

CHAPTER 4

POPULATION IN THE STUDY AREA

Population Trends: Changwad Rayong

Table 22 shows the population, number of houses and size of houses in Changwad Rayong from 1968 through 1976. The population trend as shown in Fig. 22 was relatively smooth with an average annual growth rate of about 5 percent compounded annually. During the eight-year interval from 1968 to 1976, the growth of population in this changwad displayed a very high overall growth (47 percent). In the years 1970 to 1972, it may be seen that the growth rate of population was somewhat higher than formerly. Similarly there was a large increase in the number of houses in 1972, compared with the earlier periods, as shown in Fig. 23. The abrupt change in the number of houses and population in 1971 and 1972 may be attributed to the establishment of King Amphoe Pluak Daeng in 1971. The new area likely attracted farmers from other parts to occupy larger farms. The figures of number of houses (instead of number of households) were available for all the years of analysis. Unfortunately, the numbers of households were recorded for only a few years, and only by changwads, not amphoes. For the entire period of

Table 22 - Population, Number of Houses, and House Sizes in Changwad Rayong

Year	Population	Index	No. of Houses	Index	Size of Houses*
1968	224,551	1.00	32,927	1.00	6.8
1969	232,363	1.03	34,651	1.05	6.7
1970	242,434	1.08	35,625	1.08	6.8
1971	258,435	1.15	30,696**	-	-
1972	276,905	1.23	46,686	1.42	5.9
1973	290,700	1.29	49,556	1.51	5.9
1974	301,506	1.34	51,907	1.58	5.8
1975	312,845	1.39	53,511	1.63	5.8
1976	329,724	1.47	51,713	1.57	6.4

Source: Registration Division, Department of Local Administration, Ministry of Interior

* Size of house = Population/No. of houses

** Not including households in Amphoe Ban Khai

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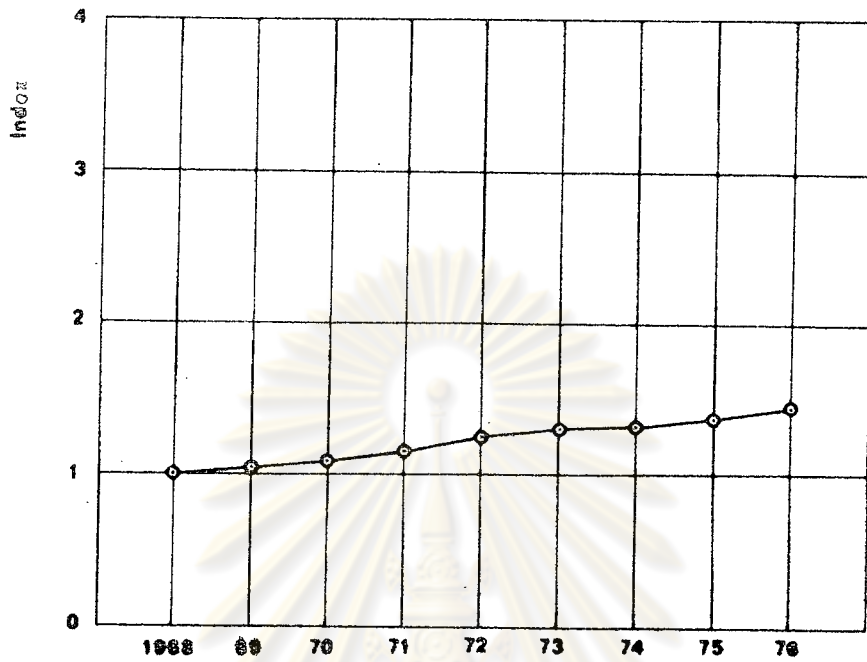


