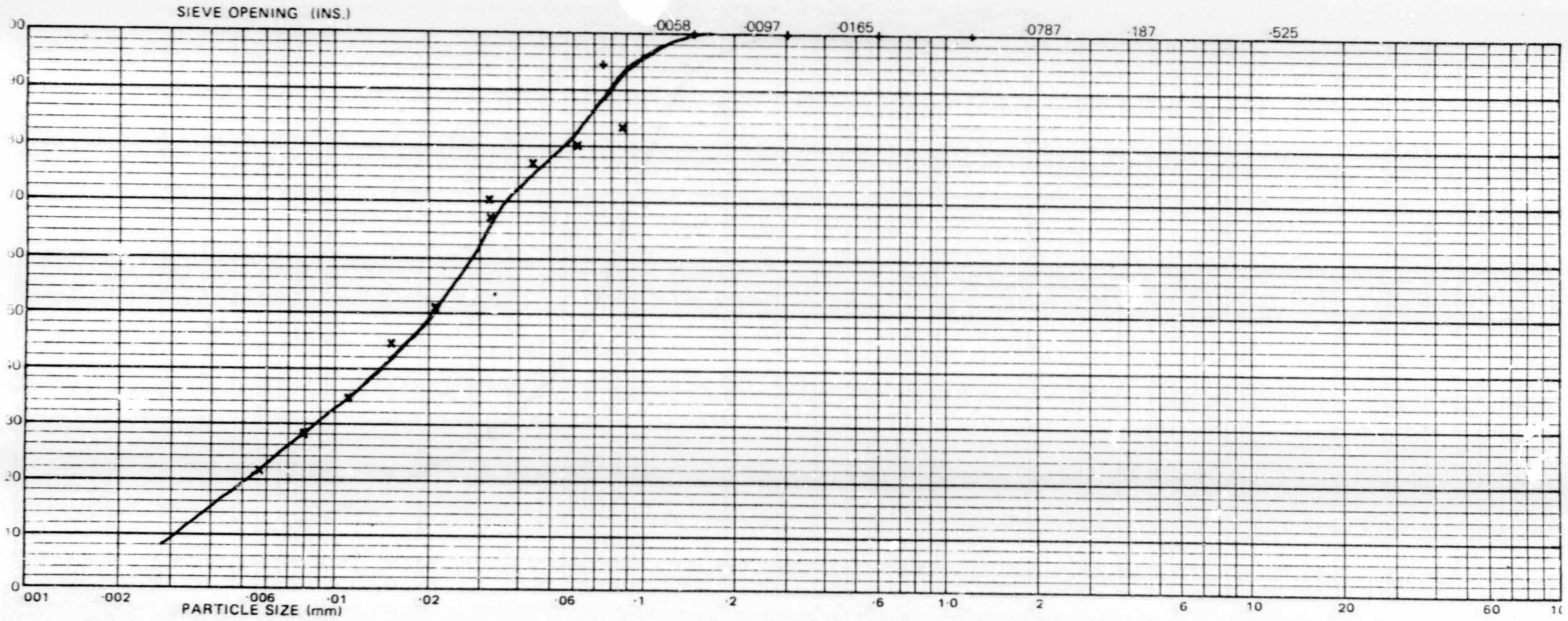
UNIVERSITY OF THE WITWATERSRAND

DEPARTMENT OF CIVIL ENGINEERING – SOILS LABORATORY

PARTICLE SIZE DISTRIBUTION

DATE: 28/11/84

PROJECT: SLIMES DAM EROSION BOREHOLE No. Ø DEPTH: Ø M SAMPLE No: 4L37



	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	
CLAY	SILT FRACTION			SAND FRACTION			GRAVEL FRACTION			

App. A.4 4L37 PARTICLE SIZE DISTRIBUTION

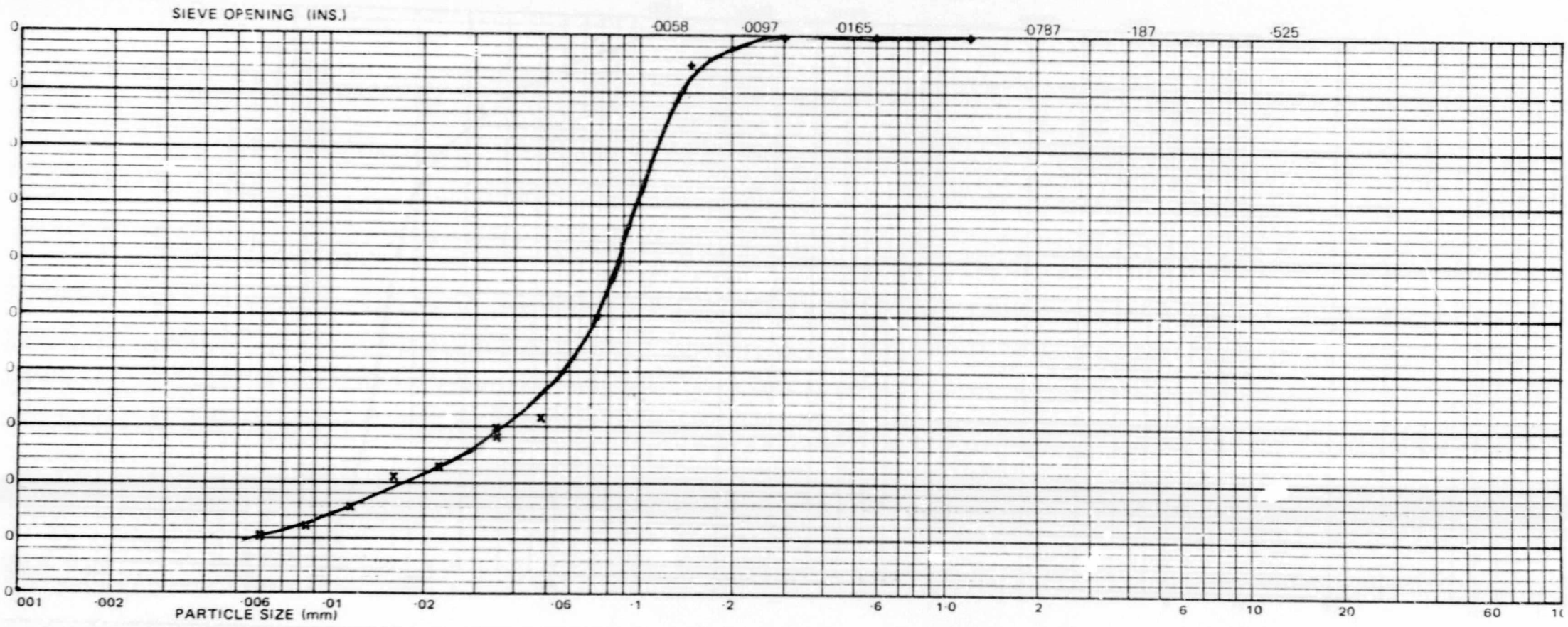
