

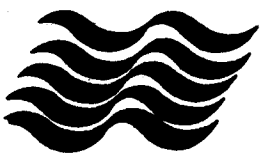
WATER RESOURCES PUBLICATION NO. 19

MEAN MONTHLY, MEAN SEASONAL AND MEAN ANNUAL RAINFALL MAPS FOR PENINSULAR MALAYSIA



JABATAN PENGAIRAN DAN SALIRAN
KEMENTERIAN PERTANIAN MALAYSIA

**MEAN MONTHLY, MEAN SEASONAL
AND MEAN ANNUAL RAINFALL MAPS
FOR PENINSULAR MALAYSIA**



**Jabatan Pengairan dan Saliran
Kementerian Pertanian Malaysia**

MEAN MONTHLY, MEAN SEASONAL AND MEAN ANNUAL RAINFALL MAPS FOR PENINSULAR MALAYSIA 1988

Contributors:

**Robiah bte Bani
Leong Tak Meng
Yip Hing Wai
Kelsom bte Alias**

**DRAINAGE AND IRRIGATION DEPARTMENT
MINISTRY OF AGRICULTURE**

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SUMMARY

This study on rainfall maps in Peninsular Malaysia consists of 12 Mean Monthly, 2 Mean Seasonal and 1 Mean Annual Rainfall Maps respectively.

Thirty-five (35) years i.e. from 1950 to 1985, of records was used in the plottings of these maps and the interval between isohyets for the Mean Monthly, Mean Seasonal and Mean Annual maps was 50mm, 250mm and 250mm respectively.

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1. INTRODUCTION

This study was initiated with the intention to update the Mean Monthly, Mean Seasonal and Mean Annual rainfall maps (1950 - 1975). This Water Resources Publication (WRP) Number 19 on rainfall maps in Peninsular Malaysia consists of 12 Mean Monthly, 2 Mean Seasonal and 1 Mean Annual Rainfall maps respectively. Those rainfall stations which have at least 5 years of rainfall data was used in the plotting of the rainfall maps.

2. METHODOLOGY

The most important criterion for plotting of the rainfall maps was based on the rainfall stations which must have at least 5 years of data. The record used for the plotting was from 1950 to 1985 that is 35 years of records. Those stations that was selected was based on the quality and continuity of records. In order to satisfy such a condition, a computer retrieval programme was written specially for this purpose. The location of each station used was digitized and stored in the computer. The results were plotted through a plotter and the isohyet maps was then drawn. Difficulties were encountered in the construction of the isohyet especially in the interior region for which the rainfall stations coverage is not adequate, references were then made to the relief maps of Peninsular Malaysia and to the previous isohyetal maps.

The interval between isohyets for the monthly, annual and seasonal maps was 50mm, 250mm and 250mm respectively. The selection of these intervals was selected due to convenience.

3. CONCLUSION

Although with the limitation of the accuracy of the isohyets in the interior regions, due to the network being sparse, reasonable estimation was achieved. The rainfall maps for Peninsular Malaysia are presented as follows :-

- (i) Appendix A1 to A12, are the Mean Monthly rainfall maps (January to December).
- (ii) Appendix B1 to B2, are the Mean Seasonal rainfall maps (October to December - Mean North East Monsoon and April to June - Mean South - West Monsoon).
- (iii) Appendix C, is the Mean Annual Rainfall maps.

The Mean Monthly, Mean Seasonal and Mean Annual Rainfall maps, and the location map of the Rainfall Stations in Peninsular Malaysia with a scale of 1:1 000 000 are also enclosed together with this publication.

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PENINSULAR MALAYSIA
MEAN **JANUARY** RAINFALL (mm)

1950 - 1985



NOTE:

This map should be read in conjunction with Water Resources Publication No. 19 - Mean Monthly, Mean Seasonal and Mean Annual Rainfall Maps.

