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LAND CAPABILITY CLASSIFICATION REPORT  
NEGERI SEMBILAN

GOV. OF MALAYSIA

TECHNICAL SUB-COMMITTEE  
ON  
LAND CAPABILITY CLASSIFICATION

ECONOMIC PLANNING UNIT  
PRIME MINISTER'S DEPARTMENT  
MALAYSIA

JANUARY, 1969

LAND CAPABILITY CLASSIFICATION REPORT  
NEGERI SEMBILAN

Prepared from Land Alienation and Gazettement, Land Use and Natural Resource Survey data supplied by Federal or State Departments of Survey, Land, Mines, Agriculture, Forest, Geological Survey, Game, Orang Asli, Veterinary, Drainage and Irrigation, Public Works, and the National Electricity Board. Mechanical data processing undertaken by the Department of Statistics. Compiled under the direction of the Technical Subcommittee on Land Capability Classification by the Natural Resource Evaluation Section, Regional Planning Division, of the Economic Planning Unit, Prime Minister's Department.

ECONOMIC PLANNING UNIT,  
PRIME MINISTER'S DEPARTMENT,  
MALAYSIA  
1969

LAND CAPABILITY CLASSIFICATION REPORT FOR  
NEGERI SEMBILAN

CONTENTS

	<u>Page</u>
SUMMARY:	1
INTRODUCTION:	2
PRESENT LAND UTILISATION:	2
NATURAL RESOURCE POTENTIALS:	5
(1) Mineral Resources	5
(2) Soil Resources	5
(3) Forest Resources	7
(4) Water Resources	9
LAND CAPABILITY:	9
RESOURCE DEVELOPMENT POTENTIALS:	10
(1) Mineral Development Potential	10
(2) Agricultural Development Potential	11
(3) Forest Development Potential	12
SUMMARY AND CONCLUSIONS:	12
APPENDIX 1	13
MAPS:	
(1) Mineral	
(2) Soils	
(3) Forest	
(4) Land Capability	
(5) Land Alienation	
TABLES:	
(1) Land Alienation and Gazettement Categories	
(1a) Present Land Use - 1966	
(1b) Land Use in Relation to Soil Suitability Classes	
(2) Mineral Potentiality Categories	
(3) Soil Suitability Categories	
(4) Forest Productivity Categories	
(5) Land Capability Categories	
(6) Existing Irrigation and Drainage Schemes	
(7) Existing Water Catchment Categories	
(8) Rainfall Distribution	
(9) Areas of Land between Different Contour Levels	
(10) Soil Suitability Categories According to Land Alienation Categories	
(11) Forest Productivity Categories According to Land Alienation Categories	
(12) Productive Forests between Different Contour Levels	

SUMMARY

The state of Negeri Sembilan has a total area of approximately 1,642,000 acres. The state straddles the southern end of the Main Range of the Malay Peninsula and this feature appears to have influenced the pattern of development in the State. The Main Range itself is mountainous and remains forested. West of the Main Range, the state has been mostly developed, whereas East of the Main Range development has been less extensive and large areas still remain under forest.

Land alienated for agriculture covers about 700,000 acres, the greater part of this planted with rubber which totals about 490,000 acres. Horticulture with about 35,000 acres and padi with about 33,000 acres form other important categories of agricultural land use. Oil palm is only beginning to be introduced on a larger scale and to date covers about 5,000 acres. In spite of the larger acres already alienated for agricultural use an estimated 400,000 acres of land suitable for agricultural are still available for development on state land, unalienated Malay Reserves or Forest Reserves. Most of this is however on Class 3 soils.

Land reserved for forestry is the second largest category of land use, totalling about 660,000 acres of which about 600,000 acres are productive forest. Most of the productive forest areas which are not suitable for agricultural development are already under Forest Reserves but further opportunities for development of protective forest exist.

Although mining has contributed to the economy of the state, mineral resources are not extensively distributed. About 25,000 acres of land has potential mineral deposits, of which about 7,000 acres are under extant mining leases.

## INTRODUCTION:

As part of a programme of land classification for West Malaysia prepared by the Technical Sub-Committee for Land Capability Classification of the NDPC, land capability classification studies of Negeri Sembilan were carried out during 1967 and the early half of 1968. This report summarises the result of these studies including statistical summaries of the physical resources and their development potentials, together with generalised maps showing the locations of these resources.

The objective of this report is to provide an appraisal of the salient features of the present pattern of land use and the more important physical resources, from which a broad appraisal is also made of the opportunities for future development according to a rational land use pattern, consistent with long term conservation needs. The report is not a detailed study nor is it a plan for development. The objective is to provide guidelines on which sound land use policies may be based and to assist in the location of areas where further studies on the development of any particular resource may be carried out, based on an appreciation of the distribution of the available natural resources. It is emphasised that only with proper planning would it be possible to develop these resource opportunities so as to obtain the maximum benefits.

The data presented in this report reflect the resource evaluation or use at the time of compilation of the data. The compilation period extended from 1966 through to 1967.

The present report covers the whole of the State of Negeri Sembilan, excluding the off-shore islands but including the area of Cape Rachado, which although constitutionally a part of Malacca territory, is more conveniently considered with the surrounding areas of Negeri Sembilan. The total area of mainland Negeri Sembilan as estimated by the summation method explained in the Appendix, is approximately 1,642,000 acres or 2,570 square miles. The southern end of the Main Range of the Malay Peninsula, with ridges reaching 2,000 to 3,000 feet elevation straddles the state. This hilly terrain is mostly forest covered. West of the Main Range the lower undulating land has almost entirely been alienated for agriculture, but large areas of forest still cover the lowland areas east of the Main Range, although agricultural development has also taken place here. The main agricultural crop is rubber, with much smaller areas of oil palm and coconuts near the coast and subsistence rice farming along the broader river valleys. Mining development and opportunities are limited but some alluvial tin mining has been and is being carried out.

## II. PRESENT LAND UTILISATION:

The pattern of present land use is reflected in the Land Alienation and Gazettement Map attached to this report, but it should be emphasized that this map does not necessarily represent a true and accurate reflection of the actual land use. The map is a reduction to a scale of 4 miles to an inch from a larger map of scale 1 mile to an inch prepared by the State Survey and Land Offices and shows only the legal situation with reference to land covered by deeds of title and gazettelement notices. The map shows the location and the extent of land alienated for agriculture, mining and urban development and also those areas which have been gazetted as forest, game, veterinary, aborigine, Malay reserves or other government use purposes, together with uncommitted state land which is indicated by blank spaces on the map.

It does not necessarily follow that land alienated for agriculture will be actively utilised for this purpose, parts of which may in fact have never been developed or are idle; conversely state land or gazetted forest reserves may be subject to illegal cultivation. These are of course not shown. The true land use situation can only be determined by an actual survey of the present land use. This has now been completed for the State.

Comparison of the land alienation and gazettelement data with present land use data will give detailed information of land freely available for future development and in addition provide information on alienated land which is not fully utilised, including for example wasteland, idle padi land or over-matured plantations.

Table 1a shows the acreages of actual land use as determined from the aerial photo survey. The data for Table 1a has been compiled separately by the land use survey team using a dot-grid for area estimation, and this accounts for the discrepancies in the area totals for districts and the state. Further, until these data are coded with the remaining land capability data, it is not possible to make direct comparisons for specific areas.

A prominent feature from Table 1 is the large areas alienated for agriculture and forestry. The area alienated for agriculture, totals 695,000\* acres or 42.4\* percent of the total state area and the area gazetted as forest reserves, totals 665,000 acres or 40.5 percent of the state area. Of the remaining area, 143,000 acres or 8.7 percent are state land and 97,000 acres or 5.9 percent unalienated Malay Reserves. Cross tabulations of land alienation and gazettelement categories against forest classes in Table 11 show that 5,000 acres of forest reserves, 18,000 acres of state land and 26,000 acres of unalienated Malay Reserves are not forested. These figures can be taken to reflect the extent of illegal cultivation, both current and past. On the other hand, cross tabulations of land alienation categories against soil suitability classes in Table 10 show that 89,000 acres of class 5 soils have been alienated for agriculture. These alienations which have been made in the past with little reference to land capability do not necessarily reflect wise use of the land and the economics of land use in such situations need to be carefully examined.

Table 1b shows the areas of land use classes as determined by the Present Land Use Survey cross-tabulated against soil suitability classes. From this table, it may be seen that almost 60,000 acres of class 5 soils are cultivated with rubber a further 8,000 acres with mixed horticulture and padi, while 43,000 acres are under scrub forest and grassland. Although this reflects a high degree of use of Class 5 soils for agriculture, such use must be carefully examined before further alienation of Class 5 soils for agriculture can be considered. The 43,000 acres of scrub forest and grassland emphasise this point, since it is likely that these areas have resulted from misuse of such land for agriculture and later abandoned.

From Table 1a, it may be seen that forested land, totalling 875,000 acres still cover the largest part of the state, with rubber the main form of agricultural land use covering 491,000 acres. Mixed horticulture with 35,000 acres and padi, 33,000 acres are the two other major agricultural land use

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\* For more realistic presentation acreage and percentage figures have been rounded off from those provided in the Tables.

categories. There are 5,000 acres of oil palm and considering that there is a total area of 353,000 acres of Class 1 and 2 soils in the state, there appears to be a very large potential for the development of this crop particularly by the conversion of old rubber estates. Scrub forest and grassland total 137,000 acres and these represent an area for which study leading to the intensification of land use is needed.

The total area of land under agricultural use is 569,000 acres, and assuming a relatively small area under illegal cultivation when compared with the total area of 695,000 acres alienated for agriculture, this represents a rate of utilisation of land alienated for agriculture of about 83 percent.

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NOTE:

There are discrepancies in the soil suitability data as presented in Table 1b compared with the data presented in Table 3 and 10. These discrepancies have arisen because since the land capability data were analysed, more detailed soils survey have been carried out, so that the soil suitability map for the State has been modified. This modified map was used for the cross tabulation of land use data against soil suitability classes.

The main changes are as follows:-

- (1) A band about 3 miles wide flanking the Selangor border in the south-west, consisting of Class 3 soils reclassified as Class 2 soils - about 7,000 acres in Seremban district and 15,000 acres in Port Dickson district.
- (2) About 7,000 acres of Class 3 soils reclassified as Class 2 soils mainly in the north-west of Rembau District adjoining Port Dickson district.
- (3) About 25,000 acres of Class 3 soils reclassified as Class 2 soils mainly in the south-west of Kuala Pilah district.
- (4) About 62,000 acres in the east of Kuala Pilah district reclassified as Class 4 soils from Class 3 soils. About 16,000 acres similarly reclassified in Tampin district.

About 4,000 acres of Class 3 soils reclassified as Class 1 West of Kuala Pilah passing the Main Range.

About 6,000 acres of Class 2 soils reclassified as Class 1 soils east of Bahau.

About 4,000 acres of Class 2 soils in Jelai-Gemas Forest Reserve, east of the Rompin-Gemas road, reclassified as Class 1 soils.

The modified soils suitability map is available at the Department of Agriculture.

### III. NATURAL RESOURCE POTENTIALS:

#### (a) Mineral Resources:

The areas of varying mineral resource categories are estimated in Table 2 and shown on the attached map of mineral potentiality. The classification of the mineral potentiality categories is based on the potential of any area for mining according to the following classification.

