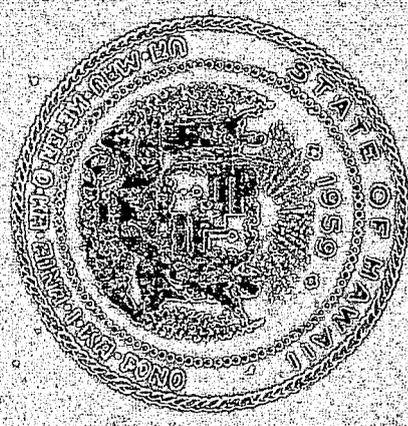


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HAWAII JUDICIAL SYSTEM MASTER PLAN



Volume I

Court Workload and Judgeship Forecasts

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# HAWAII JUDICIAL SYSTEM MASTER PLAN

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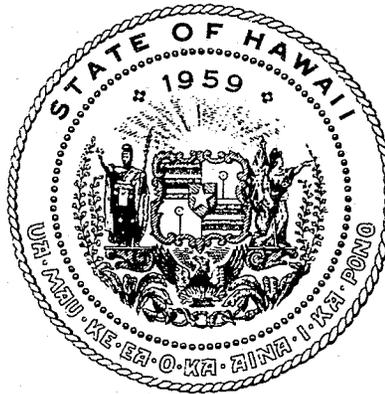
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**ACQUISITIONS**

## Volume I

## Court Workload and Judgeship Forecasts

Carter Goble Associates, Inc.

January 1989

## **ACKNOWLEDGMENTS**

*The Consultant wishes to gratefully acknowledge Chief Justice Herman T.F. Lum, Ms. Janice Wolf, Administrative Director of the Courts, the Judicial Facilities Task Force, and the many judges, clerks of court, administrative and court support personnel, and government officials whose excellent cooperation and thoughtful participation have contributed so substantially to the development of the Judicial System Master Plan.*

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*Special thanks are extended to Clyde Namuo and Liesje Cattaneo for the invaluable assistance which they provided in project liaison during the year-long planning effort.*

*Additional special thanks are extended to Cliff Terry, and to the architectural firm of TRB Hawaii, Ltd. for the fine assistance provided during the evaluation of existing judicial facilities.*

## **MASTER PLAN INTRODUCTION**

*The Hawaii Judicial System Master Plan involves four major tasks documented in a four-volume final report consisting of:*

**Volume I** - *Court Workload and Judgeship Forecasts.*

**Volume II** - *Judicial System Space Standards and Design Guidelines.*

**Volume III** - *Evaluation of Existing Judicial Facilities.*

**Volume IV** - *Executive Summary and Capital Improvements Plan.*

*The Master Plan, which commenced in early 1988, and which concluded at the end of the year, was intended to provide a systematic analysis of the State's judicial facility needs through the turn of the century.*

**Volume I** *lays the foundation for the development of a Capital Improvements Plan by analyzing the historic increases in population, court workloads, and judicial personnel. The broad - based forecasts which result allow the State to improve or construct judicial facilities in response to anticipated growth needs.*

**Volume II** *develops goals for the effective and efficient operation of the Judicial System, and offers facility space standards and design guidelines to support those goals. The standards and guidelines provide a yardstick against which existing facilities can be measured, and also provide consistent guidance for the future renovation or construction of judicial facilities.*

**Volume III** *evaluates the State's existing judicial facilities according to criteria of spatial, operational, and physical adequacy. The facility scores which result from the evaluation enable the State to systematically identify the facilities most in need of improvement.*

**Volume IV** *briefly summarizes the work of the first three volumes and blends the assessment of future growth and the evaluation of existing facilities into a cohesive plan for capital improvements. The plan provides for the strategic construction of new facilities, or for the improvement of existing facilities, according to the priority of needs.*

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# INTRODUCTION

**INTRODUCTION**

The growth in a State Judicial System is a function of both the growth in caseload and a function of the way in which the system responds to that caseload. The forecasts which follow are intended to assist the State in understanding the population forces which have affected increased demands for judicial services; to compare the fluctuations in growth within circuits and within the jurisdictional tiers; and to project the likely future demands for judges in a way that will enable the State to undertake a measured program of judicial facility improvement in response to current and future growth needs.

The narrative, tables and figures which follow are intended to explain general forecasting methodology and to provide detailed tabular and graphic illustrations of that methodology as it pertains to the Hawaii Judicial System. Each major section commences with a graphic summary of the major conclusions of the section and then shows the detailed analytical steps which led to those conclusions.

---

## **Forecasting Methodology**

**FORECASTING METHODOLOGY**

**FORECASTING METHODOLOGY**

Continued growth in system indicators, such as population, will exert increased demand for judicial services. The personnel required to provide those services must be calculated not merely for today's need, but for 10 and 20 years into the future. Attempting to project future needs is the answer, but it is not a simple process. Even without the stresses of population growth, changes in the judicial system and legal process will dictate ebbs and flows in the need for judicial services. Consequently, forecasting is not an exact science, but rather a combination of statistical analysis mixed with the perceptions of the judicial system actors, and leavened by the practical forecasting experience of the planning consultants.

**Assumptions**

The forecasting methodologies that have been developed for the State of Hawaii are based on four fundamental assumptions.

The first assumption is that population growth is generally the strongest single factor influencing caseload growth. As such, relationships between caseload and projected population will have predictive value in forecasting future justice system trends.

Second, it is believed that court filings, as the best consistent measure available, are a highly predictive mechanism for anticipating future growth in courts and court personnel.

**FORECASTING METHODOLOGY**

Third, it is believed that three primary forecasting methodologies, from which numerous models may be derived, afford the best predictive indicators for judicial system forecasting. These are: historical trends projected (uncompounded) into the future; ratios to population factored for changes in rate of growth (filings growing faster than population, for instance); and relationship models such as linear regression, multiple regression, and filing change to population change, that are based on system component inter-relationships.

Fourth, it is believed that a multi-factored approach that combines at least two of the above methodologies offers superior predictive value. Averaging forecasts fairly close in result but derived from different methodological sources prevents over-reliance on a single event, indicator, or component trend. As not all variables can be accounted for, broad-based methodologies provide the best opportunity for accurate forecasts.

These methodologies are used to build hierarchical projections for forecasted components. Population and filing projections become the foundation of future workload estimates. These estimates are applied to growth in judgeships statewide and then disaggregated by individual jurisdictions.

**Caseload Forecasts**

Based upon the aforementioned assumptions, various forecasting models were developed for projecting future caseload for the State of Hawaii. Each model employed has to satisfy three important criteria before it can be included in the forecast. First, the model has to be based on sound methodological principles; second, it has to be mathematically correct and consistent; and third, it has to have intuitive validity that makes it a realistic forecast.

**FORECASTING METHODOLOGY**

The forecasts in the tables that follow present ten primary models. Numerous other models were also attempted, but were ultimately discarded because they did not meet at least one of the three criteria mentioned above. Each model utilized is grounded on a basic principle of statistical forecasting, and that is, that once reliable historical data is obtained for a substantial period of time, the forecaster can discern the rate of change, and using various mathematical models, can develop projections that reflect the observed rate.

The forecast tables and graphs will depict, both numerically and visually, the historical filing data for the various circuits in the State of Hawaii. This type of analysis helps to identify and explain:

- . Trends in the data, such as stability, or an increasing or decreasing rate of change;
- . The actual rates of change;
- . Any cyclical patterns or systematic variations in the data;
- . Data anomalies, such as sharp peaks or declines, that require explanation before a forecast can be completed.

**Caseload Forecasting Models**

The ten basic forecasting models utilized to project future caseload for each circuit in the State of Hawaii are as follows:

**FORECASTING METHODOLOGY**

1. **Historical Trend** - examines growth in the system in terms of a percentage change. Determines the percentage change in filings over the historical period, and projects the same percentage into the future. Generally, establishes the upper parameter for all forecasts.
2. **Actual Number Change** - follows the same principle as Historical Trend except uses the actual number growth or decline. Generally establishes the lower parameter for all forecasts.
3. **Ratio to Population** - examines the relationship of filings to population for each year in the period, and determines the rate of change. Depending upon whether the rate is increasing, decreasing, or stable, five variations may be selected: an increasing ratio, a decreasing ratio, an average ratio, a high ratio, or a low ratio. Each of these may be expressed in terms of either a percentage or an actual number.
4. **Modified Historical Trend** - based on the same principle as Model 1 except averages periods that cluster together, then determines the rate of change, thereby avoiding an over-reliance on a single data point for a forecast.
5. **Modified Actual Number** - based on the same principle as Model 2, also averages periods that cluster together and determines rate of change.
6. **Modified Percentage Ratio to Population** - a derivative of Model 3, averages the ratios that cluster together, determines the rate of change, and projects the percentage ratio with the projected population. May be an increasing, decreasing, or average ratio.
7. **Modified Number Ratio to Population** - similar to Model 6, except uses the actual number of the ratio.