Fig. 22 — Population : Changwad Rayong

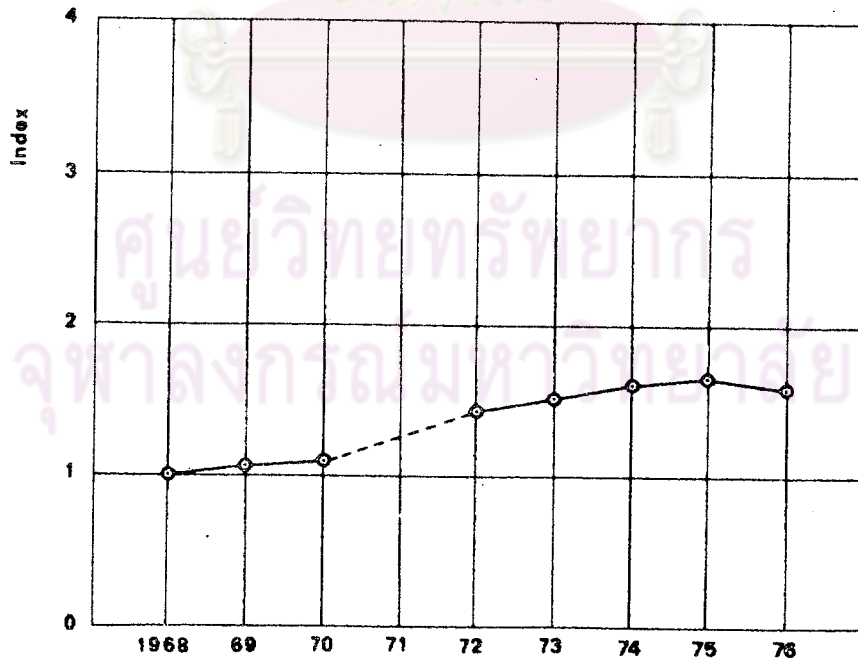


Fig. 23 — Number of Houses : Changwad Rayong

analysis, the size of houses, rather than household size, can be calculated. It may be noted that the number of houses in Changwad Rayong increased gradually from 1968 to 1975, but dropped in 1976 as shown in Fig. 23. The reason for this drop was explained by the population officer of this changwad. As a new survey of the number of houses and population was made in April, 1976, correct current data became available. The unoccupied houses were deleted from the official register. Similarly, the population was surveyed. Individuals were not counted as being part of the population of this changwad if only their names were shown in the registration sheets but they really lived in another changwad for a period of time. The main purpose of the 1976 survey was preparation for an election of legislative representatives.

In comparing populations in the study amphoes -- Amphoe Ban Khai and King Amphoe Pluak Daeng -- to the whole population of Changwad Rayong, and to the whole changwad less the two amphoes, Tables 23 and 24 and Figs. 22 through 27 show the information. It was found that in the eight-year period (1968-1976), the two study amphoes traversed by the Ban Khai-Ban Bung feeder road displayed a growth of 81 percent, while the figures were 47 percent for the whole changwad and 36 percent for the remaining amphoes.

Table 23 - Distribution of Population in Amphoes Within the Study Area

Year	Ban Khai	Index	Pluak Daeng	Index	Sri Racha Excluding Municipal Area	Index
1968	53,008*	-	*	-	63,287	1.00
1969	55,011*	-	*	-	65,164	1.03
1970	51,506	1.00	6,564	-	67,552	1.07
1971	53,844	1.05	11,426	1.00**	69,976	1.11
1972	56,211	1.09	16,342	1.43	74,070	1.17
1973	57,803	1.12	19,950	1.75	76,191	1.20
1974	59,270	1.15	21,179	1.85	78,204	1.24
1975	60,967	1.18	22,941	2.01	80,110	1.27
1976	68,941	1.34	27,218	2.38	77,993	1.23

* Prior to 1970, King Amphoe Pluak Daeng was included in Amphoe Ban Khai

** Selected as base year to avoid uncertainty of first-year registrations.

Source: Registration Division, Department of Local Administration, Ministry of Interior

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Table 24 - Population: Changwad Rayong

Year	Changwad Rayong	Index Changwad	Two Amphoes*	Index Two Amphoes	Changwad Rayong Less Two Amphoes	Index Changwad Less Two Amphoes
1968	224,551	1.00	53,008	1.00	171,543	1.00
1969	232,363	1.03	55,001	1.04	177,362	1.03
1970	242,434	1.08	58,070	1.10	184,364	1.07
1971	258,435	1.15	65,270	1.23	193,165	1.13
1972	276,905	1.23	72,553	1.37	204,352	1.19
1973	290,700	1.29	77,753	1.47	212,947	1.24
1974	301,506	1.34	80,449	1.52	221,057	1.29
1975	312,845	1.39	83,908	1.58	228,937	1.33
1976	328,998	1.47	96,159	1.81	232,839	1.36

* A. Ban Khai and King A. Pluak Daeng

Source: Registration Division, Department of Local Administration, Ministry of Interior