- (1) Probable mining land as deduced from prospecting results and geological evidence.
- (2) Areas under mining lease or certificate or areas in which active mining is taking place.
- (3) Possible mining land as deduced from geological evidence.
- (4) Unknown land.
- (5) Non-mining land.

From Table 2, it can be seen that potential mining land, comprising classes 1 and 2, covers only 25,000 acres or 1.5 percent of the state areas, of which 7,000 acres or 0.4 percent of the state area is under current mining license or lease.

In spite of these small areas of potential and actual mining land, alluvial tin-mining has contributed significantly to the economy of the State in the past and a number of gravel pump mines are in operation today. These are centred around Seremban, Lukut in Port Dickson district and in the Titi area of Jelebu. Prospecting results indicate that further alluvial mining may be expected to develop in these areas as well as in the area of Kuala Pilah district where a mining potential is known to exist.

Other than these alluvial tin deposits, a potential for bed-rock mining for cassiterite also exists in the surrounding country rocks associated with these areas.

Other minerals with potential for development are known deposits of iron ore in the vicinity of Pasir Panjang in Port Dickson district and near Kampong Temelang in Jelebu district. Wolfram deposits are also known to occur with the cassiterite in the bed-rock of the Seremban and Titi mineralisation areas, and further investigation may warrant the mining of these deposits. Over 6,000 ounces of gold were recovered from the Muar River about 5 miles north of Rompin and though no further economic mineral deposits are known, intensive mineral exploration in the vicinity of the previously mined areas might reveal other deposits. Gold was also mined at Chindras near Kg. Ayer Kuning, where it is found in narrow quartz veins in shale containing greisenised material. A deposit of bauxite occurs near Batu Puteh in Rembau district.

#### (b) Soil Resources:

The estimated areas of various soil suitability classes are shown in Table 3 and on the soil suitability map. The soil suitability classification has been derived as a generalised representation of soil suitability from more detailed soil maps

prepared from reconnaissance soils surveys. These more detailed soils maps which are available from the Department of Agriculture and which show soil boundaries according to soils series may be used for a more detailed analysis of soil suitability applicable to a wider range of crops. The present classification has been drawn up mainly to assist in the definition of soil suitability for the main economic tree crops in West Malaysia, i.e. oil palm and rubber. The classification is as follows:-

- (1) Soils with no limitations to agricultural development.
- (2) Soils with few minor limitations to agricultural development.
- (3) Soils with at least one serious limitation to agricultural development.
- (4) Soils with more than one serious limitation to agricultural development.
- (5) Soils with at least one very serious limitation to agricultural development.

From past experience it is known that soils of suitability class 1 and class 2, and in some cases those of class 3, are suitable for a wide variety of crops, and it is in these areas that diversification cropping would most likely be successful. Soils of class 3, generally require further investigations before being committed to diversification cropping but are in all cases suitable for rubber cultivation.

Areas covered by classes 4 and 5 are not generally considered suitable for agricultural development and are best retained or developed under permanent forest cover.

Table 3 shows that class 1 soils with a total area of 145,000 acres (8.8%) and class 2 soils with 144,000 acres (8.7%) of the state are of limited occurrence in Negeri Sembilan. Class 3 soils, on the other hand cover 735,000 acres (44.7%) of the state while class 4 and 5 soils total 618,000 acres (37.6%) of the State.

The district of Seremban has the largest area of class 1 and class 2 soils in the State totalling 121,000 acres, consisting mainly of sedentary soils derived from granite. There is a further 35,000 acres of class 3 soils. These are almost entirely alienated for agriculture, planted mainly to rubber. However about 3,700 acres of class 1 soils are in forest reserves, particularly Senawang and Bt. Tunggal forest reserves and another 3,500 acres in state land particularly between Labu and Tanah Merah estates.

The remaining districts west of the Main Range, Port Dickson and Rembau have a larger proportion of class 3 soils, totalling 149,000 acres than class 1 and class 2 soils, totalling 38,000 acres, but practically all these areas of agriculturally suitable soils have also been developed again mainly under rubber. However about 4,000 acres of forest reserves and another 4,000 acres of state land contain class 3 soils in Port Dickson district. These are located in Sungei Menyala forest reserve and the state land to the west.

The districts east of the Main Range, Jelebu, Kuala Pilah and Tampin are less developed and have a larger potential in area terms for future agricultural development, but the larger part of the undeveloped land suitable for agriculture consists only of class 3 soils which cover 550,000 acres of these districts. The largest areas of undeveloped land covered by these soils are over undulating terrain in the South Gemas, Gemas-Jelai and Palong Forest Reserves and in the mukin of Seriting Ilir. These are sedentary soils derived mainly from shales. The chief limitations to development for diversification crops are firm subsoils and the occurrence of laterite. Class 1 and 2 soils cover only 130,000 acres. These soils are mainly sedentary soils of granitic origin and in some cases of sandstone/shale origin. About 43,000 acres of these soils are still undeveloped in Jelebu district, within state land (11,000 acres), unalienated Malay Reserves (5,000 acres) and forest reserves (27,000 acres) on either side of the Sungei Pertang. A further 18,000 acres are undeveloped in Kuala Pilah district, 2,000 acres in state land, 3,000 acres in unalienated Malay Reserves and 13,000 acres in Forest Reserves. Finally 3,000 acres of these soils have not been developed in Malay Reserves and another 3,000 acres in Forest Reserves in Tampin district.

(c) Forest Resources:

The areas of various forest productivity classes are shown in Table 4 and on the Forest Productivity Map. The classification is based on the potential capability of the land to support forests of different productivity as well as the varying potential to supply timber from the existing stands, according to present knowledge and standards of utilisation. A prime assumption is that forests with the highest volume of trees of all species, though not all of these species are presently marketable, would in the future be the forests which would be able to sustain the highest growing stock, and would consequently have the highest potential productivity. In order that this classification should not conceal the actual productivity of the forests according to the present stands and standards of utilisation, a lower order classification is introduced, taking into account the actual stocking of present commercially desirable species. The classification is as follows:

- 1 Treated or regenerated forest or a forest plantation
- 1M Productive Mangrove Forests.
- 2A Forest of high potential productivity with a basal area of all species of at least 80 sq. ft. or an equivalent volume of 64 tons round timber, including at least 50 sq. ft. or an equivalent of 40 tons round timber of commercial species per acre.
- 2B Forest of high potential productivity with a basal area of all species of at least 80 sq. ft. or an equivalent volume of 64 tons round timber, but including less than 50 sq. ft. or an equivalent volume of 40 tons round timber of commercial species per acre.
- 3A Forest of average potential productivity with a basal area of all species of 60-80 sq. ft. or an equivalent volume of 48-64 tons round timber, including at least 35 sq. ft. or an equivalent volume of 28 tons round timber of commercial species per acre.

- 3B Forest of average potential productivity with a basal area of all species of 60-80 sq. ft. or an equivalent volume of 48-64 tons round timber, but including less than 35 sq. ft. or an equivalent volume of 28 tons round timber of commercial species per acre.
- 4A Forest of marginal productivity with a basal area of all species of 40-60 sq. ft. or an equivalent volume of 32-48 tons round timber, including at least 20 sq. ft. or an equivalent volume of 16 tons round timber of commercial species per acre.
- 4B Forest of marginal productivity with a basal area of all species of 40-60 sq. ft. or an equivalent volume of 32-48 tons round timber, but including less than 20 sq. ft. or an equivalent volume of 16 tons round timber of commercial species per acre.
- 5 Forest of limited potential productivity with a basal area of all species of less than 40 sq. ft. or an equivalent volume of 36 tons per acre.
- 5M Unproductive Mangrove Forests.

Within this classification, commercial species are those included in Classes A to C of the Forest Department Linear Sampling (L.S.) List of species, while volume figures are from estimates of round timber, expressed as cubic tons, equivalent to 50 cubic feet, without allowance for defects.

Forested land covers 56.2% of the state or about 924,000 acres. Considering the degree of development of agriculture in the State and its location, this is a high percentage and is explained by large acres of forested land on the hilly terrain of the Main Range, as well as large areas which are less accessible east of the Main Range. Of these, reserved forests cover 660,000 acres, or about 40.2% of the state area.

The forest reserves contain about 607,000 acres of productive forests, but only a part is managed as a productive forest estate. The annual coupe is 5,586 acres and up to the present an estimated 91,700 acres have been silviculturally treated for natural regeneration or have been planted up. The remaining areas of forest reserves total 61,000 acres of which 52,500 acres are of limited productivity, 5,000 acres are non-forested and 2,900 acres are productive mangrove forests.

The inland forests on stateland or unalienated Malay reserves cover a total area of 196,000 acres of which 76,000 acres are productive. These have all been subjected to logging however. The remaining forests of limited productivity have not been worked and are located on steep hill land. These areas cover 120,000 acres and should be reserved as protective forests.

The largest areas of productive forests are in Kuala Pilah district and Jelebu district. In Kuala Pilah district a larger part of these forests are in lowland areas, in the eastern half of the district, the rest located on steep hill lands on the Main Range and in Pasoh Forest reserve. In Jelebu district, most of the productive forests are located on the steep hill land of the Main Range, the only lowland forests being found east of the Sungei Pertang, most of which are in Pasoh Forest reserve.

Tampin district has also considerable areas of productive forests, most of which are located on lowland areas in the east and south parts of the district. The remaining districts of Seremban, Rembau and Port Dickson have smaller areas of productive forests which are mostly located on steep land areas.

(d) Water Resources:

Availability of water supplies is an important factor in land use and maps showing the boundaries of water catchments utilised by the Public Works Department, National Electric Board and the Drainage and Irrigation Department have been prepared. These maps are available in the offices of the Natural Resources Section of the Economic Planning Unit. Table 6 shows the areas presently under drainage or irrigation schemes. Table 7 summarises the areas of water catchments utilised.

A factor affecting water resource potential, and accordingly of land use, is the rainfall in the State. An isohyets map showing the distribution of rainfall has been prepared by the Drainage and Irrigation Department, and the data in Table 8 shows the areas with different annual rainfall intensities. A significant feature is the low rainfall in the eastern districts of Tampin, Kuala Pilah and Jelebu, in particular the entire mukim of Rompin in Kuala Pilah district covering 181,000 has less than 70 inches per year. This area is on gently undulating land with soils of suitability Class 3 and on this evidence merits further investigation as a potential area for crops such as sugar-cane which require for optimum production lower annual rainfall and more pronounced dry season conditions than are usual in other parts of West Malaysia.

LAND CAPABILITY:

The Land Capability categories are presented in Table 5 and on Map 5 and have been compiled from the mineral potentiality, soil suitability and forest productivity data. The Land Capability categories are as follows:

- |         |   |
|---------|---|
| Class 1 | Land possessing a high potential for possible mineral development. (The aggregate area comprises the total area of current and potential mining Classes 1 and 2 of the mineral potentiality classification).                        |
| Class 2 | Land possessing a high potential for possible agricultural development with a wide range of crops. (The aggregate area comprises Classes 1 and 2 of the soil suitability classification less those areas covered by Class 1 above). |
| Class 3 | Land possessing a moderate potential for agricultural development because of a restricted range of crops. (The area comprises Class 3 of the soil suitability classification less those areas covered by Class 1 above).            |
| Class 4 | Land possessing a high potential for possible productive forest development. (The aggregate area comprises Classes 1 to 4 of the forest productivity classification, less those areas covered by Classes 1, 2 and 3 above).         |

Class 5 Land possessing little or no mineral, agricultural or productive forest potential, but suitable for possible alternative development such as protective forest reserves, water catchment areas, game reserves, national parks etc. (The area comprises Class 5 of the forest productivity classification, including non-forested land, less those areas already covered by Classes 1, 2 and 3 above).