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MEAN **FEBRUARY** RAINFALL (mm)

1950 - 1985



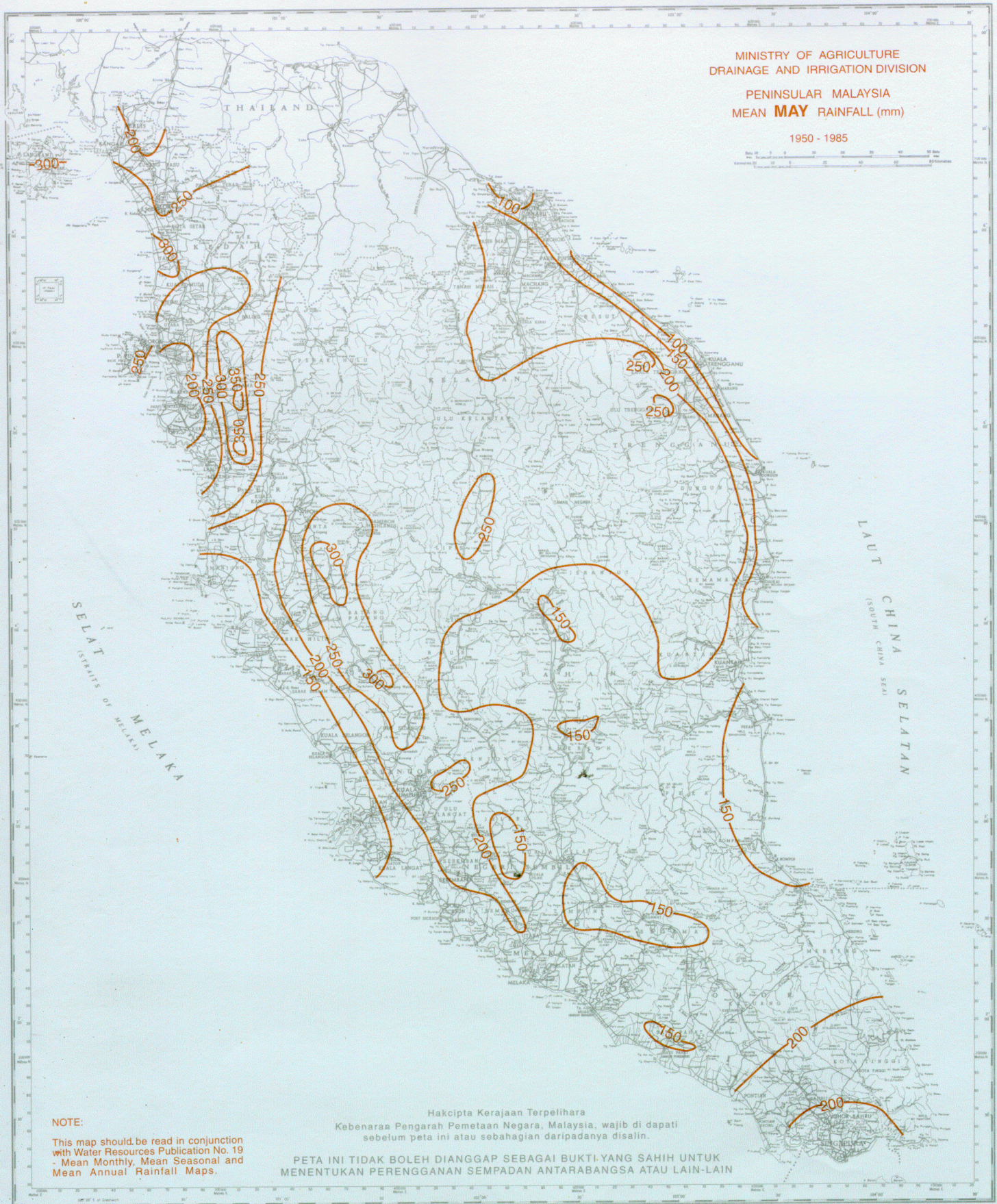




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MEAN **MAY** RAINFALL (mm)

1950 - 1985



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- Mean Monthly, Mean Seasonal and
Mean Annual Rainfall Maps.

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PENINSULAR MALAYSIA
MEAN **JUNE** RAINFALL (mm)

1950 - 1985



NOTE:

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Mean Annual Rainfall Maps.