UNIVERSITY OF THE W[illegible]RAND

DEPARTMENT OF CIVIL ENG[illegible]NEER[illegible]G - SOILS LABORATORY

PARTICLE SIZE DISTRIBUTION

DATE: 28/11/84

PROJECT: SLIMES DAM EROSION BOREHOLE No Ø DEPTH: Ø M SAMPLE No: 4L36



	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	
CLAY	SILT FRACTION			SAND FRACTION			GRAVEL FRACTION			

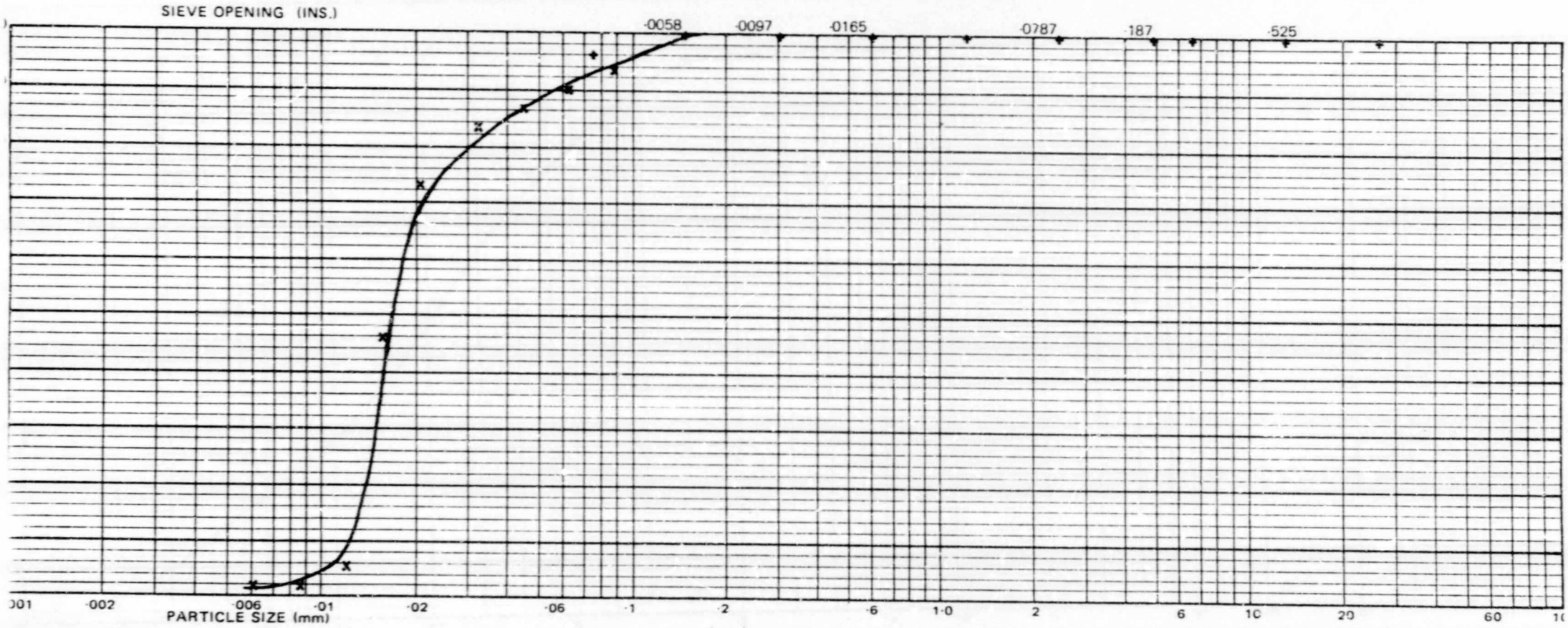
App. A.5 4L36 PARTICLE SIZE DISTRIBUTION