In the above classification, it should be pointed out that the best development objectives need not necessarily coincide with the land capability potential. The classification merely indicates the most appropriate areas where particular development activities might be centred. Thus mineral development would best be located within Class 1 areas, but where there is conflict between different resources uses, further studies may be desirable to compare the benefit of these alternatives uses. Nevertheless, the present land capability classification reflects nationally accepted priorities for the development of any resource potential, according to economic factors applicable to the present and foreseeable future. That is, there will be economic priority for the development of mining in favour of agricultural crops which in turn has priority over productive forest development. However, these priorities may be locally or temporarily modified, in particular where there is conflict between marginal agricultural development and forestry, or where regenerated forest crops, reaching maturity may conflict with a need for agricultural development over the same area. In the latter case, it may be economically beneficial to postpone agricultural development until the forest crop is harvested.

The conflicts in resource development opportunities may be seen by superimposing the land capability map over the respective resource potential maps. By placing the transparent land capability map over the forest productivity map, it may be seen where mineral or agricultural development opportunities conflict with productive forest development opportunities. Conflicts between mineral and agricultural development may be seen directly from the land capability map itself.

From Table 5, it may be seen that Class 1 land covers only 1.5% of the State area and Class 2 land 17.0%. The largest class is that of Class 3 land covering 44.3%, the bulk of which is in Kuala Pilah and Tampin districts. Class 4 land covers 26.4% of the State.

#### RESOURCE DEVELOPMENT POTENTIALS:

In assessing the resource development potential three factors have to be considered, the resources available, the extent to which these have been developed and the conflicts between different resources available for development. Comparisons between the land capability data and land alienation data will show the proportion of the available resources which have been developed, while comparison of the land capability data with respective resources data will show the areas of conflict.

#### MINERAL DEVELOPMENT POTENTIAL:

Comparison of Table 2 and 5 shows that of 25,000 acres of land with a high potential for mineral development, 7,000 acres are under current mining licence or lease. Because of the small proportion of land with a high potential for mining development, conflicts between mining and other land use developments are negligible in area terms. Some conflicts however do exist

where potential mining land overlaps land already alienated for agriculture or suitable for agricultural and forestry development. The area of land shown as possible mining land on the Mineral Potentiality Map does contain a potential for mining development, but this is likely to be bed-rock mining with little conflict with other land use.

#### AGRICULTURAL DEVELOPMENT POTENTIAL:

Excluding the areas of land with a high potential for mineral development, Table 5 shows that 279,000 acres of land are suitable for a wide variety of agricultural crops while a further 728,000 acres are suitable for a limited range of crops, forming together a total of 61.4% of the State. The land alienation data show that 42.4% of the stateland has been alienated for agriculture, although a part of this includes land less suitable for agricultural development. More detailed information on the alienation status of the land in relation to agricultural suitability may be seen from Table 10 which shows soil suitability categories according to land alienation status. From this table it may be seen that a total area of 74,000 acres of land of soil suitability classes 1/still available for development, are most of which are located in Jelevu district. A further 327,500 acres of land with class 3 soils are within stateland, forest reserves or unalienated Malay reserves, of which 228,000 acres are located in Kuala Pilah district.

There are apparently still some opportunities for further agricultural expansion, amounting to about 58% of the area presently alienated for agriculture, but these developments must take into account the following factors. The large portion of land still available for agricultural development is Class 3 land and requires further investigations before their suitability for oil palm is known. At present it appears that these soils are best suited for rubber cultivation only. An alternative may be development for other annual or short-term perennial crop sugar-cane, since these soils are located in the driest part of the country and cover a large area of nearly level or only gently sloping terrain. Further investigations into the suitability of these crops are required however.

The smaller areas of Class 2 land which have not been developed for agriculture, in some areas, particularly in Jelevu district overlaps existing forest reserves, part of which contains regenerated forest. The re-allocation of these regenerated forests for agricultural use requires careful evaluation of the relative economic merits of the two conflicting uses of the land.

An opportunity for agricultural development also exists in the conversion of older rubber plantings on soils suitable for oil palm to the latter crop. This is particularly so in the districts of Seremban and Port Dickson.

A surprising feature is the large area of Class 4 and 5 soils which have been alienated for agriculture, totalling 101,000 acres, of which about 89,000 acres are Class 5 soils on steep land, mainly in the districts of Kuala Pilah, Jelevu and Seremban. Much of this is now scrub/grassland or old rubber, but there are some acres of new rubber in Jelevu district.

FOREST DEVELOPMENT POTENTIALS:

From Table 10, it may be seen that the land areas for further forest development are relatively limited in the State. Land with soil suitability classes 4 and 5, which are unlikely to be developed for agriculture total 618,000 acres of which 430,000 acres are already reserved forests and 101,000 acres alienated for agricultural development. Only 27,000 acres of stateland and 43,000 acres of unalienated Malay reserves are available for further forest reservation. It is possible however that the portion of the land within these soils categories which have been alienated for agriculture but are lying idle may be constituted within the future forest reserve.

Other than development of areas for future forestry use, an opportunity for development of forest industries exists in the timber available from productive forests on land likely to be developed for agriculture. Comparisons between Table 5 show that (a) the total productive forest area of inland forests is 703,000 acres comprising forestry categories 1, 2A, 2B, 3A, 3B, 4A, 4B, (b) the total area of inland forests suitable for development as productive forest areas is 433,000 acres. The area of productive forest on land suitable for agricultural or mining and likely to be developed is therefore 270,000 acres, the timber from which may sustain a wood-using industry for 20-30 years.

SUMMARY AND CONCLUSIONS:

This report describes the natural resource potentials of the State of Negeri Sembilan, the extent and manner to which these potentials have been developed and suggestions as to how the land resources may be allocated in the future.

The study has shown that although the future prospects for mining is limited, there is still a potential for alluvial tin-mining covering an area about twice that which is already under mining lease, with further prospects for lode mining of cassiterite and other ores.

Regarding land development for agriculture, the part of the state west of the Main Range has largely been developed, but considerable opportunities still exist east of the Main Range, totalling perhaps about 58 percent of the land already developed. Most of this appears however, from present knowledge, to be suitable for rubber only. Consequently, it is suggested that the development of such land should proceed with caution, with a view to increasing the range of crops which may be cultivated.

Because a large portion of the central part of the state is covered by rugged terrain of the Main Range, forestry will continue to have a role in the economy of the State. Land which is best suited for forestry development covers about 37 percent of the state, 25 percent being suitable for productive forest development.

18th November, 1968,  
Regional Planning Division,  
Economic Planning Unit.

APPENDIX 1

Area Summation Method:

The area estimates presented in this report and its accompanying tables were prepared by mechanical data processing methods, using I.C.T. punch cards. The land use, natural resource and other land quality data on the contributed maps have been coded on a point basis using a linear sampling method, based on the intersection points of the 1,000 yard grid squares, which are shown on all 1:63,360 published topographic maps of West Malaysia.

The percentage standard error for individual acreage estimates can be determined from the following table.

Table 1

Standard Error (Percent)	N			
	50,000 NK	10,000 NK	5,000 NK	1,000 NK
100	1	1	1	1
30	11	11	11	11
25	16	16	16	16
20	25	25	25	24
15	45	44	44	43
10	100	99	98	91
5	400	380	370	286
4	620	590	560	385
3	1090	1000	910	526
2	2380	2000	1670	714
1	8330	5000	3340	909
0.5	22220	8000	4440	976

N = Total no. of sampling points in the area. The exact plain acreage equivalent of a 1,000 yard square is 206.6111 acres, but in order to facilitate the calculations necessary for preparing the acreage tables presented in this report, the area equivalent of each sampling point has been taken as 207 acres, thus introducing a bias of .2% into the quoted figures. Therefore, in order to determine the number of sampling points related to a given acreage, the acreage figure should be divided by 207.

NK = Total no. of sampling points with a particular quality "K".

The table given, for four area classifications, the number of points with a particular quality, necessary to give the corresponding coefficient of variation, e.g. the total estimated land area of the State of Negeri Sembilan is 1,642,000 acres which is equivalent to 7,900 sampling points. The percentage standard error for area estimates of any land category within the boundary of the State can therefore be calculated by reference to column 3 in the table. As the total estimated area of State Land is 143,000 acres (Table 1) equivalent to 690 sample points, and as this figure is most closely approximate to the figure of 590 in the third column N=10,000) of the table, the standard error for the estimated acreage of State Land is 4%.

$$\text{The standard error} = \frac{4}{100} \times 690 \times 207 = \underline{\underline{5713}} \text{ acres.}$$

TABLE 1

STATE OF NEGERI SEMBILAN  
ESTIMATED AREAS OF ALIENATED AND GAZETTED LAND IN ACRES

DISTRICT	STATE LAND	ALIENATED EOD	MALIN	GRAZING	ARABIC LINE	FOREST	GAME	ALIENATED RESERVED FOR	TOTAL	
SEREMBAN	Ampangan	2,277	-	-	-	6,831	-	1,035	20,907	
	Labu	3,105	414	-	-	4,554	-	828	50,715	
	Lenggeng	1,863	1,242	207	828	15,318	-	-	34,983	
	Pantai	414	6,003	2,070	414	15,732	-	-	25,047	
	Rantau	-	36,846	207	207	-	-	-	30,502	
	Rasah	207	1,242	-	-	-	-	414	13,248	
	Seremban	207	414	-	-	1,656	-	5,175	13,455	
	Setul	828	207	207	207	12,621	-	-	37,260	
	DISTRICT TOTAL:	8,901 (3.80%)	151,317 (64.63%)	4,140 (1.77%)	1,035 (0.44%)	2,070 (0.89%)	56,718 (24.23%)	-	7,452 (3.18%)	234,117 (100%)
	JELERU	Belami Lemi	8,280	8,694	-	-	17,388	-	-	36,846
Peradong		2,070	5,382	828	-	5,589	-	-	13,869	
Peratang		5,382	14,490	2,070	-	48,645	-	414	71,622	
Ulu Klawang		9,729	11,176	3,519	-	46,782	-	-	71,208	
Ulu Teriang		-	3,933	414	414	16,974	-	-	21,735	
Kenabot		-	6,003	207	-	18,216	-	-	24,426	
Kua La Klawang		1,656	8,487	207	-	69,345	-	-	79,902	
DISTRICT TOTAL:		27,117 (8.10%)	61,893 (18.50%)	8,073 (2.41%)	414 (0.12%)	414 (0.12%)	233,496 (69.76%)	-	414 (0.12%)	334,719 (100%)
STATE TOTAL:		143,451 (8.74%)	695,520 (42.35%)	97,290 (5.92%)	7,038 (0.43%)	4,968 (0.30%)	664,677 (40.48%)	-	22,770 (1.39%)	1,642,131 (100%)