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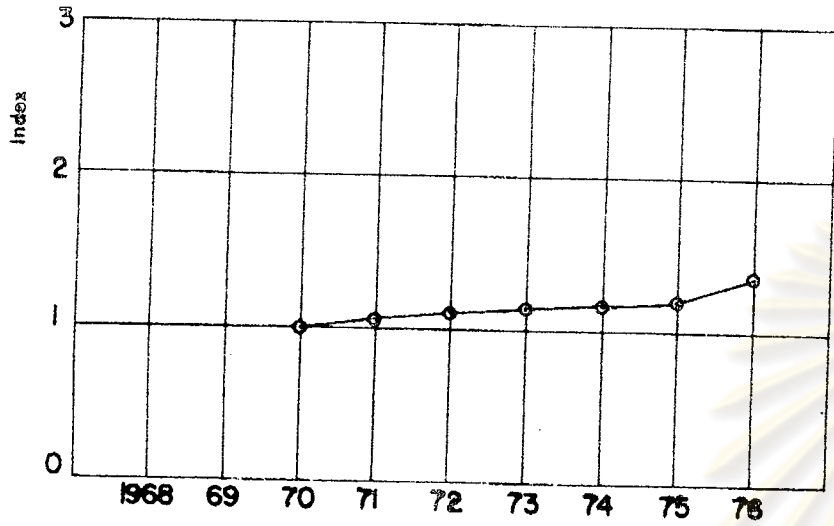


Fig. 24 — Population : Amphoe Ban Khai

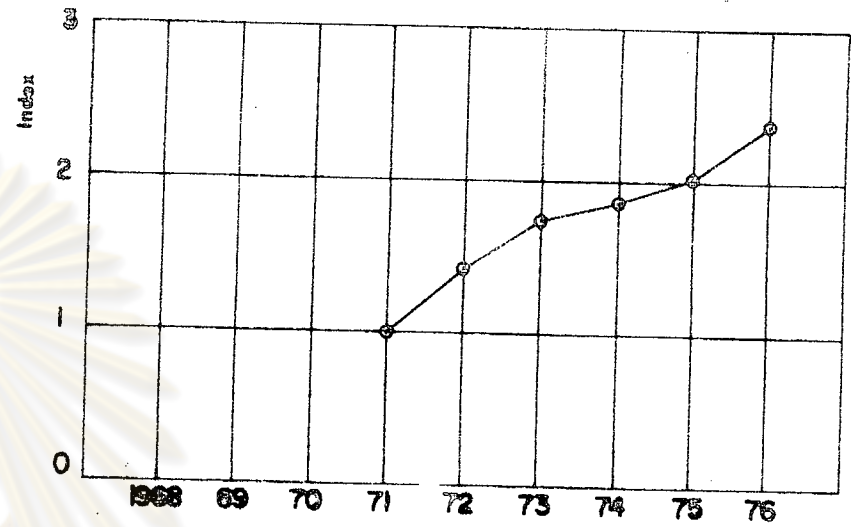


Fig. 25 — Population : King Amphoe Pluak Daeng

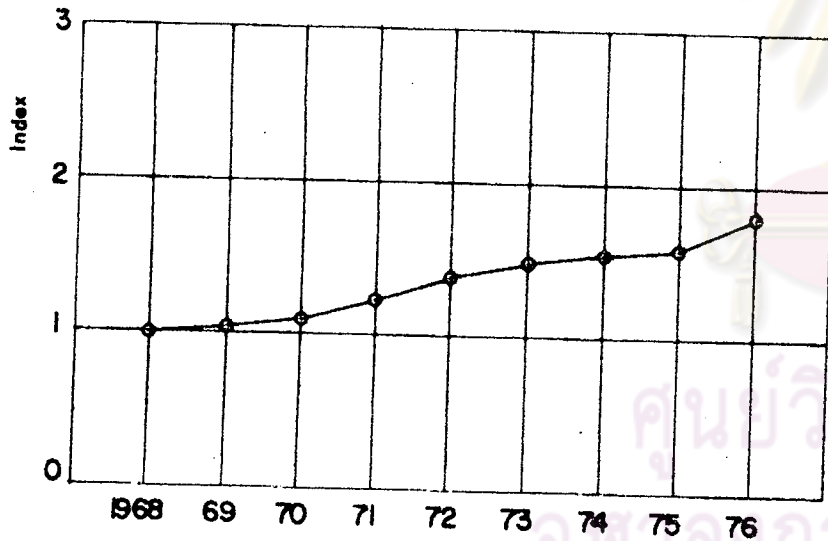


Fig. 26 — Population : Two Amphoes in Changwad Rayong

(A. Ban Khai and King A. Pluak Daeng)