UNIVERSITY OF THE WITWATERSRAND

DEPARTMENT OF CIVIL ENGINEERING – SOILS LABORATORY

PARTICLE SIZE DISTRIBUTION

PROJECT: SLIMES DAM EROSION BOREHOLE No. Ø DEPTH: Ø M DATE: 28/11/84 SAMPLE No: 4L24



	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	
CLAY	SILT FRACTION			SAND FRACTION			GRAVEL FRACTION			

App. A.6 4L24 PARTICLE SIZE DISTRIBUTION

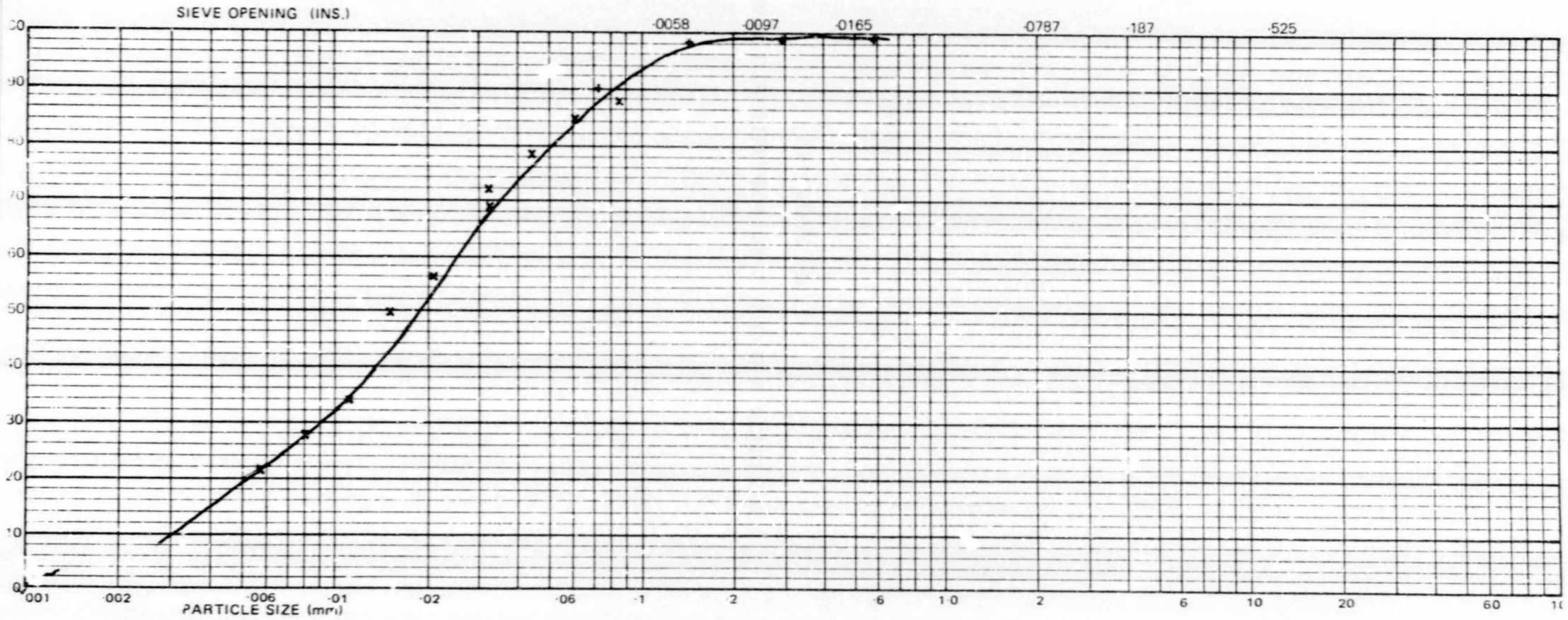
UNIVERSITY OF THE WITWATERSRAND

DEPARTMENT OF CIVIL ENGINEERING – SOILS LABORATORY

PARTICLE SIZE DISTRIBUTION