TABLE 1

STATE OF NEGERI SEMBILAN  
ESTIMATED AREAS OF ALIENATED AND GAZETTED LAND IN ACRES

DISTRICT	MUKIM	STATELAND	ALIENATED FOR AGRICULTURE	ALIENATED FOR MINING	MALAY RESERVES	GRAZING RESERVES	ABORIGINE RESERVES	FOREST RESERVES	GAME RESERVES	ALIENATED/RESERVED FOR OTHER PURPOSES	TOTAL	
TAMPIN	Tampin Tengah	-	2,898	-	207	-	-	414	-	-	3,519	
	Repah	-	4,554	-	6,210	414	-	4,140	-	207	15,525	
	Keru	414	4,554	-	1,242	207	-	-	-	-	6,417	
	Tabong	-	1,449	-	2,070	207	-	6,210	-	-	9,936	
	Genancheh	6,003	37,674	-	3,175	1,242	-	15,111	-	1,035	66,240	
	Genas	1,242	15,111	-	12,213	414	-	37,467	-	1,242	67,689	
	Ayer Kuning	11,592	21,942	-	-	207	-	-	-	7,038	40,779	
	DISTRICT TOTAL:	19,251 (9.16%)	88,182 (41.97)	-	-	27,117 (12.9%)	2,691 (1.28%)	-	63,342 (30.15%)	-	9,522 (4.53%)	210,105 (100%)
	KUALA PILAH	Jelei	5,175	26,703	-	9,315	-	828	11,592	-	-	43,470
		Johol	1,449	22,977	-	207	-	-	29,806	-	414	64,791
Juasseh		1,656	11,385	-	6,417	621	-	6,417	-	414	20,700	
Kejis		-	14,283	-	8,487	414	-	1,656	-	-	22,356	
Kuala Jempol		-	8,487	-	-	-	-	828	-	-	9,729	
Langkap		-	2,277	-	-	-	-	22,977	-	-	24,012	
Parit Tinggi		-	7,866	-	-	828	-	5,796	-	-	8,901	
Pflah		-	49,059	-	-	828	-	101,223	-	-	180,918	
Rompin		30,636	6,694	-	207	-	-	17,181	-	-	60,858	
Serting Ilir		34,776	16,974	-	15,111	-	-	35,397	-	414	71,829	
Serting Ulu	3,933	8,901	-	3,691	-	-	4,968	-	414	16,974		
Sri Menanti	-	8,501	-	3,519	-	-	26,269	-	414	36,709		
Terachi	-	6,003	-	2,070	-	-	14,490	-	-	24,012		
Ulu Jempol	828	10,971	-	2,691	207	-	1,656	-	414	15,518		
Ulu War	-	6,631	-	828	-	-	207	-	-	7,666		
Kampung Tinggi	-	-	-	-	-	-	-	-	-	-	-	
DISTRICT TOTAL:	78,453 (12.67%)	210,312 (33.97%)	-	-	45,747 (7.35%)	1,242 (0.20%)	828 (0.14%)	280,485 (45.30%)	-	2,070 (0.33%)	619,138 (100%)	
REBAU	Kundur	-	4,554	-	1,656	207	-	-	-	207	6,624	
	Pedas	-	14,076	-	1,242	-	-	3,312	-	1,449	20,079	
	Seperi	-	1,242	-	1,935	-	621	3,726	-	207	6,210	
	Cheabong	-	3,105	-	-	-	-	2,070	-	-	5,796	
	Tanjong Keling	-	2,277	-	-	-	414	414	-	-	3,105	
	Selamak	-	2,898	-	-	-	-	2,277	-	-	5,175	
	Mflu	-	1,035	-	-	-	-	2,691	-	-	3,726	
	Bongkek	-	1,863	-	-	-	-	621	-	-	2,484	
	Chengkau	-	3,312	-	414	-	-	1,656	-	-	5,382	
	Batu Hampar	-	1,656	-	-	207	-	-	-	-	2,484	
Pflin	-	4,554	-	414	-	-	-	-	-	5,382		
Nerasau	-	2,484	-	-	-	-	-	-	-	1,863		
Titian Bintangar	-	11,385	-	3,312	-	-	-	-	-	14,960		
Legong Ilir	-	2,484	-	207	621	-	-	-	-	2,898		
Legong Ulu	-	1,656	-	-	207	-	-	-	-	1,863		
Senabok	-	2,277	-	1,242	-	-	-	-	-	3,726		
Gadong	-	4,761	-	207	-	-	4,761	-	-	9,936		
DISTRICT TOTAL:	-	65,619 (64.30%)	-	-	9,729 (9.55%)	1,656 (1.62%)	1,035 (1.01%)	21,528 (21.10%)	-	2,484 (2.44%)	102,051 (100%)	
PORT DICKSON	Si-Rusa	2,277	4,761	-	-	-	-	414	-	414	7,666	
	Port Dickson	414	15,875	-	414	-	-	-	-	207	26,910	
	Linggi	2,898	39,951	-	621	-	-	1,035	-	-	45,126	
	Pasir Panjang	3,105	12,834	-	-	-	521	4,761	-	-	22,977	
	Jimah	1,035	34,776	-	-	1,656	-	2,898	-	207	39,123	
DISTRICT TOTAL:	9,729 (6.85%)	118,197 (83.24%)	-	-	2,484 (1.75%)	-	621 (0.44%)	9,106 (6.41%)	-	828 (0.86%)	142,002 (100%)	
SEREMBAN	Apangan	2,277	10,143	-	-	-	-	6,831	-	1,035	20,907	
	Labu	3,105	40,986	-	621	-	-	4,554	-	828	50,715	
	Langgong	1,863	15,939	-	-	414	-	15,318	-	-	34,983	
	Pantai	414	6,003	-	-	207	-	15,732	-	-	25,047	
	Pantau	-	36,846	-	1,242	207	-	-	-	-	38,502	
	Rasah	207	12,213	-	414	-	-	1,656	-	414	13,248	
	Seremban	828	5,796	-	207	-	-	12,627	-	5,175	13,455	
	Setul	-	23,391	-	-	207	-	-	-	-	24,598	
	DISTRICT TOTAL:	8,901 (3.80%)	151,317 (64.63%)	-	-	4,140 (1.77%)	1,035 (0.44%)	2,070 (0.89%)	56,716 (24.25%)	-	7,452 (3.16%)	234,117 (100%)
	JELERU	Belant Lani	8,280	8,694	-	-	-	-	17,388	-	-	36,846
Peradong		2,070	5,382	-	828	-	-	5,589	-	-	13,669	
Periang Ilir		5,382	14,490	-	414	-	207	48,645	-	414	71,622	
Ulu Klang		9,729	11,178	-	-	-	-	46,782	-	-	71,208	
Ulu Teriang		-	3,933	-	-	414	-	16,974	-	-	21,735	
Keraboi	1,656	8,487	-	-	207	-	18,216	-	-	24,426		
Kuala Klang	-	3,726	-	-	828	-	69,345	-	-	79,902		
DISTRICT TOTAL:	27,117 (8.10%)	61,893 (18.50%)	-	-	8,073 (2.41%)	414 (0.12%)	414 (0.12%)	233,496 (69.76%)	-	414 (0.12%)	334,719 (100%)	
STATE TOTAL:	143,451 (8.74%)	695,520 (42.35%)	-	-	97,290 (5.92%)	7,038 (0.43%)	4,966 (0.30%)	664,677 (40.46%)	-	22,770 (1.39%)	1,642,131 (100%)	

TABLE 1a PRESENT LAND USE - 1966

USE CATEGORY	D I S T R I C T						TOTAL	%
	JELEBU	KUALA PILAH	PORT DICKSON	REMAU	SEREMBAN	TAMPIN		
: Urban	579	1140	2893	387	5526	1077	11602	0.70
: Estate Buildings	115	1106	913	372	1181	403	4090	0.25
: Tin Mining	1078		771		1282		3131	0.19
: Other Mining Quarrying	30	8			46	7	91	-
: Transmission Line		296	187	142	924	169	1718	0.10
: Mixed Horticulture	2994	13841	2375	6043	7185	2548	34986	2.12
: Market Gardening	5	104	231	3	139	23	505	0.03
: Agricultural Stations		20	6				26	-
: Rubber	39267	138166	94339	44310	115890	61979	493951	30.01
: Oil Palm		4139	122		775	501	5537	0.34
: Coconuts	17	135	1177	24	62	92	1507	0.09
: Pineapple								
: Coffee			51		45		96	-
: Tea								
: Cocoa								
: Pepper								
: Sago	15	336		304	136	78	869	0.05
: Areca-nut Palm								
: Fibre Crops								
: Fish Ponds	3	36	10	3	314		366	0.02
: Orchards	18	40	68	60	174	52	412	0.02
: Padi	3099	14075	705	6522	4509	2423	3133	1.90
: Diversified Crops	30	125	1507	25	116		1803	0.11
: Shifting Cultivation	62	572					634	0.04
: Improved Permanent Pasture					109		109	0.01
: Scrub Grassland	12844	19616	3700	1800	13514	10944	62418	3.79
: Forest	264523	379612	15470	34972	62057	115086	871720	52.96
: Scrub Forest	7564	36622	3710	3346	16057	7762	75061	4.56
: Newly Cleared Land	1172	5126	457	128	2620	5086	14589	0.89
: Swamp	1789	4230	11833	877	1874	756	21359	1.30
: Unused Land			2053	66		22	2141	0.13
UNCLASSIFIED	1049	2097	1073	153	650	1047	6069	0.37
TOTAL:	336253	621442	143651	99537	235185	210055	1646123	100%

TABLE 1b LAND USE IN RELATION TO SOIL SUITABILITY CLASSES

LAND USE CATEGORY	LAND USE ACREAGES WITHIN SOIL SUITABILITY CLASSES					STATE TOTAL OF LAND USE CATE- GORIES	% OF STATE
	1	2	3	4	5		
1U : Urban	2738	1067	3018	719	4060	11602	0.7
1T : Tin Mining	573	--	1575	163	820	3131	0.2
2H : Mixed Horticulture	7242	5318	18193	525	3708	34986	2.1
3G : Rubber	99284	99284	211411	24204	59768	493951	30.0
3O : Oil Palm	393	1445	2957	742	--	5537	0.3
3C : Coconut	381	651	316	159	--	1507	0.1
4P : Padi	4042	3697	19050	63	4481	31333	1.9
4C : Diversified Crops	160	1012	382	249	--	1803	0.1
6 : Scrub Grassland	4494	5992	33831	2809	15292	62418	3.8
7F : Forest	21793	61020	251926	67994	468987	871720	53.0
7S : Scrub Forest	7131	10584	28448	1876	27022	75061	4.6
7C : Newly Cleared Land	2524	2378	7222	1809	656	14589	0.9
ALL Other Categories	4433	5320	13289	11110	4332	38484	2.3
TOTAL	155188	197768	591618	112422	589126	1646122	100