FORECASTING METHODOLOGY

NOTE: Models 4 and 5, 6 and 7 are often averaged together in a bracketing technique to narrow the upper and lower parameters and result in a more valid forecast.

8. **Actual Number/Population Relationship** - averages similar clusters of filings together and determines the degree of change, then does the same with population. Develops a ratio of the change in filings to the change in population, and uses the ratio with projected population to arrive at forecasted filings.
9. **Linear Regression** - a technique for examining the relationship between time and filings. A least squares analysis is used which squares the values of the filings, plots the values on an x/y graph, and draws a line through the points that minimizes the sum of the distances to the line. An equation can be determined which produces the slope and intercept of the line. The slope and intercept values are then used to project future filings.
10. **Multiple Regression** - a multi-variate analysis used to determine the influence of several independent variables such as population, unemployment, and crime rate, in predicting the value of a dependent variable, filings. A formula is developed that correlates filings with the other variables and uses the resultant regression equation to project filings.

**Judgeship Forecasts**

Developing filing forecasts which can form the basis for determining future caseloads requires both historical analysis and judgment in the extent to which the future might

**FORECASTING METHODOLOGY**

resemble the past. The process by which future judgeships are predicted is also, necessarily, somewhat judgmental.

Ratios of judges to population are examined, historical disposition rates are analyzed, and conclusions are drawn concerning the number of judges who might be required to resolve projected caseloads. Throughout this process, practical forecasting experience derived from other jurisdictions, and specific operational and management insights into the Hawaii Judicial System are helpful in determining the number of future judges for which the State should provide facilities.

As a rule, caseloads (defined as terminations per judge), like filings, are not static. In Hawaii, as in nearly all jurisdictions in the United States, both filings and caseloads have tended to increase over time. Although cases are perceived as becoming somewhat more complex, advances in the areas of judicial administration, caseload management, alternative dispute resolution, and information technology have generally enabled the courts to more than keep pace with increases in caseload complexity.

An examination of virtually any jurisdictional level or location in Hawaii will reveal historical filing increases being accompanied by some historical increases in the average terminations per judge. This is entirely consistent with the Consultant's experience elsewhere in the United States. The ability to concentrate and wisely manage its judicial resources frequently enables a jurisdiction to keep pace when confronted with increasing filing rates. Typically, the only times that increased filings do not appear to be at least somewhat matched by increased termination rates is when the magnitude of increase overwhelms a jurisdiction or when abundant resources are provided.

An example of the normal filing and termination pattern is observable in the Family Court between 1973 and 1979, where a steadily increasing caseload (16,055 filings to 22,854) was not paralleled by a concomitant increase in the number of judges. Caseload increased, but judgeships remained fairly constant at around 8.5 to 9.0 Family Court judges. During that period, terminations per judge increased somewhat

**FORECASTING METHODOLOGY**

proportionally to filing increases, and disposition rates remained above 90 percent. (Terminations divided by filings equals disposition rate.)

In the Circuit Court, by contrast, resources have always been fairly abundant, so terminations per judge have never increased proportionally to caseload, nor have disposition rates ever consistently topped 90 percent. Thus, between 1973 and 1987, filings have increased (with some fluctuations) from approximately 9,000 to approximately 14,000, but the number of judges hearing Circuit Court cases has increased from 14 to 27.

It is believed by both the Consultant and the Task Force that greater judicial efficiency can be achieved in all jurisdictional tiers. The judgeship forecasts presented in this report reflect that belief. Caseload management/delay reduction programs are being undertaken at all levels. The successfully completed Operational Analysis of the First Circuit Family Court lends confidence to the belief that greater efficiency can be achieved here, as in other jurisdictions in the United States, without sacrificing any of the fundamental goals or principles of justice. In fact, there is widespread acceptance for the belief that the effective and efficient resolution of disputes is at the core of the concept of justice.

The disposition levels which have been selected in projecting future judgeships reflect an awareness of the abundance of judicial resources where that abundance has been evident. Circuit Court forecasts have been developed around the premise that District Court judges hearing Circuit Court cases in the First Circuit can be gradually phased-out. The Chief Justice has already commenced the return of District judges to the District Court. In turn, the District and Family Courts are expected to rely less on the abundant resources of per diem judges and to return more to the original concept that such judges assist on an emergency rather than a routine basis.

The disposition levels which are used as the basis for the judgeship forecasts are believed to be realistic. They are either being attained in some of the Hawaii Courts now, or they have been attained in previous years. Given the Court's determination to

## FORECASTING METHODOLOGY

wisely manage judicial resources, and to continue to develop appropriate delay reduction mechanisms, it is believed that the judgeship forecasts will enable the State to systematically provide judicial facilities to accommodate future caseload growth.

**Judgeship Forecasting Models**

The judgeship forecasting models for the state of Hawaii examined the current level of judgeships by subdividing them into three types:

1. **Statutory Judgeships** - Judgeships that were appointed by the Governor and confirmed by the State Senate, and are dedicated to hearing either Circuit Court, Family Court, or District Court cases. In those districts that share judges across jurisdictional tiers, statutory judgeships were determined using reasonable and consistent caseloads for each judge by case type.
2. **Assigned Judgeships** - Assigned judgeships were used exclusively in the First Judicial Circuit to designate District Court judges that also hear Circuit Court cases. The practice originated in FY 1982-83 with four judges assigned, and this total has remained constant until FY 1987-88. The District Court judges substitute for Circuit Court judges during vacations, sick leave, and training seminars.
3. **Per Diem Judgeships** - Per diem judges are appointed on an as-needed basis by the Chief Justice, and serve in the District and Family Courts. For each circuit, per diem judges were calculated using the number of days served, and dividing this number by 215 days, which represents one full judicial year, excluding weekends, holidays, vacation time, sick leave, and

## FORECASTING METHODOLOGY

training seminars. This process produced the number of equivalent full-time judges for each circuit.

Caseload (terminations per judge) was then calculated using two methods. One approach based caseload on the current level of full-time equivalency (FTE) judgeships which included statutory judges plus any per diem judges, as this is the current number of judgeships hearing each case type. A second approach based caseload on the number of statutory judgeships alone, without the use of any per diem or assigned judges. The judgeship projection models utilized the second approach and were based on the historical growth of statutory judgeships and terminations per statutory judge.

As with the caseload forecasting models, various judgeship forecasting models were developed and tested. From these models, three primary models are shown in the tables:

1. **Actual Number Increase** - examines the growth in judgeships within the historical period, and projects the same rate of growth into the future. In each case, this number is based upon statutory rather than full-time equivalency judgeships.
2. **Ratio to Population** - examines the relationship of judges to population for each year in the period, and determines the rate of change. Depending upon whether the rate is increasing, decreasing, or stable, five variations of the model may be selected: an increasing ratio, a decreasing ratio, an average ratio, a high ratio, or a low ratio.
3. **Caseload Models** - examines the disposition rates and terminations per judge during the historical period. Using the forecasted filings for the circuit, the model then applies an average termination rate, a high termination rate, and an increasing termination rate to determine the number of judges required to meet the new caseload. Again, this model is based on statutory judgeships only, exclusive of any per diem or assigned judges.

SUMMARY OF STATE FILING AND JUDGESHIP FORECASTS

**Summary of  
Historical and Projected Filings and Judgeships**

---

**STATE FILING AND JUDGESHIP FORECASTS****SUMMARY OF HISTORICAL AND PROJECTED FILINGS AND JUDGESHIPS**

Tables 1 through 8 present a summary of the State Filing and Judgeship Forecasts in five-year increments to the year 2005.

Table 1 is a summary of all State filings and judgeships by court type. This table shows the projected filings and judgeships for the statewide Circuit Court, Family Court, and District Court. The tables that follow Table 1 disaggregate the total forecasts by (1) circuit and (2) court type.

Tables 2 through 4 show forecasted filings and judgeships for the First Circuit, Second Circuit, Third Circuit, and Fifth Circuit, respectively. Tables 6 through 8 present the same information by court type, beginning with Circuit Court, Family Court, and District Court, respectively.

In forecasting methodology, the aggregated forecast represents the global projection. The global projection is generally more accurate than the combined sum of the individual projections, as it is easier to project the dynamics of an entire system rather than the ebb and flow of separate components. The comparison of the global forecast with the disaggregated forecasts serves as a check to reaffirm the accuracy and congruence of the projections.

As seen in Tables 1 and 6, the projections for the Circuit Court total approximately 22,676 filings in 2005, a 70 percent increase from the current level of 13,326. The sum of the disaggregated forecasts totals 22,015 filings for 2005. The number of judgeships required to meet this caseload are projected to grow from 23 judges in 1987 to 27 judges in 2005.

**STATE FILING AND JUDGESHIP FORECASTS**

Tables 1 and 7 present the Family Court forecasts. The Family Court projections for 2005 are approximately 80,188 filings, a 113 percent increase from the present caseload of 37,639. The sum of the disaggregated forecasts totals 80,186 filings for 2005. It is anticipated that 18.6 full-time judges will be required to dispose of this caseload, up from the current level of 11.9 Family Court judges.