DATE: 20/11/84

PROJECT: SLIMES DAM EROSION BOREHOLE No. Ø DEPTH: Ø M SAMPLE No: 4L40



	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	
CLAY	SILT FRACTION			SAND FRACTION			GRAVEL FRACTION			

App. A.7 4L40 PARTICLE SIZE DISTRIBUTION

APPENDIX B

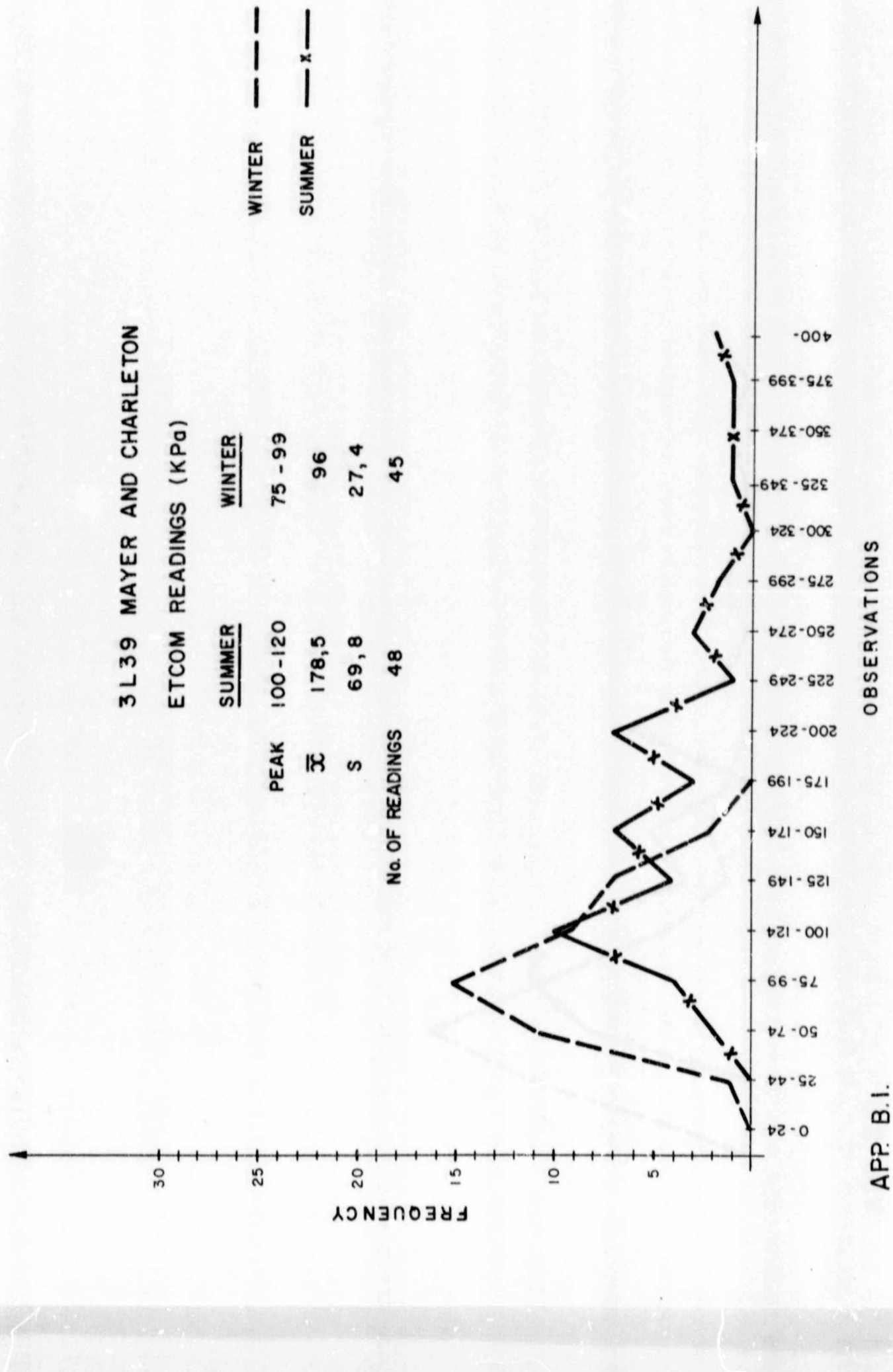
FREQUENCY DISTRIBUTION OF E T C O M READINGS

3L39 MAYER AND CHARLETON

ETCOM READINGS (KPa)

	SUMMER	WINTER
PEAK	100-120	75-99
$\bar{x}$	178,5	96
S	69,8	27,4
No. OF READINGS	48	45

WINTER ——— SUMMER —x—



APP. B.I.