**TABLE 2**  
STATE OF NEGERI SEMBILAN  
ESTIMATED AREAS OF MINERAL POTENTIALITY CATEGORIES IN ACRES

I.C.T. CARD COL. 4 CODE NO:	1	2	3	4	5	TOTAL	
DISTRICT	MUKIM	PROBABLE MINING	CURRENT MINING	POSSIBLE MINING	UNKNOWN	NON-MINING	
TAMPIN	Tampin Tengah	--	--	--	--	3,519	3,519
	Rapah	--	--	--	1,063	13,662	15,525
	Kiru	--	--	--	--	6,417	6,417
	Jebong	--	--	--	2,277	7,659	9,936
	Gemencheh	--	--	--	43,056	23,184	66,240
	Gemas	--	--	--	52,578	15,111	67,689
	Ayer Kuching	--	--	--	33,948	6,031	40,779
DISTRICT TOTAL:	--	--	--	133,722 (63.65%)	76,303 (36.35%)	210,105 (100.0%)	
KUALA PILAH	Jelet	207	--	--	10,837	24,426	43,470
	Johol	--	--	--	62,514	2,277	64,791
	Juasseh	--	--	--	3,105	17,595	20,700
	Kapis	--	--	--	4,347	18,009	22,356
	Kuala Jempol	--	--	--	2,070	7,659	9,729
	Langkap	--	--	--	24,012	--	24,012
	Parit Tinggi	--	--	--	7,038	1,063	8,101
	Pt Lah	--	--	--	7,245	1,449	8,694
	Rompin	--	--	--	158,976	21,942	180,918
	Serting Ilir	--	--	--	24,219	36,639	60,858
	Serting Ulu	--	--	--	49,266	22,563	71,829
	Sri Menanti	--	--	--	16,974	--	16,974
	Terachi	--	--	--	30,709	--	30,709
	Ulu Jempol	621	--	--	23,391	--	24,012
	Ulu Muar	207	--	--	3,105	12,006	15,318
Ampang Tinggi	207	--	--	5,175	2,484	7,666	
DISTRICT TOTAL:	1,242 (0.20%)	--	--	448,903 (72.52%)	160,912 (27.20%)	619,137 (100.0%)	
REBAU	Kundur	--	--	--	3,312	3,312	6,624
	Pedas	--	--	--	20,079	--	20,079
	Seperit	--	--	--	6,210	--	6,210
	Chembong	--	--	--	5,796	--	5,796
	Tanjong Kling	--	--	--	2,098	207	3,105
	Selamak	--	--	--	5,175	--	5,175
	Muku	--	--	--	3,726	--	3,726
	Dongek	--	--	--	2,070	414	2,484
	Changkau	--	--	--	3,519	1,063	4,582
	Matu Hampar	--	--	--	1,063	--	1,062
	Pelin	--	--	--	1,242	3,726	4,968
	Nerasau	--	--	--	--	2,484	2,484
	Titian Bindangar	--	--	--	--	15,732	15,732
	Lesong Ilir	--	--	--	--	2,098	2,098
	Legong Ulu	--	--	--	--	1,863	1,863
	Semabok	--	--	--	--	3,726	3,726
	Gadang	--	--	--	2,070	7,066	9,936
DISTRICT TOTAL:	--	--	--	57,960 (56.00%)	44,091 (63.20%)	102,051 (100.0%)	
PORT DICKSON	Sri Rusa	--	--	--	207	7,659	7,866
	Port Dickson	2,070	621	1,242	18,216	4,761	26,910
	Linggii	1,863	--	--	17,308	25,075	45,126
	Pasir Panjang	--	--	207	1,242	21,528	22,977
	Jimah	207	--	--	17,674	1,242	39,123
DISTRICT TOTAL:	4,140 (2.92%)	621 (0.44%)	1,449 (1.02%)	74,727 (52.62%)	61,065 (43.00%)	142,002 (100.0%)	
SEREMBAN	Ampangan	3,312	1,035	621	15,525	414	20,907
	Lahu	414	--	--	49,089	1,242	50,745
	Lenggeng	828	414	414	33,120	621	34,983
	Pantai	1,449	828	621	22,563	--	25,047
	Rantau	1,449	414	--	36,225	828	38,502
	Rasah	1,449	207	207	10,350	--	13,248
	Seremban	1,035	--	--	12,213	621	13,455
	Setul	828	--	--	35,811	--	37,260
DISTRICT TOTAL:	10,764 (4.99%)	2,898 (1.24%)	1,863 (0.80%)	214,866 (91.70%)	3,726 (11.59%)	234,117 (100.0%)	
JELEBU	Gelami Lemf	1,863	2,691	414	29,107	--	36,546
	Peradong	--	--	--	13,889	20,773	34,669
	Perdang	207	--	--	42,485	30,000	71,622
	Teriang Ilir	--	--	--	33,120	--	33,120
	Ulu Klawang	--	414	207	21,225	--	24,426
	Ulu Terlang	--	--	9,108	23,005	3,105	35,218
	Kenaboi	--	--	--	67,689	--	67,689
Kuala Klawang	--	--	--	15,111	--	15,111	
DISTRICT TOTAL:	2,070 (0.61%)	3,112 (0.99%)	9,729 (2.91%)	246,951 (73.78%)	72,657 (21.71%)	334,719 (100.0%)	
STATE TOTAL:	18,216 (1.11%)	6,831 (0.42%)	13,041 (0.79%)	1,177,209 (71.69%)	426,834 (25.99%)	1,642,131 (100.0%)	

ESTIMATED AREAS OF SOIL SUITABILITY CATEGORIES IN ACRES

I.C.T. CARD CODE NO:	MUKIM	5					
		1	2	3	4	TOTAL	
DISTRICT		NO LIMITATIONS	FBM MINOR LIMITATIONS	ONE SERIOUS LIMITATIONS	MORE THAN ONE SERIOUS LIMITATIONS	VERY SERIOUS LIMITATIONS	
TAMPIN	Tampin Tengah	2,277	-	207	-	1,035	3,519
	Repah	4,761	-	1,935	-	9,729	15,525
	Keru	3,933	-	-	-	2,484	6,417
	Tecong	4,140	-	-	-	5,796	9,936
	Genescheh	3,933	-	51,957	-	10,350	66,240
	Genas	-	3,726	62,721	-	1,242	67,689
	Ayer Kuning	2,277	-	36,846	-	1,656	40,779
	DISTRICT TOTAL:	21,321 (10.15%)	3,726 (1.77%)	152,766 (72.71%)	-	32,292 (15.37%)	210,105 (100.0%)
KUALA PILAH	Jelef	-	2,098	29,394	-	11,178	43,470
	Johol	2,070	-	6,624	-	56,097	64,791
	Juasseh	-	-	18,009	-	2,691	20,700
	Kepis	-	-	20,907	-	1,449	22,356
	Kuala Jempol	-	-	8,694	-	1,035	9,729
	Langkap	-	-	-	-	24,012	24,012
	Parit Tinggi	-	-	1,449	-	7,452	8,901
	Piliah	-	-	4,347	-	4,347	8,694
	Kampin	-	-	178,227	-	207	180,910
	Seting Ilir	-	2,484	56,097	-	207	60,880
	Seting Ulu	-	4,554	28,980	-	20,493	71,829
	Sri Menanti	-	22,356	3,105	-	13,869	16,974
	Teracini	-	-	1,449	-	37,260	38,709
	Ulu Jempol	-	2,277	2,277	-	19,458	24,012
	Ulu Muar	-	-	12,627	-	2,691	15,318
	Ampang Tinggi	-	-	5,509	-	2,277	7,866
	DISTRICT TOTAL:	2,070 (0.33%)	34,569 (5.55%)	371,775 (61.02%)	-	204,723 (33.07%)	619,137 (100.0%)
RENGAS	Kundur	-	1,656	4,968	-	6,624	6,624
	Peulas	4,761	820	8,073	-	4,761	20,079
	Seperi	207	-	1,242	-	3,105	6,210
	Chembong	1,656	-	1,035	-	820	5,796
	Tanjong Kling	828	-	1,449	-	3,105	3,105
	Selamak	1,242	-	820	-	3,726	5,175
	Miku	-	-	-	-	621	3,726
	Bongek	1,035	-	820	-	2,070	2,484
	Chungkau	2,098	-	414	-	-	5,302
	Batu Hampar	4,140	-	1,449	-	4,968	1,863
	Pilin	-	-	4,968	-	4,968	4,968
	Nerasau	-	-	2,404	-	-	2,404
	Ti Tian Bintangar	-	-	13,268	2,404	-	15,732
	Legong Ilir	-	-	2,098	-	-	2,098
	Legong Ulu	-	-	1,863	-	-	1,863
	Senabok	-	-	3,726	-	-	3,726
	Gadong	4,140	-	1,035	-	4,761	9,936
	DISTRICT TOTAL:	17,181 (16.84%)	2,404 (2.43%)	50,500 (49.50%)	2,404 (2.43%)	29,394 (28.80%)	102,051 (100.0%)
PORT DICKSON	Sirusa	-	-	7,699	207	-	7,866
	Port Dickson	3,726	-	21,114	1,449	621	26,910
	Linggi	-	1,242	35,190	8,694	-	45,126
	Pasir Panjang	-	-	17,002	5,175	-	22,977
	Jimah	13,248	-	16,767	820	-	39,123
	DISTRICT TOTAL:	16,974 (21.95%)	1,242 (0.89%)	98,532 (69.39%)	23,805 (16.76%)	1,449 (1.02%)	142,002 (100.0%)
SEREMBAN	Ampangan	5,175	6,031	11,992	621	8,901	20,907
	Labu	26,209	5,509	4,554	-	6,624	50,715
	Litong	7,452	-	-	-	20,493	34,903
	Pantai	-	-	-	-	17,995	25,047
	Rasah	3,105	23,184	14,283	-	1,035	30,502
	Seremban	3,105	7,699	1,656	-	820	13,248
	Setul	16,560	414	3,312	-	9,936	13,455
	DISTRICT TOTAL:	71,622 (30.59%)	49,266 (21.06%)	35,397 (15.12%)	621 (0.27%)	77,211 (32.96%)	234,117 (100.0%)
JELAU	Getem Lemi	6,210	-	1,242	-	20,394	36,846
	Peradong	3,312	-	1,035	-	9,522	13,869
	Peratang	4,968	32,706	2,890	-	31,050	71,622
	Tertang Ilir	-	19,458	11,178	-	40,572	71,208
	Ulu Klang	-	-	1,035	-	20,700	21,735
	Ulu Teiang	-	-	1,035	-	20,907	24,426
	Kenaboi	1,656	-	1,035	-	79,695	79,902
	Kuala Klang	-	207	621	-	14,480	15,111
	DISTRICT TOTAL:	16,146 (4.82%)	52,371 (15.65%)	19,872 (5.94%)	-	246,330 (73.39%)	334,719 (100.0%)
STATE TOTAL:		145,314 (8.85%)	143,650 (8.75%)	734,850 (44.75%)	26,910 (1.64%)	391,399 (36.01%)	1,642,131 (100.0%)