The District Court projections are presented in Tables 1 and 8. The 2005 forecast of approximately 1.49 million filings is an increase of 69 percent over the present caseload of 882,335. The sum of the disaggregated forecasts totals 1.485 million filings for 2005. The number of judges required to meet this increased caseload demand should grow from the current level of 19.4 judges, to roughly 27 judges in 2005.

**Summary of Projected Filings and Judgeships by Circuit**

---

**Table 1  
Hawaii Judicial System  
Summary of Filing and Judgeship Forecasts by Court Type, 1990-2005**

<i>FILINGS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Circuit Court</i>	<i>13,326</i>	<i>15,701</i>	<i>18,127</i>	<i>20,375</i>	<i>22,676</i>
<i>Family Court</i>	<i>37,639</i>	<i>44,429</i>	<i>56,157</i>	<i>67,940</i>	<i>80,188</i>
<i>District Court</i>	<i>882,335</i>	<i>1,018,170</i>	<i>1,184,522</i>	<i>1,337,378</i>	<i>1,493,426</i>
<b><i>Total: All Courts</i></b>	<b><i>933,300</i></b>	<b><i>1,078,300</i></b>	<b><i>1,258,806</i></b>	<b><i>1,425,693</i></b>	<b><i>1,596,290</i></b>
<i>JUDGESHIPS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Circuit Court</i>	<i>23.0</i>	<i>23.1</i>	<i>24.6</i>	<i>25.8</i>	<i>27.0</i>
<i>Family Court</i>	<i>11.6</i>	<i>13.1</i>	<i>15.2</i>	<i>17.0</i>	<i>18.6</i>
<i>District Court</i>	<i>19.4</i>	<i>21.7</i>	<i>23.8</i>	<i>25.5</i>	<i>27.0</i>
<b><i>Total: All Courts</i></b>	<b><i>54.0</i></b>	<b><i>57.9</i></b>	<b><i>63.6</i></b>	<b><i>68.3</i></b>	<b><i>72.6</i></b>

**Notes:**

*(1) Judgeships calculated excluding any per diem or assigned judges.*

*Source: Carter Goble Associates, Inc., May 1988.*

**Table 2**  
**First Circuit**  
**Summary of Filing and Judgeship Forecasts by Court Type, 1990-2005**

<i>FILINGS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Circuit Court</i>	<i>8,397</i>	<i>9,504</i>	<i>10,538</i>	<i>11,411</i>	<i>12,299</i>
<i>Family Court</i>	<i>26,544</i>	<i>30,687</i>	<i>37,710</i>	<i>44,569</i>	<i>51,610</i>
<i>District Court</i>	<i>729,841</i>	<i>840,325</i>	<i>961,007</i>	<i>1,064,396</i>	<i>1,169,498</i>
<b><i>Total: All Courts</i></b>	<b><i>764,782</i></b>	<b><i>880,516</i></b>	<b><i>1,009,255</i></b>	<b><i>1,120,376</i></b>	<b><i>1,233,407</i></b>
<i>JUDGESHIPS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Circuit Court</i>	<i>16.0</i>	<i>16.0</i>	<i>16.7</i>	<i>17.2</i>	<i>17.6</i>
<i>Family Court</i>	<i>9.0</i>	<i>9.2</i>	<i>10.4</i>	<i>11.4</i>	<i>12.2</i>
<i>District Court</i>	<i>14.0</i>	<i>14.8</i>	<i>16.1</i>	<i>17.0</i>	<i>17.8</i>
<b><i>Total: All Courts</i></b>	<b><i>39.0</i></b>	<b><i>40.0</i></b>	<b><i>43.2</i></b>	<b><i>45.6</i></b>	<b><i>47.6</i></b>

**Notes:**

*(1) Totals reflect aggregate forecasts, not the sum of the disaggregated forecasts.*

*Source: Carter Goble Associates, Inc., May 1988.*

**Table 3**  
**Second Circuit**  
**Summary of Filing and Judgeship Forecasts by Court Type, 1990-2005**

<i>FILINGS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Circuit Court</i>	<i>1,733</i>	<i>2,088</i>	<i>2,586</i>	<i>3,086</i>	<i>3,569</i>
<i>Family Court</i>	<i>3,418</i>	<i>5,094</i>	<i>6,446</i>	<i>7,824</i>	<i>9,196</i>
<i>District Court</i>	<i>75,514</i>	<i>90,018</i>	<i>113,815</i>	<i>137,593</i>	<i>160,311</i>
<i>Total: All Courts</i>	<i>80,665</i>	<i>97,200</i>	<i>122,847</i>	<i>148,503</i>	<i>173,076</i>
<i>JUDGESHIPS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Circuit Court</i>	<i>3.0</i>	<i>3.0</i>	<i>3.3</i>	<i>3.5</i>	<i>3.6</i>
<i>Family Court</i>	<i>1.0</i>	<i>1.3</i>	<i>1.6</i>	<i>1.8</i>	<i>2.0</i>
<i>District Court</i>	<i>2.0</i>	<i>3.0</i>	<i>3.4</i>	<i>3.8</i>	<i>4.1</i>
<i>Total: All Courts</i>	<i>6.0</i>	<i>7.3</i>	<i>8.3</i>	<i>9.1</i>	<i>9.7</i>

**Notes:**

*(1) Totals reflect aggregate forecasts, not the sum of the disaggregated forecasts.*

*Source: Carter Goble Associates, Inc., May 1988.*

**Table 4**  
**Third Circuit**  
**Summary of Filing and Judgeship Forecasts by Court Type, 1990-2005**

<i>FILINGS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Circuit Court</i>	<i>2,411</i>	<i>2,823</i>	<i>3,374</i>	<i>3,889</i>	<i>4,432</i>
<i>Family Court</i>	<i>5,598</i>	<i>6,563</i>	<i>8,285</i>	<i>10,031</i>	<i>11,989</i>
<i>District Court</i>	<i>54,089</i>	<i>61,726</i>	<i>74,828</i>	<i>87,419</i>	<i>101,075</i>
<b><i>Total: All Courts</i></b>	<b><i>62,098</i></b>	<b><i>71,112</i></b>	<b><i>86,487</i></b>	<b><i>101,339</i></b>	<b><i>117,496</i></b>
<i>JUDGESHIPS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Circuit Court</i>	<i>3.0</i>	<i>3.0</i>	<i>3.3</i>	<i>3.5</i>	<i>3.6</i>
<i>Family Court</i>	<i>1.0</i>	<i>1.7</i>	<i>2.1</i>	<i>2.4</i>	<i>2.7</i>
<i>District Court</i>	<i>2.0</i>	<i>2.1</i>	<i>2.3</i>	<i>2.5</i>	<i>2.6</i>
<b><i>Total: All Courts</i></b>	<b><i>6.0</i></b>	<b><i>6.8</i></b>	<b><i>7.7</i></b>	<b><i>8.4</i></b>	<b><i>8.9</i></b>

*Notes:*

*(1) Totals reflect aggregate forecasts, not the sum of the disaggregated forecasts.*

*Source: Carter Goble Associates, Inc., May 1988.*

**Table 5**  
**Fifth Circuit**  
**Summary of Filing and Judgeship Forecasts by Court Type, 1990-2005**

<i>FILINGS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Circuit Court</i>	<i>785</i>	<i>943</i>	<i>1,179</i>	<i>1,437</i>	<i>1,715</i>
<i>Family Court</i>	<i>2,079</i>	<i>3,357</i>	<i>4,633</i>	<i>5,979</i>	<i>7,391</i>
<i>District Court</i>	<i>22,891</i>	<i>26,991</i>	<i>35,295</i>	<i>44,380</i>	<i>54,165</i>
<b><i>Total: All Courts</i></b>	<b><i>25,755</i></b>	<b><i>31,291</i></b>	<b><i>41,107</i></b>	<b><i>51,796</i></b>	<b><i>63,271</i></b>
<i>JUDGESHIPS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Circuit Court</i>	<i>1.0</i>	<i>1.2</i>	<i>1.4</i>	<i>1.5</i>	<i>1.6</i>
<i>Family Court</i>	<i>0.6</i>	<i>0.9</i>	<i>1.2</i>	<i>1.4</i>	<i>1.7</i>
<i>District Court</i>	<i>1.4</i>	<i>1.7</i>	<i>1.9</i>	<i>2.1</i>	<i>2.2</i>
<b><i>Total: All Courts</i></b>	<b><i>3.0</i></b>	<b><i>3.8</i></b>	<b><i>4.5</i></b>	<b><i>5.0</i></b>	<b><i>5.5</i></b>