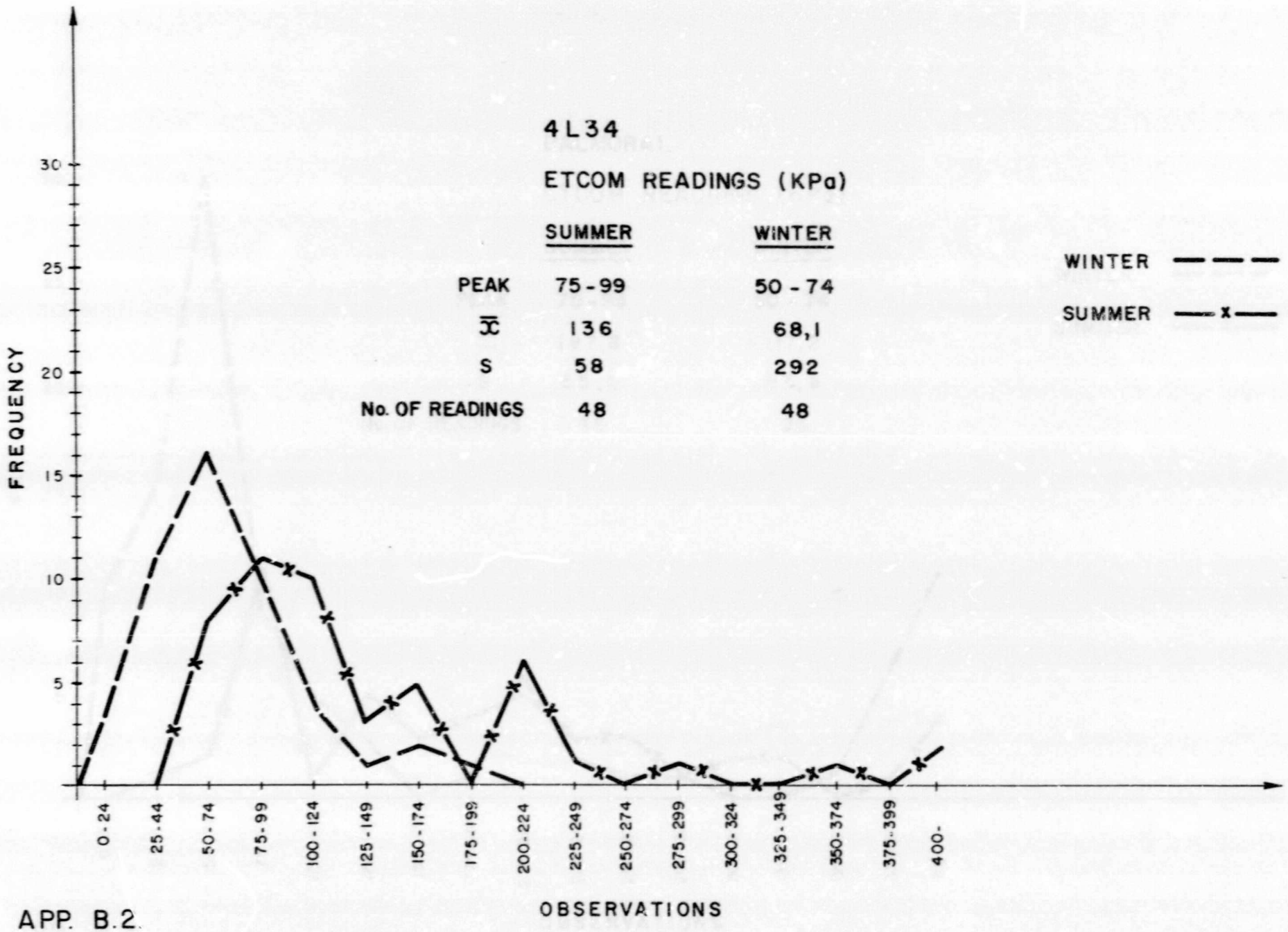
4L34

ETCOM READINGS (KPa)

	SUMMER	WINTER
PEAK	75-99	50-74
$\bar{x}$	136	68,1
S	58	292
No. OF READINGS	48	48

WINTER — — —

SUMMER —x—



APP. B.2.