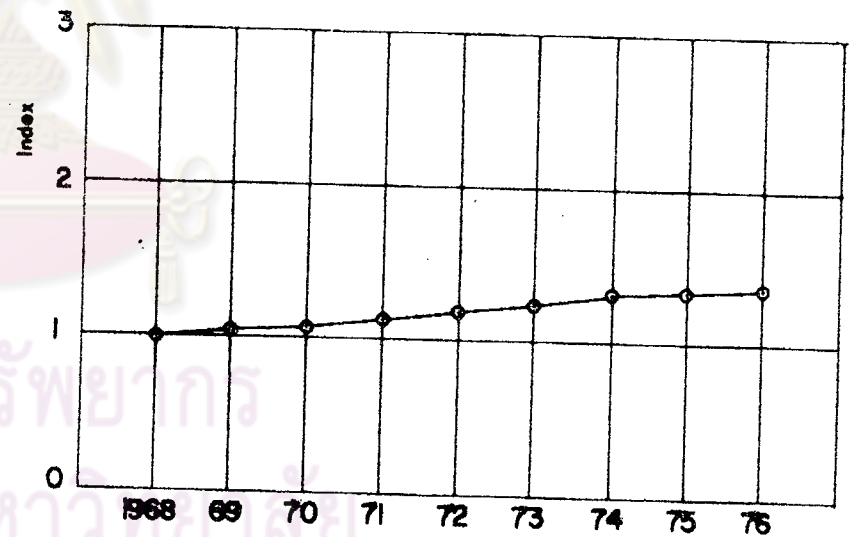


Fig. 27 — Population : Changwad Rayong Less

Two Study Amphoes



Population, number of houses, and size of houses in Changwad Chonburi from 1968 through 1976 are shown in Table 25. The growth rate of population was relatively uniform in the analysis period (about 3 percent per year) as shown in Fig. 28. In the eight-year period, from 1968 to 1976, there was an overall increase in population about 26 percent. This is quite different from that of Changwad Rayong; the growth rate of population in Changwad Rayong was about twice that of Changwad Chonburi. The number of houses in Changwad Chonburi (Fig. 29) increased gradually from 1968 to 1975, but there was a substantial change in 1976.

Amphoe Sri Racha is the only amphoe that can be said to be in the study area, so it is necessary to compare the growth rate of population in this amphoe with the population in the whole changwad; that comparison can be seen in Table 26 and Figs. 28, 30 and 31. It was found that the population growth rates of the whole changwad, of Amphoe Sri Racha, and of the whole changwad less Amphoe Sri Racha were very nearly the same.

Table 25 - Population, Number of Houses and House Sizes in Changwad Chonburi

Year	Population	Index	No. of Houses	Index	Size of House
1968	521,874	1.00	72,129	1.00	7.2
1969	539,320	1.03	73,379	1.02	7.4
1970	561,047	1.08	75,348	1.04	7.5
1971	581,628	1.11	77,619	1.08	7.5
1972	602,791	1.16	83,130	1.15	7.3
1973	616,956	1.18	85,064	1.18	7.3
1974	630,455	1.21	87,195	1.21	7.2
1975	644,052	1.23	89,403	1.24	7.4
1976	669,213	1.26	102,078	1.42	6.6

Source: Registration Division, Department of Local Administration, Ministry of Interior

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Table 26 - Population: Changwad Chonburi

Year	Changwad Chonburi	Index Changwad	Amphoe Sri Racha Excl. Municipal Area	Index A. Sri Racha	Changwad Less A. Sri Racha	Index Changwad Less A. Sri Racha
1968	521,874	1.00	63,287	1.00	458,587	1.00
1969	539,320	1.03	65,164	1.03	474,156	1.03
1970	561,047	1.08	67,552	1.07	493,495	1.08
1971	581,628	1.11	69,976	1.11	511,652	1.12
1972	602,791	1.16	74,070	1.17	528,721	1.15
1973	616,956	1.18	76,191	1.20	540,765	1.18
1974	630,455	1.21	78,204	1.24	552,251	1.20
1975	644,052	1.23	80,110	1.27	563,942	1.23
1976	655,227	1.26	77,993	1.23	577,234	1.26