**Notes:**  
**(1) Totals reflect aggregate forecasts, not the sum of the disaggregated forecasts.**

**Source: Carter Goble Associates, Inc., May 1988.**

## **Summary of Projected Filings and Judgeships by Court Type**

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**Table 6**  
**Hawaii Judicial System**  
**Summary of Circuit Court Filing and Judgeship Forecasts, 1990-2005**

<i>FILINGS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit Court</i>	<i>8,387</i>	<i>9,504</i>	<i>10,538</i>	<i>11,411</i>	<i>12,299</i>
<i>Second Circuit Court</i>	<i>1,733</i>	<i>2,088</i>	<i>2,586</i>	<i>3,086</i>	<i>3,569</i>
<i>Third Circuit Court</i>	<i>2,411</i>	<i>2,823</i>	<i>3,374</i>	<i>3,889</i>	<i>4,432</i>
<i>Fifth Circuit Court</i>	<i>785</i>	<i>943</i>	<i>1,179</i>	<i>1,437</i>	<i>1,715</i>
<b><i>Total: All Circuits</i></b>	<b><i>13,326</i></b>	<b><i>15,701</i></b>	<b><i>18,127</i></b>	<b><i>20,375</i></b>	<b><i>22,676</i></b>
<i>JUDGESHIPS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit Court</i>	<i>16.0</i>	<i>16.0</i>	<i>16.7</i>	<i>17.2</i>	<i>17.6</i>
<i>Second Circuit Court</i>	<i>3.0</i>	<i>3.0</i>	<i>3.3</i>	<i>3.5</i>	<i>3.6</i>
<i>Third Circuit Court</i>	<i>3.0</i>	<i>3.2</i>	<i>3.5</i>	<i>3.8</i>	<i>3.9</i>
<i>Fifth Circuit Court</i>	<i>1.0</i>	<i>1.2</i>	<i>1.4</i>	<i>1.5</i>	<i>1.6</i>
<b><i>Total: All Circuits</i></b>	<b><i>23.0</i></b>	<b><i>23.1</i></b>	<b><i>24.6</i></b>	<b><i>25.8</i></b>	<b><i>27.0</i></b>
<i>Notes: (1) Totals reflect aggregate forecasts, not the sum of the disaggregated forecasts.</i> <i>(2) Judgeships were calculated on the basis of statutory Circuit Judges only, excluding any assigned or per diem judges.</i>					

**Table 7**  
**Hawaii Judicial System**  
**Summary of Family Court Filing and Judgeship Forecasts, 1990-2005**

<i>FILINGS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit Family Court</i>	<i>26,544</i>	<i>30,687</i>	<i>37,710</i>	<i>44,569</i>	<i>51,610</i>
<i>Second Circuit Family Court</i>	<i>3,418</i>	<i>5,094</i>	<i>6,446</i>	<i>7,824</i>	<i>9,196</i>
<i>Third Circuit Family Court</i>	<i>5,598</i>	<i>6,563</i>	<i>8,285</i>	<i>10,031</i>	<i>11,989</i>
<i>Fifth Circuit Family Court</i>	<i>2,079</i>	<i>3,357</i>	<i>4,633</i>	<i>5,979</i>	<i>7,391</i>
<b><i>Total: All Circuits</i></b>	<b><i>37,639</i></b>	<b><i>44,429</i></b>	<b><i>56,157</i></b>	<b><i>67,940</i></b>	<b><i>80,188</i></b>
<i>JUDGESHIPS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit Family Court</i>	<i>9.0</i>	<i>9.2</i>	<i>10.4</i>	<i>11.4</i>	<i>12.2</i>
<i>Second Circuit Family Court</i>	<i>1.0</i>	<i>1.3</i>	<i>1.6</i>	<i>1.8</i>	<i>2.0</i>
<i>Third Circuit Family Court</i>	<i>1.3</i>	<i>1.7</i>	<i>2.1</i>	<i>2.4</i>	<i>2.7</i>
<i>Fifth Circuit Family Court</i>	<i>0.6</i>	<i>0.9</i>	<i>1.2</i>	<i>1.4</i>	<i>1.7</i>
<b><i>Total: All Circuits</i></b>	<b><i>11.9</i></b>	<b><i>13.1</i></b>	<b><i>15.3</i></b>	<b><i>17.0</i></b>	<b><i>18.6</i></b>
<i>Notes: (1) Totals reflect aggregate forecasts, not the sum of the disaggregated forecasts.</i> <i>(2) Judgeships were calculated on the basis of statutory Family Judges only, excluding any assigned or per diem judges.</i>					

**Table 8**  
**Hawaii Judicial System**  
**Summary of District Court Filing and Judgeship Forecasts, 1990-2005**

<i>FILINGS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit District Court</i>	<i>729,841</i>	<i>840,325</i>	<i>961,007</i>	<i>1,064,396</i>	<i>1,169,498</i>
<i>Second Circuit District Court</i>	<i>75,514</i>	<i>90,018</i>	<i>113,815</i>	<i>137,593</i>	<i>160,311</i>
<i>Third Circuit District Court</i>	<i>54,089</i>	<i>61,726</i>	<i>74,828</i>	<i>87,419</i>	<i>101,075</i>
<i>Fifth Circuit District Court</i>	<i>22,891</i>	<i>26,991</i>	<i>35,295</i>	<i>44,380</i>	<i>54,165</i>
<b><i>Total: All Circuits</i></b>	<b><i>882,335</i></b>	<b><i>1,018,170</i></b>	<b><i>1,184,522</i></b>	<b><i>1,337,378</i></b>	<b><i>1,493,426</i></b>
<i>JUDGESHIPS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit District Court</i>	<i>14.0</i>	<i>14.8</i>	<i>16.1</i>	<i>17.0</i>	<i>17.8</i>
<i>Second Circuit District Court</i>	<i>2.0</i>	<i>3.0</i>	<i>3.4</i>	<i>3.8</i>	<i>4.1</i>
<i>Third Circuit District Court</i>	<i>2.0</i>	<i>2.1</i>	<i>2.3</i>	<i>2.5</i>	<i>2.6</i>
<i>Fifth Circuit District Court</i>	<i>1.4</i>	<i>1.7</i>	<i>1.9</i>	<i>2.1</i>	<i>2.2</i>
<b><i>Total: All Circuits</i></b>	<b><i>19.4</i></b>	<b><i>21.7</i></b>	<b><i>23.8</i></b>	<b><i>25.5</i></b>	<b><i>27.0</i></b>
<b>Notes:</b> (1) Totals reflect aggregate forecasts, not the sum of the disaggregated forecasts. (2) Judgeships were calculated on the basis of statutory District Judges only, excluding any assigned or per diem judges.					

**Historical State Filing Data**

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**STATE FILING AND JUDGESHIP FORECASTS**

**Historical State Filing Data**

Table 9 reviews the historical filings for Circuit, Family, and District Courts for each circuit during the 1973-1987 time period. Over the fourteen-year period, total state filings have increased from approximately 575,000 to roughly 1,000,000 filings.

Table 10 examines the percentage of total filings that each type of court comprises within the circuit, and how that percentage has changed over time.

Table 11 shows the ratio of filings per 1,000 population for each court type and how these have changed over time. The trend for each court in each circuit is an increasing ratio, indicating that filings are growing at a faster rate than population.