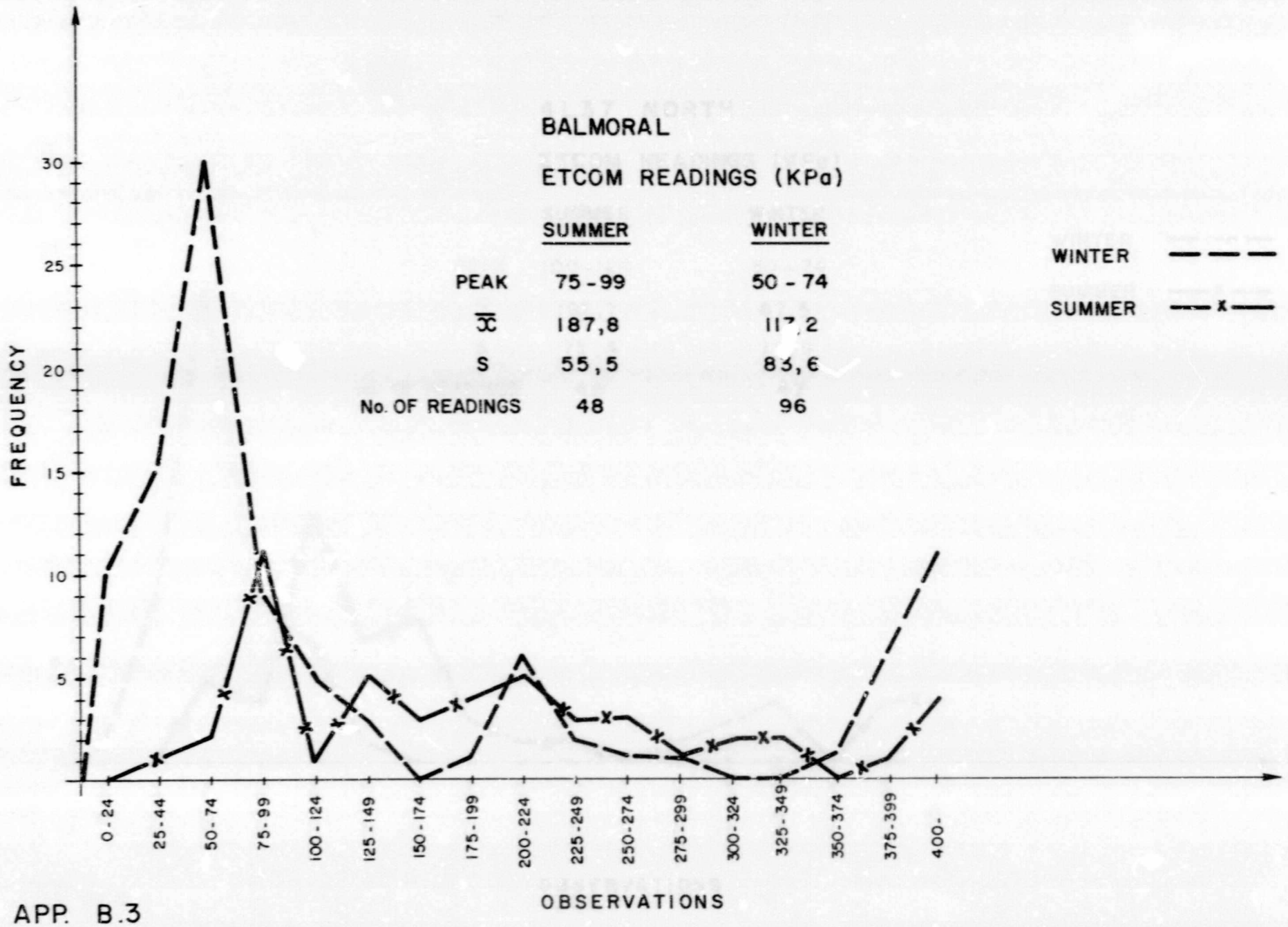
BALMORAL

ETCOM READINGS (KPa)

	SUMMER	WINTER
PEAK	75 - 99	50 - 74
$\overline{x}$	187,8	117,2
S	55,5	83,6
No. OF READINGS	48	96