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PENINSULAR MALAYSIA
MEAN JULY RAINFALL (mm)

1950 - 1985

Scale 1:1,000,000
Kilometres 0 10 20 30 40 50 60 70 80 90 100
Miles 0 10 20 30 40 50 60 70 80 90 100



NOTE:

This map should be read in conjunction with Water Resources Publication No. 19 - Mean Monthly, Mean Seasonal and Mean Annual Rainfall Maps.

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MEAN **AUGUST** RAINFALL (mm)

1950 - 1985

Scale 1:1,000,000
1 cm = 100 km
1 inch = 1600 miles



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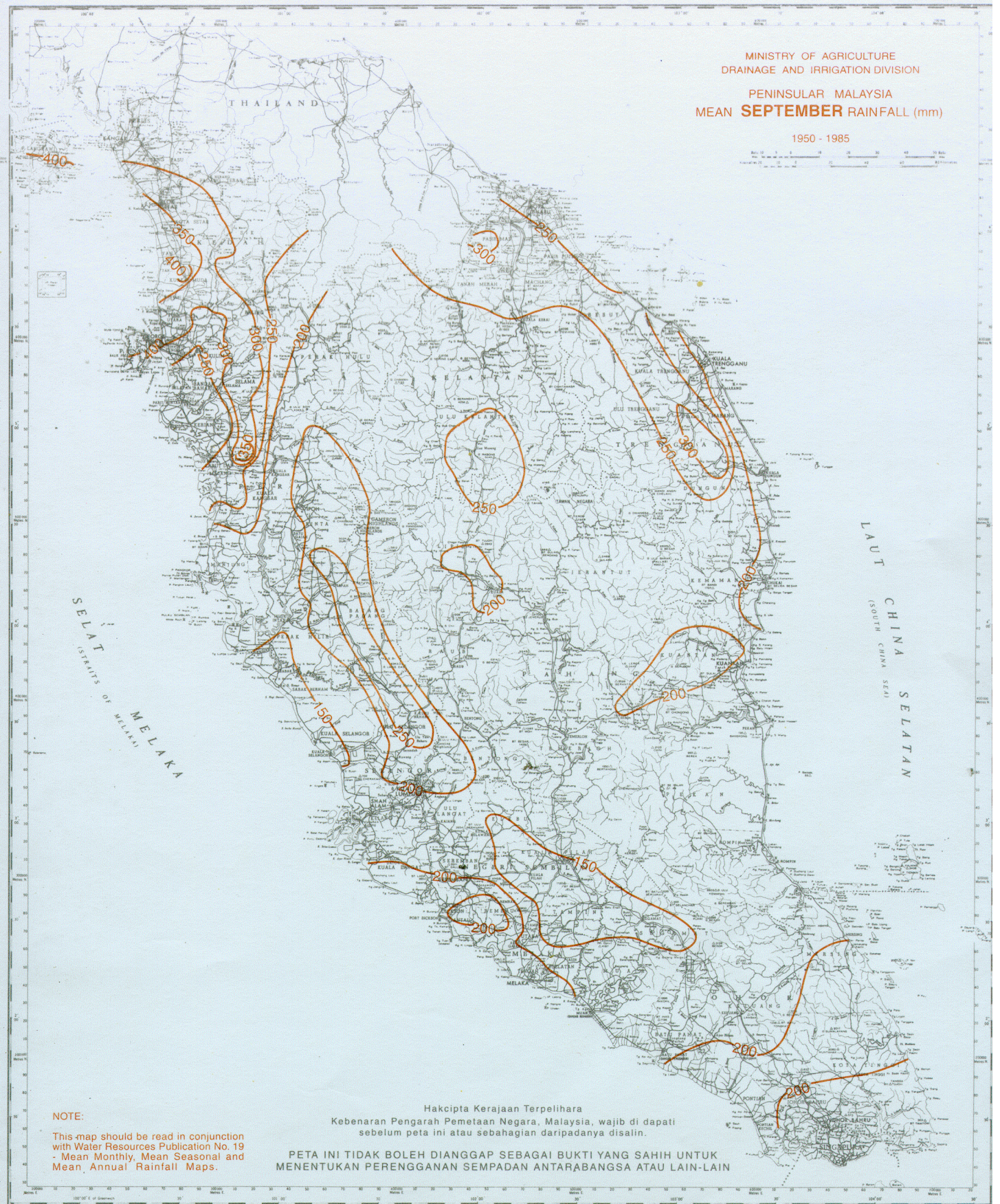
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MEAN SEPTEMBER RAINFALL (mm)