**Table 9**  
**Hawaii Judicial System**  
**Historical Court Filings for All Circuits, 1973-1987**

<b>FILINGS</b>	<b>1972-73</b>	<b>1973-74</b>	<b>1974-75</b>	<b>1975-76</b>	<b>1976-77</b>	<b>1977-78</b>	<b>1978-79</b>	<b>1979-80</b>	<b>1980-81</b>	<b>1981-82</b>	<b>1982-83</b>	<b>1983-84</b>	<b>1984-85</b>	<b>1985-86</b>	<b>1986-87</b>
<b>ALL CIRCUITS</b>															
Circuit Court Filings	8,835	9,324	9,654	9,769	10,188	10,074	11,291	11,997	12,591	15,182	17,086	14,453	14,633	14,297	13,326
Family Court Filings	16,055	16,420	16,885	18,329	20,794	22,529	22,854	23,718	23,860	26,659	24,597	27,644	30,049	33,902	37,639
District Court Filings	549,586	580,462	567,756	603,038	666,485	717,283	801,806	772,009	843,181	938,862	966,111	919,460	930,341	960,221	882,335
<b>Total Filings</b>	<b>574,476</b>	<b>606,206</b>	<b>594,295</b>	<b>631,136</b>	<b>697,467</b>	<b>749,886</b>	<b>835,951</b>	<b>807,724</b>	<b>879,632</b>	<b>980,703</b>	<b>1007794</b>	<b>961,557</b>	<b>975,023</b>	<b>1008420</b>	<b>933,300</b>
Hawaii State Population	851,600	868,000	886,000	904,200	918,300	931,600	953,300	968,900	980,600	997,800	1019500	1037200	1051500	1069700	1087900
<b>FIRST CIRCUIT</b>															
Circuit Court Filings	6,656	6,971	6,982	7,190	6,910	6,941	7,851	8,010	8,413	10,315	12,145	9,578	9,581	9,266	8,397
Family Court Filings	12,537	12,889	13,166	14,198	15,756	16,487	17,146	17,389	16,817	18,404	16,983	19,752	21,591	24,064	26,544
District Court Filings	501,135	529,380	511,048	531,264	605,801	645,922	725,241	670,531	735,094	820,927	840,048	788,836	784,822	813,672	729,841
<b>Total Filings</b>	<b>520,328</b>	<b>549,240</b>	<b>531,196</b>	<b>552,652</b>	<b>628,467</b>	<b>669,350</b>	<b>750,238</b>	<b>695,930</b>	<b>760,324</b>	<b>849,646</b>	<b>869,176</b>	<b>818,166</b>	<b>815,994</b>	<b>847,002</b>	<b>764,782</b>
Honolulu County Population	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,100	822,300	833,500
<b>SECOND CIRCUIT</b>															
Circuit Court Filings	871	818	862	832	1,274	1,056	1,244	1,606	1,641	1,873	1,755	1,644	1,916	1,883	1,733
Family Court Filings	1,310	1,055	1,137	1,319	1,467	1,845	1,707	1,645	2,055	2,509	2,546	2,437	2,522	2,893	3,418
District Court Filings	20,230	19,118	25,268	22,981	24,982	38,621	40,533	50,502	50,671	56,922	67,956	72,470	73,806	66,366	75,514
<b>Total Filings</b>	<b>22,411</b>	<b>20,991</b>	<b>27,267</b>	<b>25,132</b>	<b>27,723</b>	<b>41,522</b>	<b>43,484</b>	<b>53,753</b>	<b>54,367</b>	<b>61,304</b>	<b>72,257</b>	<b>76,551</b>	<b>78,244</b>	<b>71,142</b>	<b>80,665</b>
Maui County Population	53,400	53,800	56,800	60,300	63,000	66,200	69,700	71,600	74,100	77,000	80,000	83,500	85,500	88,060	90,620

(table continues)

**Table 9 (continued)**  
**Hawaii Judicial System**  
**Historical Court Filings for All Circuits, 1973-1987**

<b>FILINGS</b>	<b>1972-73</b>	<b>1973-74</b>	<b>1974-75</b>	<b>1975-76</b>	<b>1976-77</b>	<b>1977-78</b>	<b>1978-79</b>	<b>1979-80</b>	<b>1980-81</b>	<b>1981-82</b>	<b>1982-83</b>	<b>1983-84</b>	<b>1984-85</b>	<b>1985-86</b>	<b>1986-87</b>
<b>THIRD CIRCUIT</b>															
Circuit Court Filings	985	1,052	1,348	1,362	1,416	1,579	1,729	1,799	1,787	2,152	2,491	2,325	2,380	2,301	2,411
Family Court Filings	1,742	1,954	2,038	2,209	2,877	3,321	3,125	3,665	4,096	4,726	3,942	4,228	4,430	5,247	5,598
District Court Filings	23,796	27,009	24,575	41,541	28,583	22,221	23,287	40,133	42,875	46,608	45,183	39,357	50,820	58,904	54,089
<b>Total Filings</b>	<b>26,523</b>	<b>30,015</b>	<b>27,961</b>	<b>45,112</b>	<b>32,876</b>	<b>27,121</b>	<b>28,141</b>	<b>45,597</b>	<b>48,758</b>	<b>53,486</b>	<b>51,616</b>	<b>45,910</b>	<b>57,630</b>	<b>66,452</b>	<b>62,098</b>
Hawaii County Population	73,900	74,000	77,400	80,700	82,800	85,900	89,400	93,000	97,000	100,200	103,000	107,200	109,200	112,380	115,560
<b>FIFTH CIRCUIT</b>															
Circuit Court Filings	323	483	462	385	588	498	467	582	750	842	695	906	756	847	785
Family Court Filings	466	522	544	603	694	786	786	1,019	892	1,020	1,126	1,227	1,506	1,698	2,079
District Court Filings	4,425	4,955	6,865	7,252	7,119	10,519	12,745	10,843	14,541	15,035	12,924	18,797	20,893	21,279	22,891
<b>Total Filings</b>	<b>5,214</b>	<b>5,960</b>	<b>7,871</b>	<b>8,240</b>	<b>8,401</b>	<b>11,803</b>	<b>13,998</b>	<b>12,444</b>	<b>16,183</b>	<b>16,897</b>	<b>14,745</b>	<b>20,930</b>	<b>23,155</b>	<b>23,824</b>	<b>25,755</b>
Kauai County Population	32,900	32,600	33,400	34,900	35,500	36,800	38,100	39,400	40,600	41,900	43,100	44,200	45,400	46,680	47,960

**Table 10**  
**Hawaii Judicial System**  
**Percent of Total Filings by Circuit and Court Type, 1973-1987**

PERCENTAGE OF FILINGS BY COURT TYPE	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
<b>ALL CIRCUITS</b>															
Circuit Court Filings	1.5%	1.5%	1.6%	1.5%	1.5%	1.3%	1.4%	1.5%	1.4%	1.5%	1.7%	1.5%	1.5%	1.4%	1.4%
Family Court Filings	2.8%	2.7%	2.8%	2.9%	3.0%	3.0%	2.7%	2.9%	2.7%	2.7%	2.4%	2.9%	3.1%	3.4%	4.0%
District Court Filings	95.7%	95.8%	95.5%	95.5%	95.6%	95.7%	95.9%	95.6%	95.9%	95.7%	95.9%	95.6%	95.4%	95.2%	94.5%
<b>Total Filings</b>	<b>100.0%</b>														
State of Hawaii															
<b>FIRST CIRCUIT</b>															
Circuit Court Filings	1.3%	1.3%	1.3%	1.3%	1.1%	1.0%	1.0%	1.2%	1.1%	1.2%	1.4%	1.2%	1.2%	1.1%	1.1%
Family Court Filings	2.4%	2.3%	2.5%	2.6%	2.5%	2.5%	2.3%	2.5%	2.3%	2.2%	2.0%	2.4%	2.6%	2.8%	3.5%
District Court Filings	96.3%	96.4%	96.1%	96.1%	96.4%	96.5%	96.7%	96.4%	96.6%	96.6%	96.6%	96.4%	96.2%	96.1%	95.4%
<b>Total Filings</b>	<b>100.0%</b>														
Honolulu County															
<b>SECOND CIRCUIT</b>															
Circuit Court Filings	3.9%	3.9%	3.2%	3.3%	4.6%	2.5%	2.9%	3.0%	3.0%	3.1%	2.4%	2.1%	2.4%	2.6%	2.1%
Family Court Filings	5.8%	5.0%	4.2%	5.2%	5.3%	4.4%	3.9%	3.1%	3.8%	4.1%	3.5%	3.2%	3.2%	4.1%	4.2%
District Court Filings	90.3%	91.1%	92.7%	91.4%	90.1%	93.0%	93.2%	94.0%	93.2%	92.9%	94.0%	94.7%	94.3%	93.3%	93.6%
<b>Total Filings</b>	<b>100.0%</b>														
Maui County															

(table continues)

**Table 10 (continued)**  
**Hawaii Judicial System**  
**Percent of Total Filings by Circuit and Court Type, 1973-1987**

<b>PERCENTAGE OF FILINGS BY COURT TYPE</b>	<b>1972-73</b>	<b>1973-74</b>	<b>1974-75</b>	<b>1975-76</b>	<b>1976-77</b>	<b>1977-78</b>	<b>1978-79</b>	<b>1979-80</b>	<b>1980-81</b>	<b>1981-82</b>	<b>1982-83</b>	<b>1983-84</b>	<b>1984-85</b>	<b>1985-86</b>	<b>1986-87</b>
<b>THIRD CIRCUIT</b>															
Circuit Court Filings	3.7%	3.5%	4.8%	3.0%	4.3%	5.8%	6.1%	3.9%	3.7%	4.0%	4.8%	5.1%	4.1%	3.5%	3.9%
Family Court Filings	6.6%	6.5%	7.3%	4.9%	8.8%	12.2%	11.1%	8.0%	8.4%	8.8%	7.6%	9.2%	7.7%	7.9%	9.0%
District Court Filings	89.7%	90.0%	87.9%	92.1%	86.9%	81.9%	82.8%	88.0%	87.9%	87.1%	87.5%	85.7%	88.2%	88.6%	87.1%
<b>Total Filings</b>	<b>100.0%</b>														
Hawaii County															
<b>FIFTH CIRCUIT</b>															
Circuit Court Filings	6.2%	8.1%	5.9%	4.7%	7.0%	4.2%	3.3%	4.7%	4.6%	5.0%	4.7%	4.3%	3.3%	3.6%	3.0%
Family Court Filings	8.9%	8.8%	6.9%	7.3%	8.3%	6.7%	5.6%	8.2%	5.5%	6.0%	7.6%	5.9%	6.5%	7.1%	8.1%
District Court Filings	84.9%	83.1%	87.2%	88.0%	84.7%	89.1%	91.0%	87.1%	89.9%	89.0%	87.7%	89.8%	90.2%	89.3%	88.9%
<b>Total Filings</b>	<b>100.0%</b>														
Kauai County															