WINTER — — —

SUMMER —x—



APP. B.3

.08

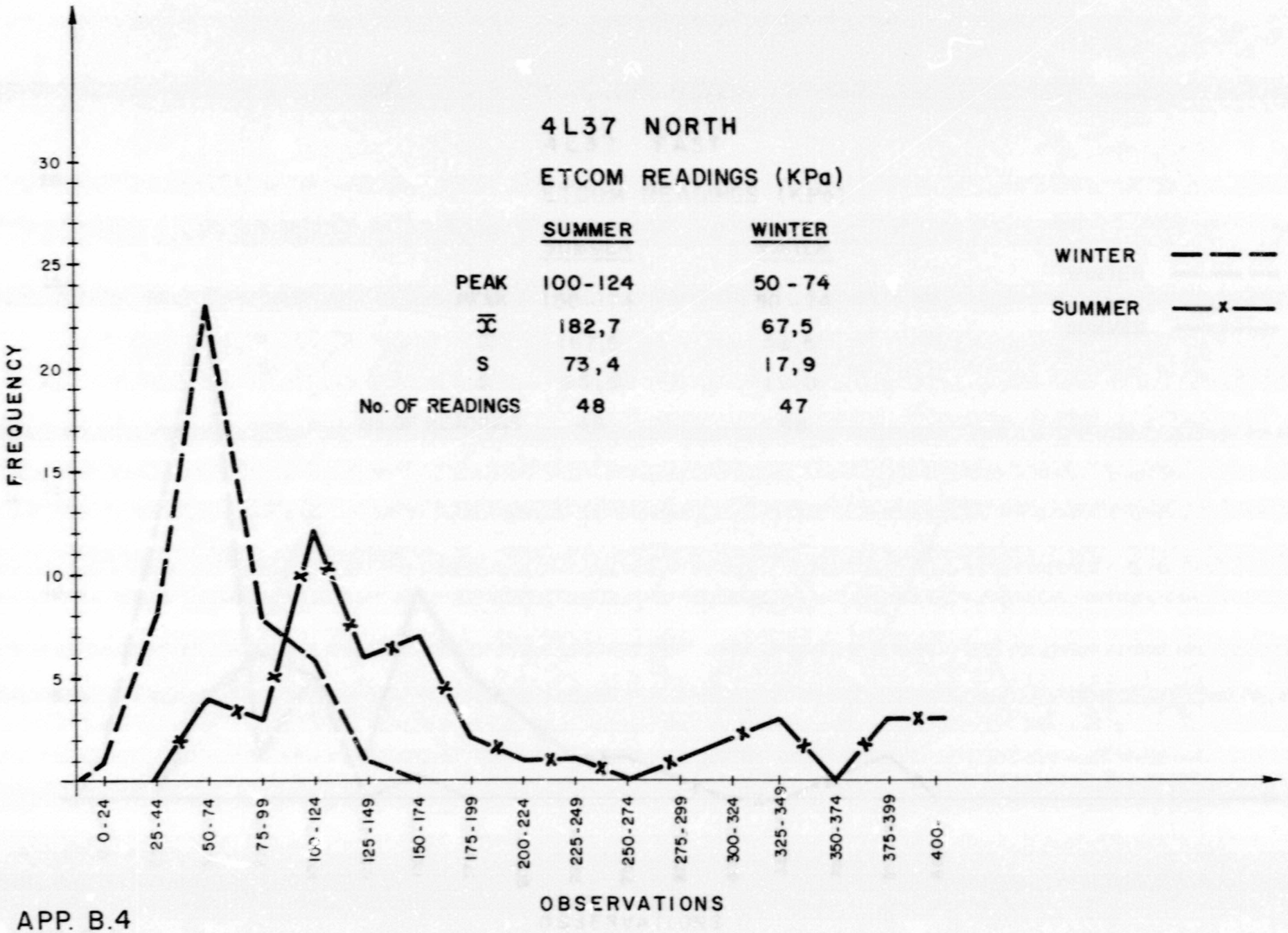
4L37 NORTH

ETCOM READINGS (KPa)

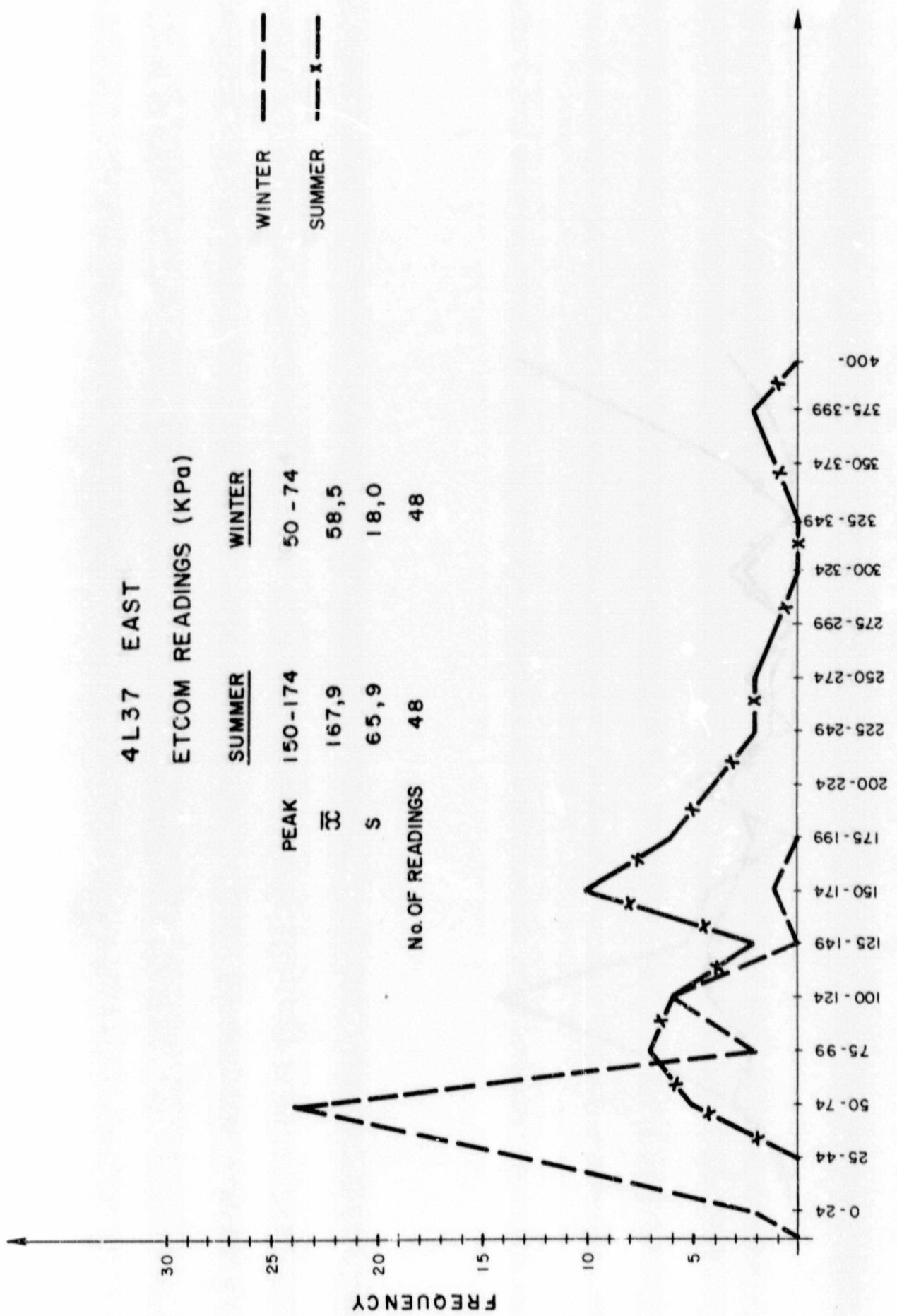
	SUMMER	WINTER
PEAK	100-124	50-74
$\bar{x}$	182,7	67,5
S	73,4	17,9
No. OF READINGS	48	47