1950 - 1985



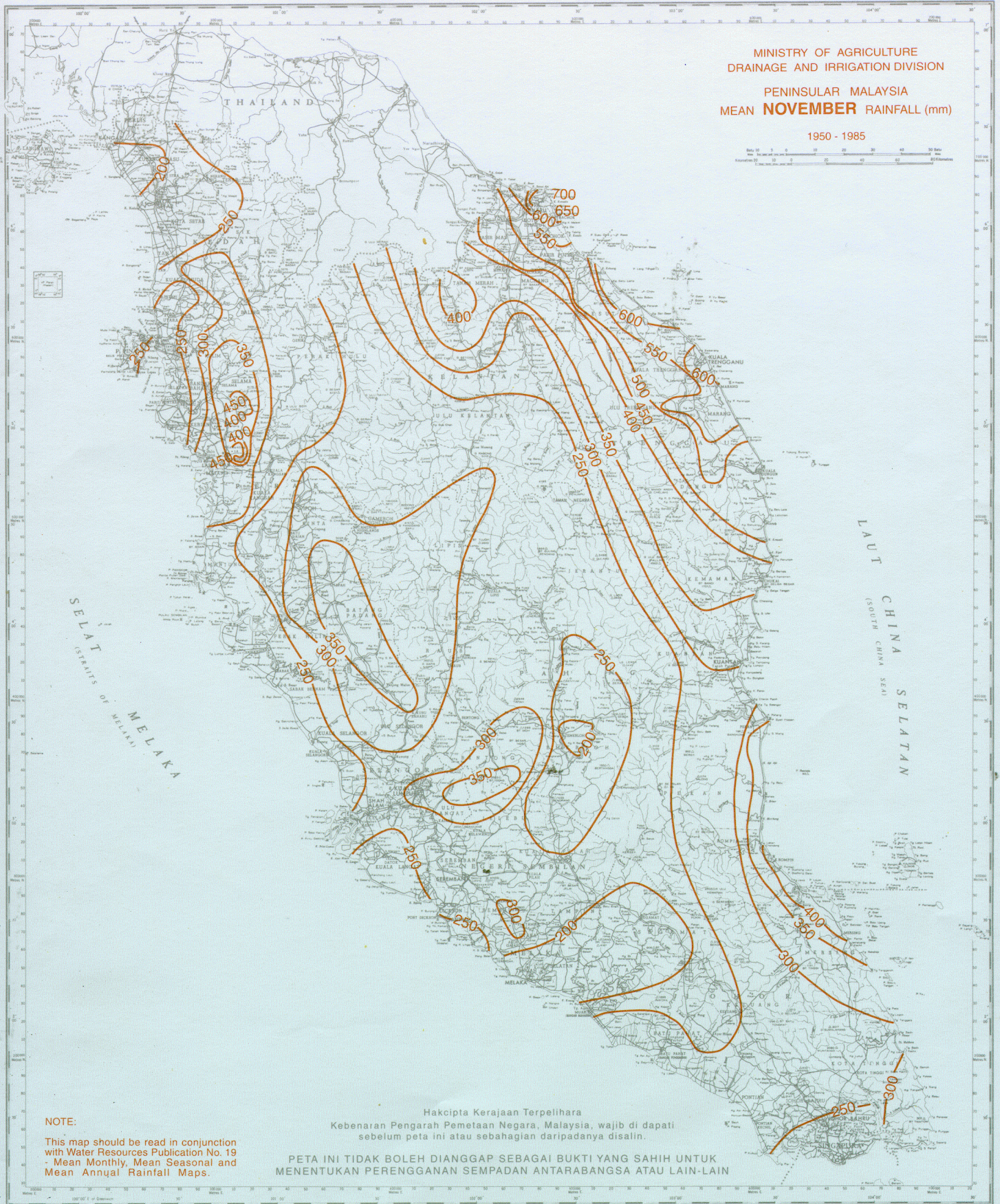
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