ESTIMATED AREAS OF FOREST PRODUCTIVITY CATEGORIES IN ACRES

DISTRICT	MUKIM	NON-FOREST	CLASS									TOTAL				
			CLASS 1	CLASS 2A	CLASS 2B	CLASS 3A	CLASS 3B	CLASS 4A	CLASS 4B	CLASS 1M	CLASS 5A/B					
PILAH	Tampin Tengah	3,105	414	-	-	-	207	-	-	-	621	-	-	-	3,519	
	Rpah	4,968	1,863	621	-	-	-	820	-	207	-	-	-	-	15,925	
	Keru	5,175	-	-	-	-	-	-	-	-	-	-	-	-	6,417	
	Tabong	621	207	-	-	-	-	-	-	-	-	-	-	-	9,936	
	Gemencheh	35,397	7,245	5,382	3,312	207	3,312	621	-	-	-	-	-	-	66,240	
	Genas	18,837	17,181	11,178	7,452	207	7,452	621	-	-	-	-	-	-	67,689	
	Ayer Kuning	21,114	-	-	828	621	828	621	9,522	2,484	-	-	-	-	40,779	
	DISTRICT TOTAL:			89,217 (42,465)	32,282 (15,375)	17,388 (8,286)	414 (0,195)	11,799 (5,625)	2,070 (0,995)	10,350 (4,935)	3,105 (1,485)	43,470 (20,685)	210,105			
	PERAJU	Jelef	23,391	207	7,245	207	1,656	207	3,519	-	1,063	620	-	-	-	43,470
		Johol	24,640	4,554	12,620	4,140	1,035	4,140	-	1,063	207	-	-	-	-	64,771
		Jusseh	12,213	-	4,968	1,035	-	-	-	-	-	1,035	-	-	-	20,700
		Kepis	15,732	414	621	-	-	-	-	207	-	414	-	-	-	22,356
		Kuala Jempol	0,694	414	-	-	-	-	-	-	-	-	-	-	-	9,728
		Langkap	-	3,312	2,070	10,971	2,070	-	-	2,070	-	414	-	-	-	24,012
		Parit Tinggi	2,070	207	5,302	207	-	-	-	828	-	207	-	-	-	8,901
Piliah		7,066	-	-	-	-	-	-	-	-	-	-	-	-	828	
Rempin		46,782	-	56,304	29,187	2,698	-	-	13,455	6,210	-	-	-	-	100,918	
Serting Ilir		7,866	3,312	1,035	1,449	1,656	-	-	9,936	3,312	-	-	-	-	60,882	
Serting Ulu		17,161	11,791	16,146	2,484	-	-	-	3,933	27,117	-	-	-	-	71,829	
Sri Menanti		9,936	-	3,105	2,484	207	-	-	2,484	621	-	-	-	-	16,974	
Terachi		9,106	-	19,872	2,890	1,449	-	-	621	-	621	-	-	-	39,709	
Ulu Jempol		8,487	-	7,852	5,589	1,449	-	-	2,691	-	820	-	-	-	24,012	
Ulu Muar		11,799	-	2,070	414	-	-	-	820	1,035	-	-	-	-	15,318	
Ampang Tinggi	6,417	-	-	-	-	-	-	-	414	207	-	-	-	7,066		
DISTRICT TOTAL:			212,382 (34,305)	24,219 (3,915)	138,690 (22,405)	8,901 (1,445)	50,581 (9,465)	36,225 (5,858)	18,009 (2,915)	14,283 (2,315)	107,847 (17,425)	619,137				
PORT DICKSON	Mundur	6,417	-	-	-	-	-	-	-	-	-	-	-	-	6,417	
	Pedias	15,111	1,863	3,312	1,449	-	-	-	828	-	-	-	-	-	20,709	
	Sepert	1,449	1,035	3,312	414	-	-	-	207	-	-	-	-	-	6,210	
	Chebang	3,519	414	828	-	-	-	621	-	-	-	-	-	-	5,376	
	Tanjong Kling	2,484	-	-	-	-	-	-	-	-	-	-	-	-	3,105	
	Selamak	2,998	-	207	207	1,449	-	-	414	-	-	-	-	-	5,175	
	Milku	621	-	621	2,271	-	-	-	-	-	-	-	-	-	3,726	
	Bongek	1,863	-	207	207	-	-	-	-	-	-	-	-	-	2,484	
	Chengkau	3,519	-	-	1,035	-	-	-	414	-	-	-	-	-	5,302	
	Batu Hampar	1,863	-	-	-	-	-	-	-	-	-	-	-	-	1,863	
	Pilin	4,968	-	-	-	-	-	-	-	-	-	-	-	-	4,968	
	Nerasau	2,484	-	-	-	-	-	-	-	-	-	-	-	-	2,484	
	Titiang Bintangar	13,248	-	-	-	-	-	-	-	-	-	-	-	-	13,248	
	Legong Ilir	2,611	-	-	-	-	-	-	-	-	-	-	-	-	2,611	
	Legong Ulu	1,863	-	-	-	-	-	-	-	-	-	-	-	-	1,863	
Samabok	3,312	-	-	-	-	-	-	-	-	-	-	-	-	3,312		
Gedong	4,347	-	621	-	414	-	-	-	-	1,242	-	-	-	9,936		
DISTRICT TOTAL:			72,657 (71,205)	3,312 (3,255)	6,624 (6,495)	-	6,003 (5,805)	4,761 (4,665)	1,063 (1,035)	1,242 (1,225)	828 (0,815)	4,761 (4,665)	102,051 (1,111)			
SLEPEWAN	Sf-Rusa	4,968	414	-	-	-	-	-	-	-	-	-	-	-	7,066	
	Port Dickson	25,875	-	-	-	-	-	-	-	-	-	-	-	-	26,910	
	Linggi	40,156	-	-	-	-	-	-	-	-	-	-	-	-	45,126	
	Pasir Panjang	14,283	4,140	-	-	-	-	-	-	-	-	-	-	-	18,423	
	Jimah	33,534	1,242	-	-	-	-	-	-	-	-	-	-	-	34,776	
	DISTRICT TOTAL:			118,810 (63,675)	5,796 (5,255)	-	-	-	-	-	-	-	12,034 (9,045)	142,002 (1,111)		
	JELEBU	Ampangan	10,971	2,691	621	828	-	828	1,035	-	414	-	-	-	-	20,907
		Labu	40,779	-	207	1,063	-	1,449	414	-	3,519	-	-	-	-	50,715
		Lenggeng	17,161	-	5,796	1,449	-	2,271	207	-	828	-	-	-	-	24,903
		Pantai	7,689	2,484	5,175	1,242	-	5,382	-	-	414	-	-	-	-	14,912
		Rantau	38,502	-	-	-	-	-	-	-	-	-	-	-	-	38,502
		Rosah	13,248	-	-	-	-	-	-	-	-	-	-	-	-	13,248
		Seremban	11,385	2,070	-	2,691	-	-	621	-	-	-	-	-	-	15,455
		Serubel	24,426	-	621	-	-	-	2,271	-	-	-	-	-	-	27,324
		DISTRICT TOTAL:			164,151 (70,115)	10,350 (4,425)	12,420 (5,315)	-	6,073 (3,455)	12,006 (5,135)	5,796 (2,485)	414 (0,185)	414 (0,185)	20,907 (8,935)	234,117 (1,111)	
STATE TOTAL:		Gelamb Lani	9,215	1,449	6,624	7,030	-	7,030	1,656	-	1,063	-	-	-	-	36,446
		Peradong	4,761	-	1,035	1,449	-	1,449	3,519	-	414	-	-	-	-	13,069
		Pertang	14,283	6,901	22,770	7,866	-	7,866	9,522	-	4,761	-	-	-	-	71,622
		Teriang Ilir	11,178	-	40,906	3,726	-	6,417	6,417	-	1,449	-	-	-	-	71,280
		Ulu Kluang	4,140	207	6,694	828	-	828	4,968	-	1,242	-	-	-	-	21,735
		Ulu Teriang	6,003	-	13,662	207	-	207	2,691	-	621	-	-	-	-	24,426
	Kenabot	9,106	1,242	37,467	12,006	-	8,200	9,729	-	414	-	-	-	-	79,902	
	Kuala Kluang	5,726	-	3,726	1,242	-	5,302	-	-	621	-	-	-	-	15,111	
	DISTRICT TOTAL:			62,514 (10,675)	11,799 (3,535)	134,964 (40,325)	2,070 (0,625)	34,362 (10,275)	42,435 (12,665)	20,700 (6,185)	621 (0,195)	621 (0,195)	25,254 (7,545)	334,719		
	STATE TOTAL:			719,739 (43,035)	87,760 (5,355)	310,086 (18,885)	11,385 (0,695)	118,810 (7,245)	97,497 (5,945)	57,132 (3,405)	20,079 (1,225)	215,075 (13,105)	1,642,131			