WINTER — — —

SUMMER —x—



APP. B.4

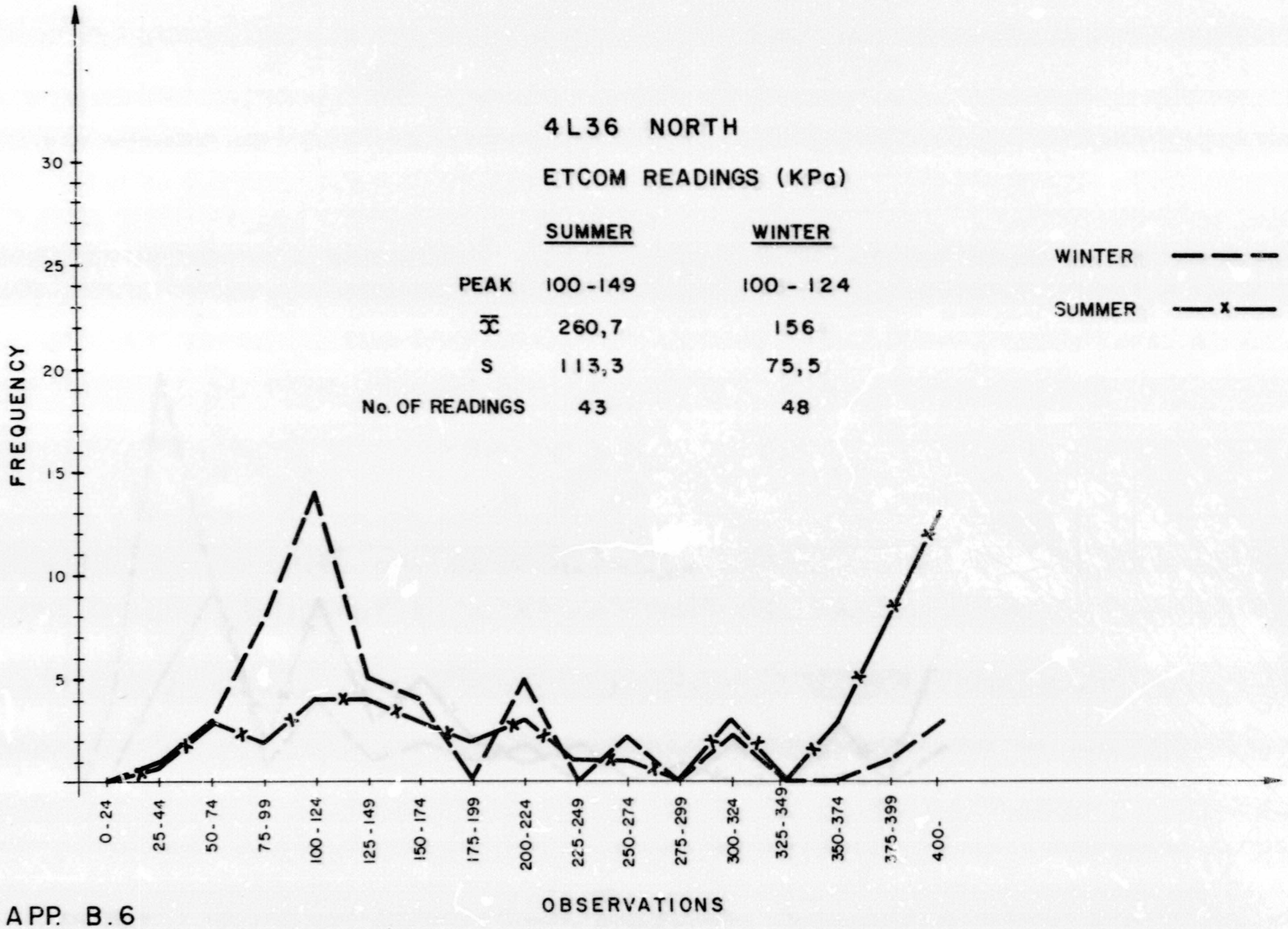

4L37 EAST
ETCOM READINGS (KPa)
WINTER
PEAK 50-74
x̄ 58,5
s 18,0
No. OF READINGS 48
SUMMER
PEAK 150-174
x̄ 167,9
s 65,9
No. OF READINGS 48
WINTER
SUMMER
FREQUENCY
OBSERVATIONS
0-24
25-44
50-74
75-99
100-124
125-149
150-174
175-199
200-224
225-249
250-274
275-299
300-324
325-349
350-374
375-399
400-
5
10
15
20
25
30

APP. B.5

4L36 NORTH

ETCOM READINGS (KPa)

	SUMMER	WINTER
PEAK	100-149	100 - 124
$\bar{x}$	260,7	156
S	113,3	75,5
No. OF READINGS	43	48



APP. B.6

Author Dorren Douglas Ian
Name of thesis Erosion Of The Slopes Of Gold-residue Dams On The Transvaal Highveld. 1986

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