**Table 11**  
**Hawaii Judicial System**  
**Filings per 1,000 Population by Circuit and Court Type, 1973-1987**

<b>FILINGS PER 1,000 POPULATION</b>	<b>1972-73</b>	<b>1973-74</b>	<b>1974-75</b>	<b>1975-76</b>	<b>1976-77</b>	<b>1977-78</b>	<b>1978-79</b>	<b>1979-80</b>	<b>1980-81</b>	<b>1981-82</b>	<b>1982-83</b>	<b>1983-84</b>	<b>1984-85</b>	<b>1985-86</b>	<b>1986-87</b>
<b>ALL CIRCUITS</b>															
Circuit Court Filings	10.37	10.74	10.90	10.80	11.09	10.81	11.84	12.38	12.84	15.22	16.76	13.93	13.88	13.46	12.25
Family Court Filings	18.85	18.92	19.06	20.27	22.64	24.18	23.97	24.48	24.33	26.72	24.13	26.65	28.51	31.91	34.60
District Court Filings	645.36	668.74	640.81	666.93	725.78	769.95	841.08	796.79	859.86	940.93	947.63	886.48	882.76	903.91	811.04
<b>Total Filings</b>	<b>674.58</b>	<b>698.39</b>	<b>670.76</b>	<b>698.00</b>	<b>759.52</b>	<b>804.94</b>	<b>876.90</b>	<b>833.65</b>	<b>897.03</b>	<b>982.87</b>	<b>988.52</b>	<b>927.07</b>	<b>925.16</b>	<b>949.28</b>	<b>857.89</b>
State of Hawaii Population	851,600	868,000	886,000	904,200	918,300	931,600	953,300	968,900	980,600	997,800	1019,500	1037,200	1051,500	1069,700	1087,900
<b>FIRST CIRCUIT</b>															
Circuit Court Filings	9.63	9.85	9.72	9.87	9.38	9.35	10.38	10.47	10.94	13.25	15.31	11.94	11.76	11.27	10.07
Family Court Filings	18.13	18.22	18.32	19.49	21.38	22.20	22.68	22.74	21.87	23.63	21.41	24.62	26.51	29.26	31.85
District Court Filings	724.81	748.13	694.78	729.46	821.98	869.81	959.31	876.74	934.67	1054.23	1058.80	983.10	963.44	989.51	875.63
<b>Total Filings</b>	<b>752.57</b>	<b>776.20</b>	<b>722.82</b>	<b>758.82</b>	<b>852.74</b>	<b>901.36</b>	<b>992.38</b>	<b>909.95</b>	<b>967.48</b>	<b>1091.11</b>	<b>1095.51</b>	<b>1019.65</b>	<b>1001.71</b>	<b>1030.04</b>	<b>917.55</b>
Honolulu County Population	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,100	822,300	833,500
<b>SECOND CIRCUIT</b>															
Circuit Court Filings	16.31	15.20	15.18	13.80	20.22	15.95	17.85	22.43	22.15	24.32	21.94	19.69	22.46	21.38	19.12
Family Court Filings	24.53	19.61	20.02	21.87	23.29	27.87	24.49	22.97	27.73	32.58	31.83	29.19	29.57	32.85	37.72
District Court Filings	378.84	355.35	444.86	381.11	396.54	583.40	581.54	705.34	683.82	739.25	849.45	867.90	865.25	753.65	833.30
<b>Total Filings</b>	<b>419.68</b>	<b>390.17</b>	<b>480.05</b>	<b>416.78</b>	<b>440.05</b>	<b>627.22</b>	<b>623.87</b>	<b>750.74</b>	<b>733.70</b>	<b>796.16</b>	<b>903.21</b>	<b>916.78</b>	<b>917.28</b>	<b>807.88</b>	<b>890.15</b>
Maui County Population	53,400	53,800	56,800	60,300	63,000	66,200	69,700	71,600	74,100	77,000	80,000	83,500	85,500	88,060	90,620

(table continues)

**Table 11 (continued)**  
**Hawaii Judicial System**  
**Filings per 1,000 Population by Circuit and Court Type, 1973-1987**

<b>FILINGS PER 1,000 POPULATION</b>	<b>1972-73</b>	<b>1973-74</b>	<b>1974-75</b>	<b>1975-76</b>	<b>1976-77</b>	<b>1977-78</b>	<b>1978-79</b>	<b>1979-80</b>	<b>1980-81</b>	<b>1981-82</b>	<b>1982-83</b>	<b>1983-84</b>	<b>1984-85</b>	<b>1985-86</b>	<b>1986-87</b>
<b>THIRD CIRCUIT</b>															
Circuit Court Filings	13.33	14.22	17.42	16.88	17.10	18.38	19.34	19.34	18.42	21.48	24.18	21.69	21.79	20.48	20.86
Family Court Filings	23.57	26.41	26.33	27.37	34.75	38.66	34.96	39.41	42.23	47.17	38.27	39.44	40.57	46.69	48.44
District Court Filings	322.00	364.99	317.51	514.76	345.21	258.68	260.48	431.54	442.01	465.15	438.67	367.14	465.38	524.15	468.06
<b>Total Filings</b>	<b>358.90</b>	<b>405.61</b>	<b>361.25</b>	<b>559.01</b>	<b>397.05</b>	<b>315.73</b>	<b>314.78</b>	<b>490.29</b>	<b>502.66</b>	<b>533.79</b>	<b>501.13</b>	<b>428.26</b>	<b>527.75</b>	<b>591.32</b>	<b>537.37</b>
Hawaii County Population	73,900	74,000	77,400	80,700	82,800	85,900	89,400	93,000	97,000	100,200	103,000	107,200	109,200	112,380	115,560
<b>FIFTH CIRCUIT</b>															
Circuit Court Filings	9.82	14.82	13.83	11.03	16.56	13.53	12.26	14.77	18.47	20.10	16.13	20.50	16.88	18.14	16.37
Family Court Filings	14.16	16.01	16.29	17.28	19.55	21.36	20.63	25.86	21.97	24.34	26.13	27.76	33.62	36.38	43.35
District Court Filings	134.50	151.99	205.54	207.79	200.54	285.84	334.51	275.20	358.15	358.83	299.86	425.27	466.36	455.85	477.29
<b>Total Filings</b>	<b>158.48</b>	<b>182.82</b>	<b>235.66</b>	<b>236.10</b>	<b>236.65</b>	<b>320.73</b>	<b>367.40</b>	<b>315.84</b>	<b>398.60</b>	<b>403.27</b>	<b>342.11</b>	<b>473.53</b>	<b>516.85</b>	<b>510.37</b>	<b>537.01</b>
Kauai County Population	32,900	32,600	33,400	34,900	35,500	36,800	38,100	39,400	40,600	41,900	43,100	44,200	45,400	46,680	47,960

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**Historical State Judgeship Data**

**STATE FILING AND JUDGESHIP FORECASTS****Historical State Judgeship Data**

Table 12 presents a summary of state judgeships for each court type, and delineates the judgeships as statutory, assigned, or per diem. From this table, the number of full-time equivalency (FTE) judgeships can be derived. The state has increased in statutory judgeships from 34 to 54 over the fourteen-year period, but including per diem judges, the number of FTE judgeships has increased from 34.5 to 68.6.

Table 13 illustrates the growth in statutory judgeships for each circuit, excluding any per diem judges. As a whole, the state has grown from 34 judgeships in 1972-73 to 54 judgeships in 1986-87.

Table 14 lists the number of days served by per diem judges in each circuit, then translates the days served into full-time judgeships. A full-time judgeship is considered to be 215 days, which excludes all weekends, holidays, vacation time, sick leave, and training seminars. The number of days served by per diem judges has grown from 125 days in 1972-73 to over 3,145 days in 1986-87. This translates to a growth of roughly one-half full-time judge in 1972-73 to over 14.6 full-time judges in 1986-87.

Table 15 is a summary of the use of per diem judges from FY 1971-72 through FY 1987-88.