TABLE 5  
STATE OF NEGERI SEMBILAN  
ESTIMATED AREAS OF LAND CAPABILITY CATEGORIES IN ACRES

L.C.T. HARD COL. 17 CODE NO: DISTRICT	MUKIM	Col. 14 Nos. 1 & 2		Col. 15 Nos. 1 & 2		Col. 16 Nos. 1 - 6		Col. 16 Nos. 9 & 0		T O T A L	
		POTENTIAL MINING	POTENTIAL AGRICULTURE 1*	POTENTIAL AGRICULTURE 2*	POTENTIAL FORESTRY	POTENTIAL PROTECTIVE FOREST	POTENTIAL PROTECTIVE FOREST	POTENTIAL PROTECTIVE FOREST			
TAMPIN	Tampin Tengah	--	2,277	207	414	621	3,519			3,519	
	Repah	--	4,761	1,035	4,140	5,509	15,525			15,525	
	Keru	--	3,933	--	--	2,404	6,417			6,417	
	Tebong	--	4,140	--	5,175	9,936	14,101			14,101	
	Gemencheh	--	3,933	51,957	3,726	6,624	66,240			66,240	
	Genas	--	3,726	62,721	828	414	67,669			67,669	
	Ayer Kuning	--	2,277	36,046	1,449	207	40,779			40,779	
	DISTRICT TOTAL:	--	25,047 (11.92%)	152,766 (72.71%)	15,732 (7.49%)	16,560 (7.80%)	210,105 (100.00%)				
	KUARA PILAH	Jelet	207	2,890	2,394	6,417	4,554	43,470			43,470
		Johol	--	2,070	6,624	27,400	20,359	64,791			64,791
Juasseh		--	--	18,009	12,242	1,449	20,700			20,700	
Kepis		--	--	20,907	414	1,035	22,356			22,356	
Kuala Jempol		--	--	0,694	828	207	9,729			9,729	
Langkep		--	--	--	21,735	2,277	24,012			24,012	
Partit Tinggi		--	--	--	6,417	1,035	8,901			8,901	
Piliah		--	--	--	--	4,347	8,694			8,694	
Rompin		--	2,404	170,227	--	207	100,910			100,910	
Serting Ilir		--	4,554	56,097	19,665	207	60,850			60,850	
Serting Ulu	--	22,356	20,900	6,417	828	71,829			71,829		
Sri Menanti	--	--	3,105	27,531	7,452	16,274			16,274		
Terachi	--	--	1,449	27,531	9,729	30,709			30,709		
Ulu Jempol	621	2,070	2,070	14,697	4,554	24,012			24,012		
Ulu Muar	207	--	12,420	621	15,318	15,318			15,318		
Ampang Tinggi	207	--	5,302	1,035	1,242	7,666			7,666		
DISTRICT TOTAL:	1,242 (0.20%)	36,432 (5.60%)	377,154 (60.92%)	136,206 (22.00%)	66,103 (11.00%)	619,137 (100.00%)					
REBAU	Kundur	--	1,656	8,960	4,960	1,449	6,624			6,624	
	Pedas	--	5,509	0,073	4,761	20,079	20,079			20,079	
	Seper1	--	207	1,242	2,070	1,035	5,796			5,796	
	Chembong	--	1,656	1,035	621	207	3,105			3,105	
	Tanjong Kling	--	828	1,449	2,277	828	5,175			5,175	
	Setamak	--	1,242	828	2,890	207	3,726			3,726	
	Miku	--	--	--	414	207	2,404			2,404	
	Bongek	--	1,035	828	1,449	621	5,302			5,302	
	Chergkau	--	2,890	414	1,449	621	1,863			1,863	
	Batu Hampar	--	414	1,449	--	--	4,960			4,960	
Pilin	--	--	--	--	--	2,404			2,404		
Nerasau	--	--	13,240	--	--	15,732			15,732		
Titian Bintangar	--	--	2,890	828	1,656	2,890			2,890		
Legong Ilir	--	--	1,063	--	--	1,063			1,063		
Legong Ulu	--	--	3,726	--	--	3,726			3,726		
Semabok	--	--	1,035	--	--	1,035			1,035		
Gadong	--	4,140	--	4,140	--	9,936			9,936		
DISTRICT TOTAL:	--	19,665 (19.27%)	50,500 (49.49%)	24,426 (23.94%)	7,452 (7.27%)	102,051 (100.00%)					
PORT DICKSON	Si-Rusa	--	3,105	7,659	--	207	77,066			77,066	
	Port Dickson	2,691	1,242	19,072	1,242	5,509	26,910			26,910	
	Linggi	1,863	--	24,903	1,449	5,509	45,126			45,126	
	Pasir Panjang	--	--	17,602	3,414	4,761	22,977			22,977	
	Jimah	207	13,240	16,767	3,933	4,960	39,123			39,123	
	DISTRICT TOTAL:	4,761 (3.35%)	17,995 (12.39%)	97,003 (80.37%)	5,796 (4.00%)	16,767 (11.61%)	142,002 (100.00%)				
	SEREMBAN	Ampangan	4,347	8,407	--	5,175	2,890	20,907			20,907
		Labu	414	31,464	11,592	3,519	3,726	50,715			50,715
		Lenggong	828	9,729	3,933	13,662	6,031	34,983			34,983
		Pantai	1,863	5,509	--	14,697	2,890	25,047			25,047
Rantau		2,277	22,977	12,213	--	1,035	30,502			30,502	
Resah		1,863	9,936	828	--	621	13,240			13,240	
Seremban		1,242	2,691	--	1,242	8,288	18,455			18,455	
Setul		828	21,735	2,890	5,796	6,003	37,269			37,269	
DISTRICT TOTAL:		13,662 (5.00%)	112,600 (40.10%)	31,464 (13.44%)	44,091 (10.03%)	32,292 (13.79%)	234,117 (100.00%)				
JELERU		Getai Lani	4,554	5,796	21,621	10,009	7,066	36,056			36,056
	Peradong	--	3,512	1,035	5,796	3,726	13,669			13,669	
	Pertang	414	37,674	2,890	27,730	2,890	71,622			71,622	
	Tertang Ilir	--	19,450	11,170	39,537	1,035	71,200			71,200	
	Ulu Klang	--	--	1,035	16,767	3,930	21,735			21,735	
	Ulu Tertang	414	1,656	1,863	10,216	4,277	24,426			24,426	
	Kenaboi	--	207	--	69,345	10,390	79,902			79,902	
	Kuala Klang	--	--	621	11,305	3,105	15,111			15,111	
	DISTRICT TOTAL:	5,302 (1.61%)	6,103 (20.35%)	19,251 (5.75%)	206,793 (61.70%)	35,190 (10.51%)	334,719 (100.00%)				
	STATE TOTAL:	25,047 (1.52%)	279,450 (17.02%)	720,226 (44.35%)	433,044 (26.37%)	176,364 (10.74%)	1,642,131 (100.00%)				

TABLE 6  
STATE OF NEGERI SEMBILAN  
AREAS OF PRESENTLY UTILISED IRRIGATION AND DRAINAGE SCHEMES IN ACRES

I.C.T. CARD COL. 10 CODE NO:	0	3	5	TOTAL
DISTRICT	NIL	IRRIGATION SCHEMES	DRAINAGE SCHEMES	
Tampin	207,621	2,484	-	210,105
Kuala Pilah	606,510	12,627	-	619,137
Rembau	96,255	5,796	-	102,051
Port Dickson	129,502	828	11,592	142,002
Seremban	228,321	5,796	-	234,117
Jelebu	330,372	4,347	-	334,719
STATE TOTAL:	1,596,661 (97.35%)	31,670 (1.94%)	11,592 (0.71%)	1,642,131 (100.00%)

TABLE 7

STATE OF NEGERI SEMBILAN  
ESTIMATED AREAS OF PRESENTLY UTILISED WATER CATCHMENTS

DISTRICT	MUKIM	0	1	2	3	4	5	6	7	TOTAL	
		NIL	DID, NEB, PAD	DID, NEB	DID, PAD	NEB, PAD	DID	NEB	PAD		
TAMPIN	Tampin Tengah				207				3,312	3,519	
	Repah	2,070			6,003		2,898		4,554	15,525	
	Keru								6,417	6,417	
	Tebong						3,519		6,417	9,936	
	Gemencheh	26,496					37,053		2,691	66,240	
	Genas	42,849					17,802		7,036	67,689	
	Ayer Kuning	22,563					207		10,009	40,779	
	DISTRICT TOTAL:	93,970 (44.73%)			6,210 (2.96%)	61,479 (29.26%)		40,430 (23.05%)		210,105 (100.00%)	
	KUALA PILAH	Jelef	5,302			3,519		34,569			43,390
		Johol	1,449			15,525		47,817			64,791
Jussesh		2,277					18,423			20,700	
Kepis					4,554		17,802			22,356	
Kuala Jempol							8,467		1,242	9,709	
Langkap					207		23,005			24,012	
Parit Tinggi					207		8,694			8,901	
Pilah							8,694			8,694	
Rampin		174,067					6,831			180,918	
Serting Ilir		60,850								60,850	
Serting Ulu		45,333			14,697		414		11,305	71,829	
Sri Menanti					16,560		414			16,974	
Terachi					24,012		14,697			38,709	
Ulu Jempol							23,391			24,012	
Ulu Muar	414					15,318		207	15,939		
Mempang Tinggi				5,175		2,691			7,866		
DISTRICT TOTAL:	289,800 (46.81%)			34,456 (13.64%)	232,047 (37.46%)		12,834 (2.07%)		619,137 (100.00%)		
REMBAU	Kundur	5,509			1,449		1,035			6,624	
	Pedas						18,630			20,079	
	Seperit						6,210			6,210	
	Cheribong						5,796			5,796	
	Tanjong Kling						3,105			3,105	
	Selamak						5,175			5,175	
	Miku						3,726			3,726	
	Bongek						2,484			2,484	
	Chengkau						5,302			5,302	
	Batu Hampar						1,863			1,863	
	Pilin	820					4,140			4,960	
	Nemasau						2,484			2,484	
	Titiang Bintangar	15,732					1,449			15,732	
	Legong Ilir	1,449								1,449	
Legong Ulu	1,863								1,863		
Senabok	3,726								3,726		
Bandong	1,449								1,449		
DISTRICT TOTAL:	30,636 (30.02%)			1,449 (1.42%)	69,966 (68.56%)				102,051 (100.00%)		
PORT DICKSON	Sf-Rusa	7,245					621			7,866	
	Port Dickson	25,875					1,035			26,910	
	Linggi	38,295					6,831			45,126	
	Pasir Panjang	14,697					8,280			22,977	
	Jinab	37,053					2,070			39,123	
	DISTRICT TOTAL:	123,165 (86.73%)				18,837 (13.27%)				142,002 (100.00%)	
	SEBERANG	Ampangan	621					6,417		13,869	20,907
		Labu	32,005					14,283		4,140	50,715
		Lencong	6,003					28,359		207	34,903
		Pantai	9,188	8,073	4,140	414	621				25,047
Rantau		21,531			3,105		7,030		3,933	38,502	
Pasah		1,656			2,070		207		9,315	13,248	
Seremban									13,455	13,455	
Setul		28,152					7,030		2,070	37,252	
DISTRICT TOTAL:		105,156 (44.92%)	8,073 (3.45%)	4,140 (1.77%)	5,796 (2.48%)	621 (0.26%)	63,342 (27.13%)		46,989 (20.05%)	234,117 (100.00%)	
JELEBU		Getant Lant						36,846			36,846
	Peradong	36,225					13,869			50,094	
	Tertang Ilir	41,814					26,496		8,901	71,622	
	Ulu Klang				4,347		29,394			33,741	
	Ulu Teriang						17,388			17,388	
	Kunaboi				6,831		24,426			31,257	
Kuala Klang						75,071			75,071		
DISTRICT TOTAL:	78,039 (23.31%)			11,178 (3.52%)		236,601 (70.69%)		8,901 (2.67%)	334,719 (100.00%)		
STATE TOTAL:	720,774 (3.88%)	8,073 (0.49%)	4,140 (0.25%)	109,089 (6.64%)	621 (0.04%)	682,272 (41.55%)		117,162 (7.14%)	1,642,131 (100.00%)		

STATE OF NEGERI SEMBILAN  
ESTIMATED AREAS OF LAND SUBJECT TO DIFFERENT ANNUAL RAINFALL  
INTENSITIES IN ACRES

I.C.T. CARD COL. 22 CODE NOS.	DISTRICT	MUKIM	INCHES									TOTAL	
			0	1	2	3	4	5	6	7	8		9
			LESS THAN 10	70-80	80-90	90-100	101-110	110-120	120-130	130-140	140-150	MORE THAN 150	
	TAMPIN	Tampin Tengah		3,519									3,519
		Repah	2,691	12,834									15,525
		Keru	414	6,003									6,417
		Tebung	9,729	207									9,936
		Gemencheh	41,400	24,840									66,240
		Gemas		67,689									67,689
		Ayer Kuning	3,105	37,674									40,779
													210,105(100.0%)
													43,470
		Johol	8,073	35,397									64,471
		Juasseh	44,712	20,079									20,700
		Keptis	18,423	2,277									22,356
		Kuala Jempol	14,904	7,452									9,729
		Langkap	2,691	7,030									24,012
		Parit Tinggi	24,012										8,901
		Piliah	8,901										8,694
		Rompin	180,918										180,918
		Serting Ilir	16,553	44,505									60,853
		Serting Ulu	42,435	29,394									71,829
		Sri Mananti	10,350	6,624									16,974
		Terachi	29,167	7,866									30,709
		Ulu Jempol	24,012		1,656								24,012
		Ulu Niar	15,316										15,316
		Ampang Tinggi	7,866										7,866
													619,137(100.0%)
													6,242
		Kundur			6,624								20,079
		Pedas		1,242	7,036								6,210
		Sepert	207	3,519	1,449								5,796
		Chempong		1,035	1,242								3,105
		Tanjong Keling		621	621								5,175
		Selamak		1,035	2,484								3,726
		Miku		3,312	414								2,484
		Bongek		820	621								5,362
		Chengkau			1,449								1,863
		Batu Hampar			207								4,968
		Pilin			4,968								2,484
		Nerasau			207								15,732
		Titian Bentangar			15,318								2,698
		Legong Ilir			1,656								1,863
		Legong Ulu											3,726
		Semabok											1,863
		Gadong		3,519	4,968								9,936
													102,051(100.0%)
													7,866
		Si-Rusa			2,484								26,910
		Port Dickson			15,939								45,126
		Linggi			45,126								22,971
		Pasir Panjang			20,493								39,123
		Jimah			13,455								142,002(100.0%)
													20,907
													50,715
													34,983
													25,047
													30,502
													13,240
													13,455
													37,260
													234,117(100.0%)
													36,846
													13,869
													71,622
													71,208
													21,735
													24,426
													79,902
													15,111
													334,719(100.0%)
													1,642,131(100.0%)
													11,799
													1,035
													3,519
													2,484
													1,656
													1,863
													3,105
													1,656
													2,277
													414
													1,242
													1,863
													3,726
													1,449
													36,088(31.32%)
													5,382
													10,971
													2,484
													25,668
													44,505(31.34%)
													14,490
													32,913
													6,210
													2,070
													6,417
													4,140
													3,105
													29,187
													108,468(46.33%)
													17,802
													33,948
													628
													12,627
													73,071
													138,276(41.81%)
													403,236(24.56%)
													191,061(21.63%)
													1,642,131(100.0%)