Source: Registration Division, Department of Local Administration, Ministry of Interior

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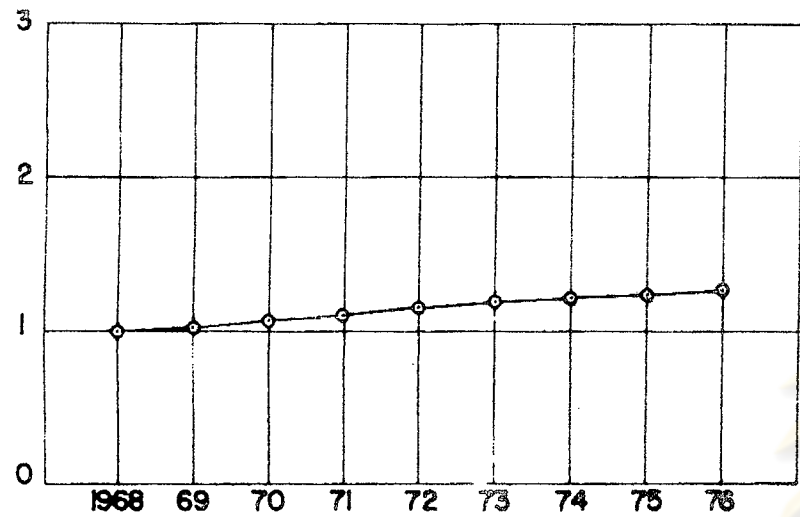