**Table 12**  
**Hawaii Judicial System**  
**Circuit, District, and Family Court Judgeships by Statutory, Per Diem, and Full-time Equivalencies (FTE), 1973-1987**

TOTAL JUDGESHIPS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
<b>FIRST CIRCUIT</b>															
- Circuit Court: Statutory	10	10	11	11	11	11	11	13	13	13	14	16	16	16	16
- Circuit Court: Assigned (1)	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4
Total FTE Judges:	10	10	11	11	11	11	11	13	13	13	18	20	20	20	20
- District Court: Statutory	8	9	11	11	12	12	12	12	12	12	8	9	10	10	10
- District Court: Per Diem	0.58	0.88	0.50	0.20	0.14	0.60	2.08	5.36	3.69	4.79	5.09	7.98	7.99	10.37	9.54
Total FTE Judges:	8.58	9.88	11.50	11.20	12.14	12.60	14.08	17.36	15.69	16.79	13.09	16.98	17.99	20.37	19.54
- Family Court: Statutory	7	7	7	7	7	7	7	7	7	9	9	9	9	9	9
- Family Court: Per Diem	0.00	0.00	0.00	0.00	0.25	0.30	0.20	1.00	0.03	0.44	2.02	4.30	4.20	4.70	2.90
Total FTE Judges:	7.00	7.00	7.00	7.00	7.25	7.30	7.20	8.00	7.83	9.44	11.02	13.30	13.20	13.70	11.90
Total Statutory Judges:	25	26	29	29	30	30	30	32	32	34	35	38	39	39	39
Total Per Diem Judges:	0.58	0.88	0.50	0.20	0.39	0.90	2.28	6.36	4.52	5.23	7.11	12.28	12.19	15.07	12.44
Total FTE Judges:	25.58	26.88	29.50	29.20	30.39	30.90	32.28	38.36	36.52	39.23	42.11	50.28	51.19	54.07	51.44
<b>SECOND CIRCUIT</b>															
- Circuit Court: Statutory	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3
- Circuit Court: Assigned	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total FTE Judges:	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3
- District Court: Statutory	1.30	1.35	1.40	1.38	1.41	1.39	1.39	1.39	1.39	1.39	1.39	2.00	2.00	2.00	2.00
- District Court: Per Diem	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.03	0.13	0.16	0.27	0.66	0.53	0.53	0.73
Total FTE Judges:	1.30	1.35	1.40	1.38	1.41	1.39	1.57	1.42	1.52	1.55	1.66	2.66	2.53	2.53	2.73
- Family Court: Statutory	0.70	0.65	0.60	0.62	0.59	0.61	0.61	0.61	0.61	0.61	0.61	1.00	1.00	1.00	1.00
- Family Court: Per Diem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.09	0.11	0.06	0.06	0.15
Total FTE Judges:	0.70	0.65	0.60	0.62	0.59	0.61	0.61	0.61	0.63	0.65	0.70	1.11	1.06	1.06	1.15
Total Statutory Judges:	3	3	3	3	4	4	4	4	4	4	4	6	6	6	6
Total Per Diem Judges:	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.03	0.15	0.20	0.36	0.77	0.59	0.59	0.88
Total FTE Judges:	3.00	3.00	3.00	3.00	4.00	4.00	4.18	4.03	4.15	4.20	4.36	6.77	6.59	6.59	6.88

Notes:

(1) From 1983-1987, 3 District Court Judges were assigned Circuit Court cases, plus 1 District Judge that covered for vacations, sick leave, and training periods. District Court Judges from 1983-1987 are shown minus those assigned to Circuit Court. In 1988, an additional Family Court judge was assigned to Circuit Court cases.

**Table 12 (continued)**  
**Hawaii Judicial System**  
**Circuit, District, and Family Court Judgeships by Statutory, Per Diems, and Full-time Equivalencies (FTE), 1973-1987**

TOTAL JUDGESHIPS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
<b>THIRD CIRCUIT</b>															
- Circuit Court: Statutory (2)	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.85	1.85	1.85	1.85	2.80	2.80	2.80	2.75
- Circuit Court: Assigned	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total FTE Judges:	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.85	1.85	1.85	1.85	2.80	2.80	2.80	2.75
- District Court: Statutory	1.50	1.50	1.55	1.50	1.45	1.40	2.40	2.25	2.15	2.15	2.05	2.05	2.05	2.00	2.00
- District Court: Per Diem (3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.25	0.36	0.52	0.37	0.28	0.58	1.14
Total FTE Judges:	1.50	1.50	1.55	1.50	1.45	1.40	2.40	2.88	2.40	2.51	2.57	2.42	2.33	2.58	3.14
- Family Court: Statutory (2)	0.60	0.60	0.55	0.60	0.65	0.70	0.70	0.90	1.00	1.00	1.10	1.15	1.15	1.20	1.25
- Family Court: Per Diem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total FTE Judges:	0.60	0.60	0.55	0.60	0.65	0.70	0.70	0.90	1.00	1.00	1.10	1.15	1.15	1.20	1.25
<b>Total Statutory Judges:</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>
<b>Total Per Diem Judges:</b>	<b>0.00</b>	<b>0.63</b>	<b>0.25</b>	<b>0.36</b>	<b>0.52</b>	<b>0.37</b>	<b>0.28</b>	<b>0.58</b>	<b>1.14</b>						
<b>Total FTE Judges:</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>5.00</b>	<b>5.63</b>	<b>5.25</b>	<b>5.36</b>	<b>5.52</b>	<b>6.37</b>	<b>6.28</b>	<b>6.58</b>	<b>7.14</b>
<b>FIFTH CIRCUIT</b>															
- Circuit Court: Statutory	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
- Circuit Court: Assigned	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total FTE Judges:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
- District Court: Statutory	0.71	0.71	0.72	0.71	0.69	0.67	0.65	0.65	0.65	0.65	0.65	1.40	1.40	1.40	1.40
- District Court: Per Diem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.08	0.08	0.02	0.08	0.06	0.08	0.07
Total FTE Judges:	0.71	0.71	0.72	0.71	0.69	0.67	0.65	1.31	0.73	0.73	0.67	1.48	1.46	1.48	1.47
- Family Court: Statutory	0.29	0.29	0.28	0.29	0.31	0.33	0.35	0.35	0.35	0.35	0.35	0.60	0.60	0.60	0.60
- Family Court: Per Diem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.10	0.05	0.09	0.02	0.01	0.02	0.10
Total FTE Judges:	0.29	0.29	0.28	0.29	0.31	0.33	0.35	0.55	0.45	0.40	0.44	0.62	0.61	0.62	0.70
<b>Total Statutory Judges:</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>										
<b>Total Per Diem Judges:</b>	<b>0.00</b>	<b>0.86</b>	<b>0.18</b>	<b>0.13</b>	<b>0.11</b>	<b>0.10</b>	<b>0.07</b>	<b>0.10</b>	<b>0.17</b>						
<b>Total FTE Judges:</b>	<b>2.00</b>	<b>2.86</b>	<b>2.18</b>	<b>2.13</b>	<b>2.11</b>	<b>3.10</b>	<b>3.07</b>	<b>3.10</b>	<b>3.17</b>						

**Notes:**

(2) In the Third Circuit, Circuit and District Court judges heard a substantial, quantifiable portion of Family Court cases.

(3) An earlier published report showed slightly different numbers of per diem, but the difference averages less than 5-tenths of a judge, and statistically insignificant.

**Table 12 (continued)**  
**Hawaii Judicial System**  
**Circuit, District, and Family Court Judgeships by Statutory, Per Diem, and Full-time Equivalencies (FTE), 1973-1987**

TOTAL JUDGESHIPS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
<b>ALL CIRCUITS</b>															
- Circuit Court: Statutory	13.90	13.90	14.90	14.90	15.90	15.90	15.90	17.85	17.85	17.85	18.85	22.80	22.80	22.80	22.75
- Circuit Court: Assigned	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	4.00	4.00	4.00	4.00
Total FTE Judges:	13.90	13.90	14.90	14.90	15.90	15.90	15.90	17.85	17.85	17.85	22.85	26.80	26.80	26.80	26.75
- District Court: Statutory	11.51	12.56	14.67	14.59	15.55	15.46	16.44	16.29	16.19	16.19	12.09	14.45	15.45	15.40	15.40
- District Court: Per Diem	0.58	0.88	0.50	0.20	0.14	0.60	2.26	6.68	4.15	5.39	5.90	9.09	8.86	11.56	11.48
Total FTE Judges:	12.09	13.44	15.17	14.79	15.69	16.06	18.70	22.97	20.34	21.58	17.99	23.54	24.31	26.96	26.88
- Family Court: Statutory	8.59	8.54	8.43	8.51	8.55	8.64	8.66	8.86	8.96	10.96	11.06	11.75	11.75	11.80	11.85
- Family Court: Per Diem	0.00	0.00	0.00	0.00	0.25	0.30	0.20	1.20	0.95	0.53	2.20	4.43	4.27	4.78	3.15
Total FTE Judges:	8.59	8.54	8.43	8.51	8.80	8.94	8.86	10.06	9.91	11.49	13.26	16.18	16.02	16.58	15.00
<b>Total Statutory Judges:</b>	<b>34</b>	<b>35</b>	<b>38</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>41</b>	<b>43</b>	<b>43</b>	<b>45</b>	<b>46</b>	<b>53</b>	<b>54</b>	<b>54</b>	<b>54</b>
<b>Total Per Diem Judges:</b>	<b>0.58</b>	<b>0.88</b>	<b>0.50</b>	<b>0.20</b>	<b>0.39</b>	<b>0.90</b>	<b>2.46</b>	<b>7.88</b>	<b>5.10</b>	<b>5.92</b>	<b>8.10</b>	<b>13.52</b>	<b>13.13</b>	<b>16.34</b>	<b>14.63</b>
<b>Total FTE Judges:</b>	<b>34.58</b>	<b>35.88</b>	<b>38.50</b>	<b>38.20</b>	<b>40.39</b>	<b>40.90</b>	<b>43.46</b>	<b>50.88</b>	<b>48.10</b>	<b>50.92</b>	<b>54.10</b>	<b>66.52</b>	<b>67.13</b>	<b>70.34</b>	<b>68.63</b>

Notes:

(1) The reason for the appearance of fractions of statutorily assigned judges is due to the sharing of judges among jurisdictional tiers and the use of per diem judges whose judicial time totals only a portion of a whole number judge.