TABLE 10  
STATE OF NEGERI SEMBILAN

ESTIMATED AREAS LAND ACCORDING TO SOIL SUITABILITY CLASSES IN DIFFERENT LAND ALIENATION CATEGORIES

DISTRICT	Soil Suitability	0	1	2	3	4	5	6	7	8	TOTAL
		STATE LAND	ALIENATED FOR AGRICULTURE	ALIENATED FOR MINING	MALAY RESERVES	GRAZING RESERVES	ABORIGINE RESERVES	FOREST RESERVES	GAME RESERVES	ALIENATED/RESERVED FOR OTHER PURPOSES	
TAMPIN	1	--	16,560	--	3,105	828	--	828	--	--	21,321
	2	414	1,035	--	--	--	--	2,277	--	--	3,726
	3	15,325	67,482	--	13,869	1,449	--	45,333	--	9,108	152,766
	4	--	--	--	--	--	--	--	--	--	--
	5	3,312	3,105	--	10,143	414	--	14,904	--	414	32,292
DISTRICT TOTAL:		19,251 (9.16%)	88,182 (41.97%)	--	27,117 (12.91%)	2,691 (1.26%)	--	63,342 (30.15%)	--	9,522 (4.53%)	210,205 (100.00%)
KUALA PILAH	1	--	1,863	--	207	--	--	--	--	--	2,070
	2	2,070	15,939	--	2,691	--	--	13,662	--	207	34,569
	3	72,036	148,419	--	21,942	1,035	--	133,928	--	414	377,775
	4	--	--	--	--	--	--	--	--	--	--
	5	4,347	44,091	--	20,907	207	828	132,894	--	1,449	204,723
DISTRICT TOTAL:		76,453 (12.67%)	210,312 (53.97%)	--	45,747 (7.40%)	1,242 (0.20%)	879 (0.13%)	280,485 (45.30%)	--	2,070 (0.33%)	619,137 (100.00%)
REBUAU	1	--	16,146	--	414	414	--	207	--	--	17,181
	2	--	2,070	--	414	--	--	--	--	--	2,484
	3	--	42,677	--	4,554	1,242	--	--	--	1,035	50,508
	4	--	414	--	2,070	--	--	--	--	--	2,484
	5	--	3,312	--	2,277	--	--	1,035	21,321	--	1,449
DISTRICT TOTAL:		--	65,619 (64.30%)	--	9,729 (9.53%)	1,656 (1.62%)	1,035 (1.01%)	21,528 (21.10%)	--	2,404 (2.44%)	102,051 (100.00%)
PORT DIKSON	1	621	16,146	--	207	--	--	--	--	--	16,974
	2	--	1,242	--	--	--	--	--	--	--	1,242
	3	4,140	60,309	207	414	--	621	4,140	--	621	98,532
	4	4,968	10,971	828	1,863	--	--	4,968	--	207	23,005
	5	--	1,449	--	--	--	--	--	--	--	1,449
DISTRICT TOTAL:		9,729 (6.05%)	118,197 (83.24%)	1,035 (0.75%)	2,404 (1.75%)	--	621 (0.44%)	9,108 (6.41%)	--	828 (1.25%)	142,002 (100.00%)
SEREMBAN	1	3,519	61,272	207	621	414	1,035	3,726	--	628	71,622
	2	414	46,360	--	--	--	--	2,070	--	414	49,266
	3	828	31,464	1,656	828	414	--	--	--	207	35,397
	4	--	--	--	--	--	--	--	--	--	--
	5	4,140	12,213	621	2,691	207	1,035	50,301	--	6,003	77,211
DISTRICT TOTAL:		8,901 (5.00%)	151,313 (64.50%)	2,484 (1.06%)	4,140 (1.77%)	1,035 (0.44%)	2,070 (0.86%)	56,718 (24.25%)	--	7,452 (3.10%)	234,117 (100.00%)
JELU	1	2,070	12,420	207	207	--	--	1,035	--	207	16,146
	2	9,315	13,041	--	3,312	--	207	26,496	--	--	52,371
	3	5,302	11,305	621	1,863	--	--	621	--	--	19,872
	4	--	--	--	--	--	--	--	--	--	--
	5	10,350	25,047	2,070	2,691	414	207	205,344	--	207	246,330
DISTRICT TOTAL:		27,117 (8.10%)	61,893 (18.50%)	2,890 (0.87%)	6,073 (4.41%)	414 (0.12%)	414 (0.12%)	233,496 (69.76%)	--	414 (0.12%)	334,719 (100.00%)
STATE TOTAL:	1	6,210	124,407	414	4,761	1,656	1,035	5,796	--	1,035	145,314
	2	12,213	79,695	--	6,417	--	207	44,505	--	621	143,650
	3	97,911	390,816	2,404	43,470	4,140	621	104,023	--	11,305	734,650
	4	4,968	11,305	828	3,933	--	--	5,569	--	207	26,910
	5	22,149	89,217	2,691	38,709	1,242	3,105	424,764	--	9,522	591,389
STATE TOTAL:		143,451 (8.74%)	695,520 (42.35%)	6,417 (0.39%)	97,290 (5.92%)	7,036 (0.43%)	4,968 (0.03%)	664,677 (40.43%)	--	22,770 (1.39%)	1,642,131 (100.00%)

TABLE 11

STATE OF NEGERI SEMBILAN  
ESTIMATED AREAS OF FORESTS ACCORDING TO THEIR PRODUCTIVITY IN DIFFERENT LAND ALIENATION CATEGORIES

DISTRICT	STATE LAND	1	2	3	4	5	6	7	8	TOTAL	
		ALIENATED FOR AGRICULTURE	ALIENATED FOR MINING	MILAY RESERVES	GRAZING RESERVES	ORANG ASLI RESERVES	FOREST RESERVES	GAME RESERVES	ALIENATED/RESERVED FOR OTHER PURPOSES		
TAMPIN	Forest Productivity	1-7	1,449	-	1,656	207	-	60,444	-	3,312	77,416
	I.C.T. COL 16	8	6,003	-	21,735	1,863	-	1,242	-	4,140	43,470
		9	2,898	-	3,726	621	-	1,656	-	2,070	89,217
	DISTRICT TOTAL:		19,291 (9.16%)	-	27,117 (12.91%)	2,691 (1.26%)	-	63,342 (30.15%)	-	9,522 (4.53%)	210,105 (100.0%)
KUALA PILAH		1-7	37,260	-	6,003	-	249,021	-	207	-	296,908
		8	-	-	20,399	207	-	29,601	-	-	107,647
		9	36,046	-	11,305	1,035	-	1,863	-	1,863	212,302
	DISTRICT TOTAL:		76,453 (12.57%)	-	45,747 (7.39%)	1,242 (0.29%)	200,485 (45.30%)	-	2,070 (0.33%)	-	619,137 (100.0%)
REBAU		1-7	-	-	1,656	-	20,079	-	1,035	-	23,805
		8	-	-	828	-	-	-	-	828	828
		9	-	-	1,242	828	207	1,242	414	414	4,761
	DISTRICT TOTAL:		-	-	6,003	828	621	207	1,035	1,035	72,657
PORT DICKSON		1-7	-	-	9,729	1,656	1,035	21,526	-	2,484	102,051
		8	414	-	-	-	-	-	-	-	6,624
		9	5,175	-	1,063	-	-	5,569	-	-	3,726
	DISTRICT TOTAL:		9,729 (6.85%)	1,035 (0.75%)	2,484 (1.75%)	-	621 (0.44%)	9,100 (6.41%)	628 (0.50%)	621	142,002 (100.0%)
SEREMBAN		1-7	2,070	-	414	-	43,884	-	207	-	49,059
		8	-	-	-	-	-	-	-	-	-
		9	3,312	-	1,035	207	12,213	-	621	-	20,907
	DISTRICT TOTAL:		6,901 (3.80%)	1,035 (1.06%)	2,484 (1.06%)	2,070 (0.07%)	56,710 (24.23%)	-	7,452 (3.10%)	-	234,117 (100.0%)
JELU		1-7	12,213	-	4,347	207	225,837	-	-	-	246,951
		8	-	-	-	-	-	-	-	-	-
		9	12,006	2,277	2,070	-	7,038	-	-	-	25,254
	DISTRICT TOTAL:		27,117 (8.10%)	2,898 (0.87%)	8,073 (2.41%)	414 (0.12%)	233,496 (69.76%)	-	414 (0.12%)	414	334,719 (100.0%)
STATE TOTAL:		1-7	61,893	-	14,283	414	684,654	-	4,761	-	702,765
		8	414	-	-	-	2,898	-	-	-	4,554
		9	63,342	2,277	56,304	3,105	52,578	-	5,383	-	216,936
	DISTRICT TOTAL:		143,451 (8.74%)	695,520 (42.37%)	97,290 (5.92%)	7,038 (0.43%)	4,968 (0.30%)	664,697 (40.46%)	22,770 (1.39%)	22,770	1,642,131 (100.0%)

TABLE 12  
STATE OF NEGERI SEMBILAN  
ESTIMATED AREAS OF PRODUCTIVE FOREST BETWEEN VARIOUS ELEVATIONS

I.C.T. CARD COL. 22 CODE NOS: DISTRICT	0 BETWEEN 0' and 500'	1 BETWEEN 500' and 999'	2 BETWEEN 1,000' and 1,999'	3 BETWEEN 2,000' and 2,999'	4 BETWEEN 3,000' and 3,999'	5 BETWEEN 4,000 and 4,999'	TOTAL
TAMPIN	65,205	7,245	4,966	-	-	-	77,416
KUALA PILAH	175,328	53,199	52,785	16,353	1,242	-	298,908
REBAU	1,449	4,554	13,662	4,140	-	-	23,805
FORT DICKSON	10,143	207	-	-	-	-	10,350
SEREMBAN	7,866	18,630	17,802	4,140	621	-	49,059
JELABU	50,922	66,310	81,351	39,123	7,245	-	246,951
STATE TOTAL:	310,914 (44.01%)	152,145 (21.54%)	170,560 (24.14%)	63,756 (9.02%)	9,100 (1.28%)	-	706,491 (100.0%)