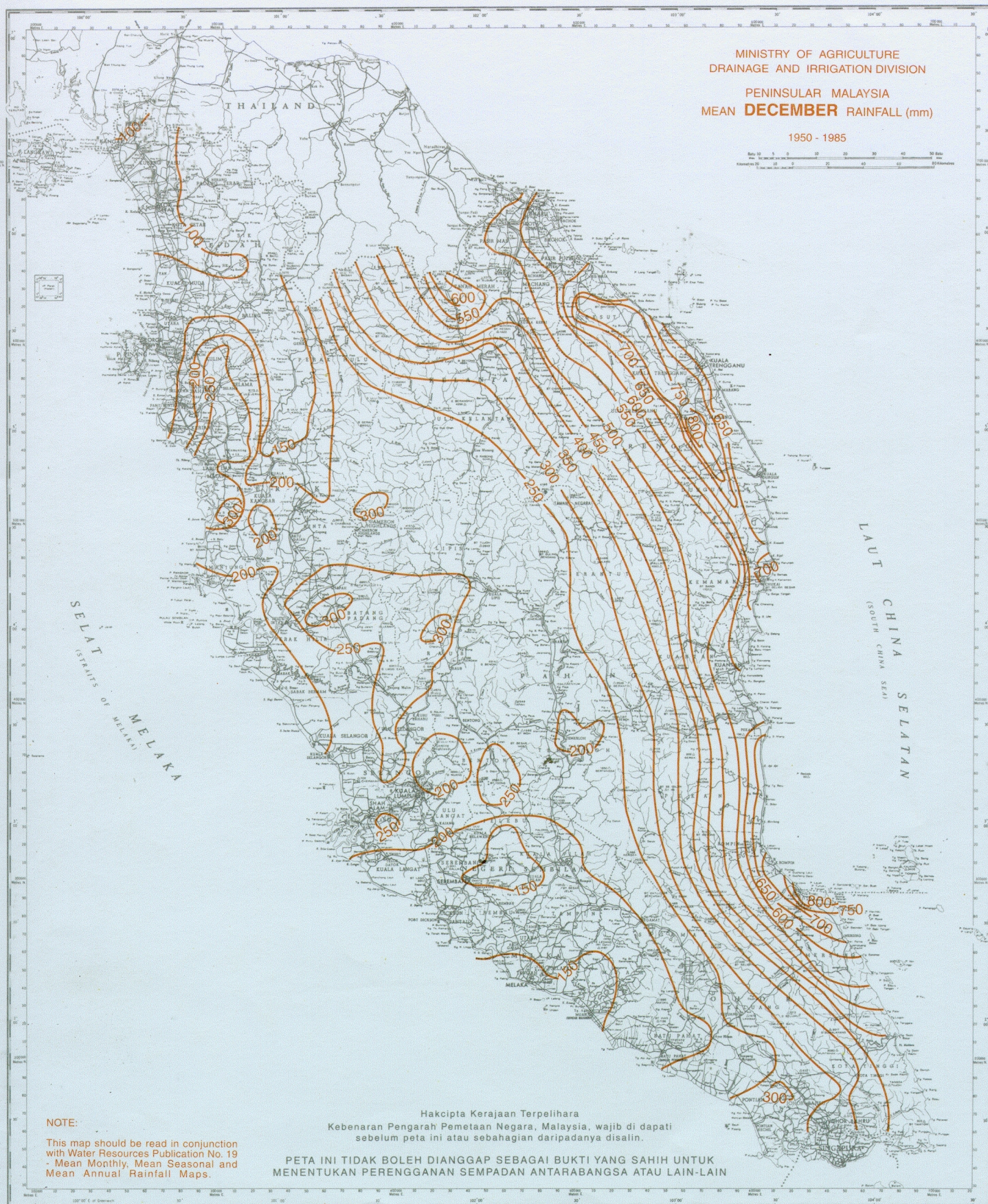
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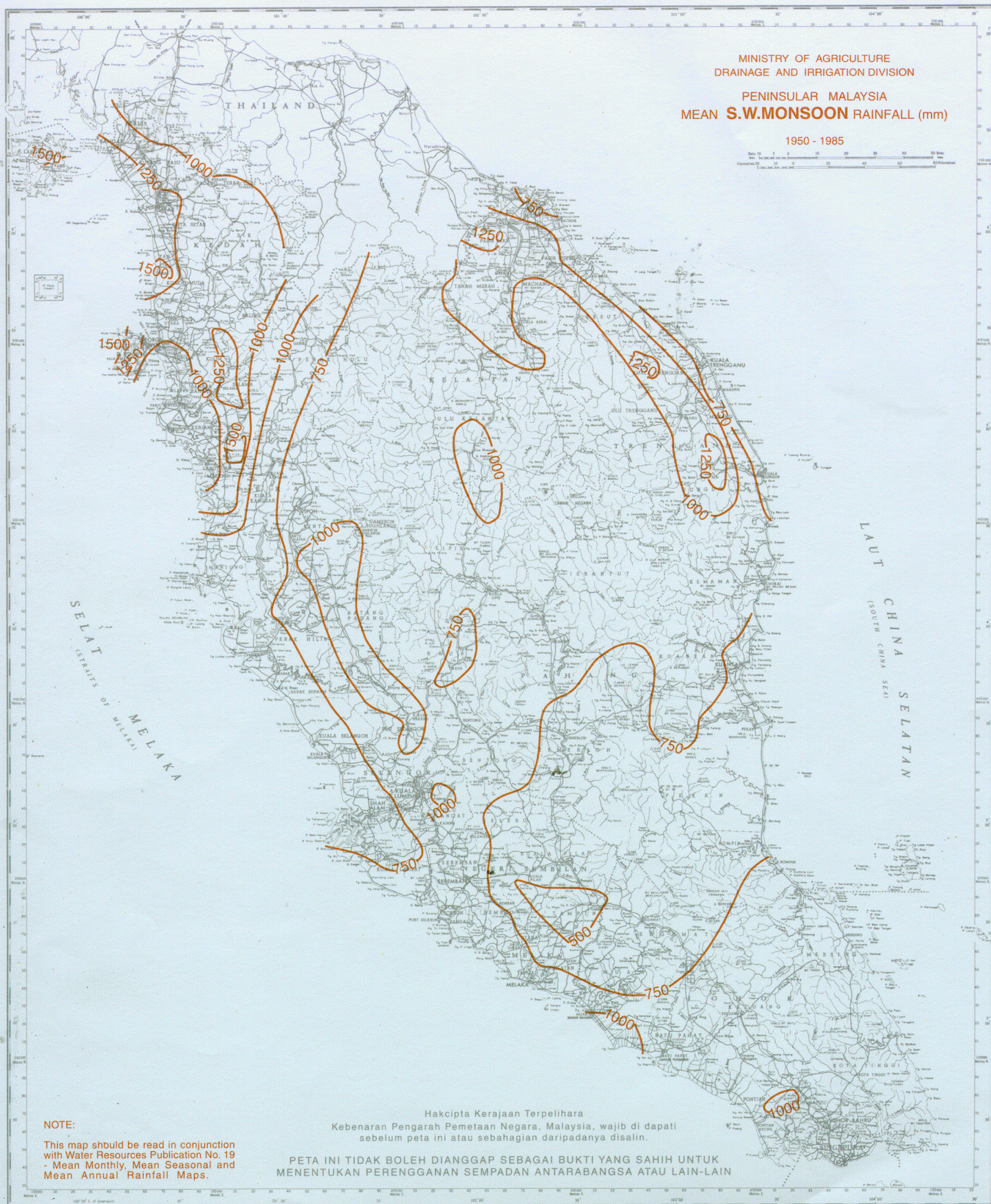
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MEAN **ANNUAL** RAINFALL (mm)

1950 - 1985

Scale 1:1,000,000
1:1,000,000
1:1,000,000