Fig. 28 - Population : Changwad Chonburi

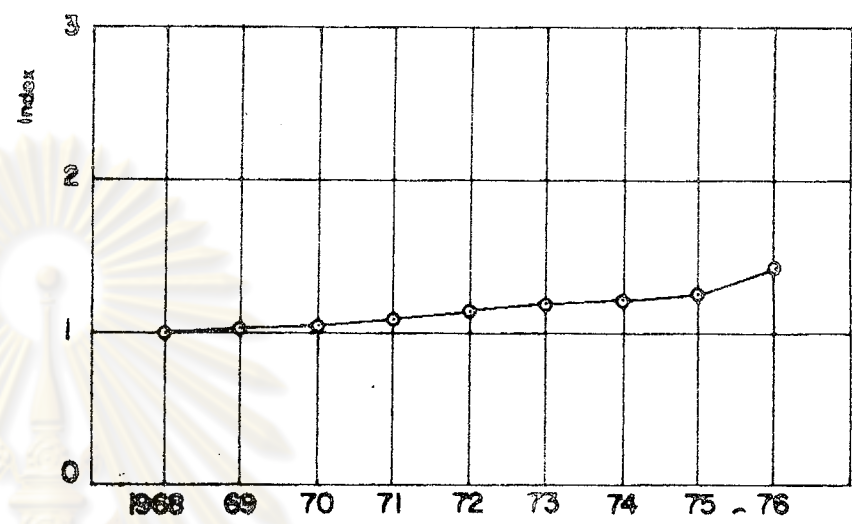


Fig. 29 - Number of Houses : Changwad Chonburi

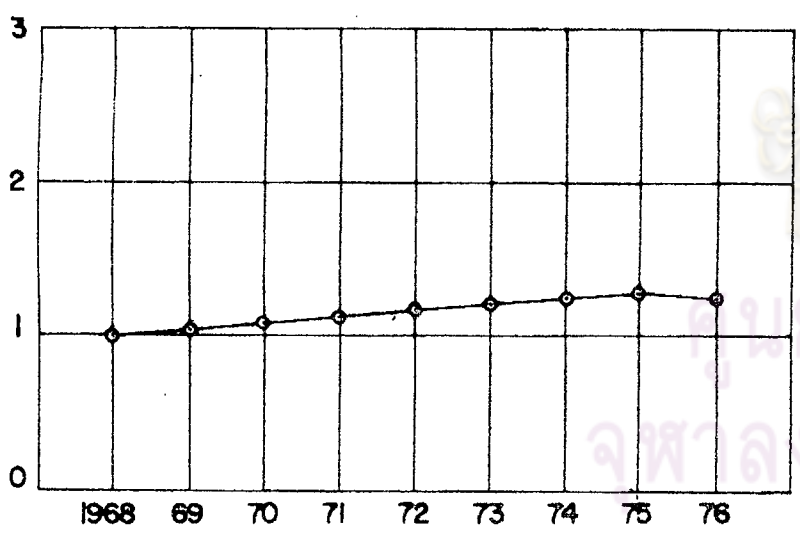


Fig. 30 - Population : Amphoe Sri Racha

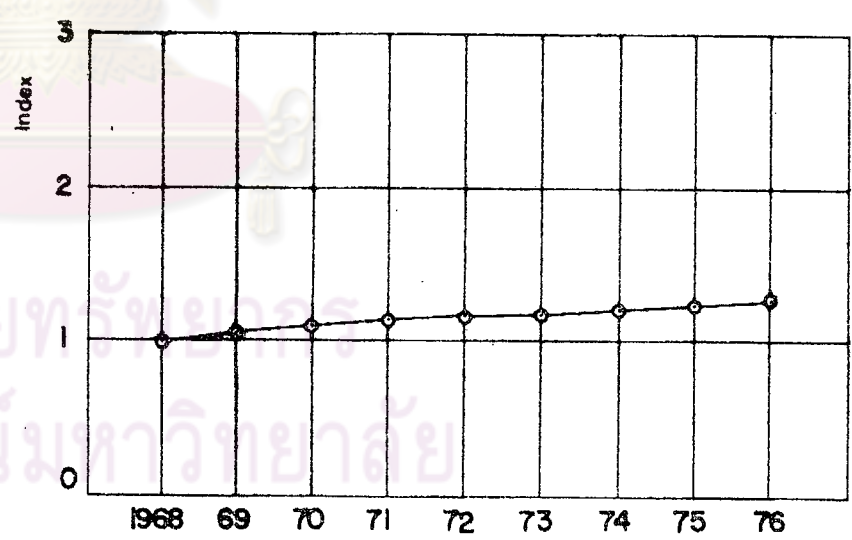


Fig. 31 - Population : Changwad Chonburi Less A. Sri Racha

The population trend in Amphoe Sri Racha conformed to that of Changwad Chonburi as a whole, without significant differences. It is also interesting that the population of Amphoe Sri Racha increased from 1968 to 1975, but dropped in 1976. As found for Changwad Rayong, the cause of the apparent decrease of population in Amphoe Sri Racha was that the Amphoe office conducted an accurate census of the population in Amphoe Sri Racha in April, 1976 in preparation for an election.

Population Growth in the Study Area: 1966 to 1976

Data from the 1966 and 1976 censuses of population conducted by the Registration Division, Department of Local Administration, Ministry of Interior, have been used to evaluate the growth that has taken place in the two study changwads traversed by the Ban Khai-Ban Bung feeder road. The results of the numerical comparison are shown in Table 27. It can be seen that the least growth took place in Amphoe Sri Racha where the increase in the ten-year period was 34 percent. Changwad Chonburi displayed 38 percent increase in the ten-year period.

In Changwad Rayong, there was about 64 percent increase from 1966 to 1976; this is much higher than that of Changwad Chonburi. The populations of Amphoe Ban Khai and King Amphoe Pluak Daeng were combined, because King Amphoe Pluak Daeng was included in Amphoe Ban Khai prior to 1970; consequently

there was no separate registration of population of King Amphoe Pluak Daeng in the 1966 census. The combination of population of these two amphoes was needed to compute the ten-year growth. It was found that these two combined amphoes displayed the highest growth rate. The growth from 1966 to 1976 of Amphoe Ban Khai combined with King Amphoe Pluak Daeng was about 116 percent. The reason of this very high growth may be due to the clearing of new land in King Amphoe Pluak Daeng.

Table 27 - Population: Ten-Year Growths in Study Area

Area	1966 Population	1976 Population	Increase	Percent Increase, 10-year period
Rayong	201,356	329,724	128,368	63.8
Chonburi	484,893	669,213	184,320	38.0
Ban Khai	44,546	68,941	51,613	115.9
Pluak Daeng	n.a.	27,218		
Sri Racha	58,202	77,993	19,791	34.0

Source: Registration Division, Department of Local
Administration, Ministry of Interior