**Table 13**  
**Hawaii Judicial System**  
**Statutory Circuit, District, and Family Court Judgeships, EXCLUDING Per Diem Judges, 1973-1987**

STATUTORY JUDGESHIPS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
<b>FIRST CIRCUIT</b>															
Circuit Court	10	10	11	11	11	11	11	13	13	13	14	16	16	16	16
District Court	8	9	11	11	12	12	12	12	12	12	12	13	14	14	14
Family Court	7	7	7	7	7	7	7	7	7	9	9	9	9	9	9
<b>Total Statutory Judges:</b>	<b>25</b>	<b>26</b>	<b>29</b>	<b>29</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>32</b>	<b>32</b>	<b>34</b>	<b>35</b>	<b>38</b>	<b>39</b>	<b>39</b>	<b>39</b>
<b>SECOND CIRCUIT</b>															
Circuit Court	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3
District Court	1.30	1.35	1.40	1.38	1.41	1.39	1.39	1.39	1.39	1.39	1.39	2.00	2.00	2.00	2.00
Family Court	0.70	0.65	0.60	0.62	0.59	0.61	0.61	0.61	0.61	0.61	0.61	1.00	1.00	1.00	1.00
<b>Total Statutory Judges:</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>						
<b>THIRD CIRCUIT</b>															
Circuit Court	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3
District Court	1.50	1.50	1.55	1.50	1.45	1.40	2.40	2.25	2.15	2.15	2.05	2.05	2.05	2.00	2.00
Family Court	0.50	0.50	0.45	0.50	0.55	0.60	0.60	0.75	0.85	0.85	0.95	0.95	0.95	1.00	1.00
<b>Total Statutory Judges:</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
<b>FIFTH CIRCUIT</b>															
Circuit Court	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
District Court	0.71	0.71	0.72	0.71	0.69	0.67	0.65	0.65	0.65	0.65	0.65	1.40	1.40	1.40	1.40
Family Court	0.29	0.29	0.28	0.29	0.31	0.33	0.35	0.35	0.35	0.35	0.35	0.60	0.60	0.60	0.60
<b>Total Statutory Judges:</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>										
<b>ALL CIRCUITS</b>															
Circuit Court	14	14	15	15	16	16	16	18	18	18	19	23	23	23	23
District Court	11.51	12.56	14.67	14.59	15.55	15.46	16.44	16.29	16.19	16.19	16.09	18.45	19.45	19.40	19.40
Family Court	8.49	8.44	8.33	8.41	8.45	8.54	8.56	8.71	8.81	10.81	10.91	11.55	11.55	11.60	11.60
<b>Total Statutory Judges:</b>	<b>34</b>	<b>35</b>	<b>38</b>	<b>38</b>	<b>40</b>	<b>40</b>	<b>41</b>	<b>43</b>	<b>43</b>	<b>45</b>	<b>46</b>	<b>53</b>	<b>54</b>	<b>54</b>	<b>54</b>

NOTE: This table illustrates the number of full-time judges in each circuit, excluding any per diem judges.

**Table 14**  
**State of Hawaii Judicial System**  
**Use of Per Diem Judges, 1973-1987**

PER DIEM DAYS PER CIRCUIT	Number of Days Served														
	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
First Circuit	125.00	190.00	108.00	42.50	83.00	193.00	490.69	1368.00	971.96	1125.16	1528.42	2639.50	2620.50	3239.45	2673.71
Second Circuit							38.00	5.50	31.33	44.04	76.95	165.75	126.50	126.50	190.00
Third Circuit								135.00	52.68	77.25	111.48	79.00	61.00	124.00	245.50
Fifth Circuit								185.05	38.10	27.91	24.00	21.00	16.00	21.50	36.13
<b>TOTAL</b>	<b>125.00</b>	<b>190.00</b>	<b>108.00</b>	<b>42.50</b>	<b>83.00</b>	<b>193.00</b>	<b>528.69</b>	<b>1693.55</b>	<b>1094.07</b>	<b>1274.36</b>	<b>1740.85</b>	<b>2905.25</b>	<b>2824.00</b>	<b>3511.45</b>	<b>3145.34</b>

Source: The Judiciary - Office of the Administrative Director, May 1988.

PER DIEM JUDGES	Days Served Translated into Number of Full-time Equivalency (FTE) Judges														
	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
First Circuit	0.58	0.88	0.50	0.20	0.39	0.90	2.28	6.36	4.52	5.23	7.11	12.28	12.19	15.07	12.44
Second Circuit							0.18	0.03	0.15	0.20	0.36	0.77	0.59	0.59	0.88
Third Circuit								0.63	0.25	0.36	0.52	0.37	0.28	0.58	1.14
Fifth Circuit								0.86	0.18	0.13	0.11	0.10	0.07	0.10	0.17
<b>TOTAL</b>	<b>0.58</b>	<b>0.88</b>	<b>0.50</b>	<b>0.20</b>	<b>0.39</b>	<b>0.90</b>	<b>2.46</b>	<b>7.88</b>	<b>5.09</b>	<b>5.93</b>	<b>8.10</b>	<b>13.51</b>	<b>13.13</b>	<b>16.33</b>	<b>14.63</b>

Note: The number of full-time judgeships was calculated by dividing days served by 215 days, which equals approximately one full judicial year, excluding weekends, holidays, vacation time, sick leave, and training seminars.

**Table 15**  
**State of Hawaii Judicial System**  
**District and District Family Court Per Diem Judges, 1972-1988**

Fiscal Year	Number of Judges	Rate	Amount Paid	Number of Days Served	Average Salary Per Judge	Average Days Per Judge
1971-72	9	\$93.93	\$22,026.03	234.50	\$2,447.34	26.1
1972-73	8	\$96.03	\$12,003.75	125.00	\$1,500.47	15.6
1973-74	8	\$96.03	\$18,245.70	190.00	\$2,280.71	23.8
1974-75	8	\$96.03	\$10,371.23	108.00	\$1,296.40	13.5
1975-76	8	\$146.03	\$6,208.22	42.50	\$776.03	5.3
1976-77	8	\$153.84	\$12,768.72	83.00	\$1,596.09	10.4
1977-78	7	\$153.84	\$29,691.12	193.00	\$4,241.59	27.6
1978-79	12	\$153.84	\$81,333.47	528.59	\$6,777.79	44.1
1979-80	27	\$153.84	\$260,493.27	1,693.55	\$9,647.90	62.7
1980-81	29	\$153.84	\$163,313.42	1,094.07	\$5,803.91	37.7
1981-82	30	\$174.60	\$222,499.40	1,274.36	\$7,416.65	42.5
1982-83	41	\$188.57	\$328,272.19	1,740.85	\$8,006.64	42.5
1983-84	42	\$188.57	\$547,844.08	2,905.25	\$13,043.91	69.2
1984-85	44	\$188.57	\$532,522.78	2,824.00	\$12,102.79	64.2
1985-86	43	\$188.57	\$732,033.25	3,511.45	\$15,913.77	76.3
1986-87	42	\$236.11	\$742,638.59	3,145.34	\$17,681.87	74.9
1987-88	39	\$236.11	\$407,692.43	1,726.72	\$10,453.65	44.3

Notes:

(1) Data for 1987-88 includes only June 1, 1987 through December 31, 1987.

Source: The Judiciary - Office of the Administrative Director, May 1988.

**Presentation of  
Population, Filing and Judgeship Forecasts**

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**STATE FILING AND JUDGESHIP FORECASTS**

**Presentation of Population, Filing, and Judgeship Forecasts**

The following sections present the judicial system forecasts for the State of Hawaii. Immediately following the summary tables in Section 1, Section 2 presents a review of State and County Population. The tables and graphs depicted in this section illustrate the historical and projected growth patterns for each circuit within the state.

Sections 3, 4, and 5 present the historical analysis and filing forecasts for each circuit, in addition to the judgeship analysis and forecasts. Section 3 focuses upon the Circuit Court; section 4, the Family Court; and section 5, the District Court.

Within each section, the tables are presented in the following order: Statewide (All Circuits), First Circuit, Second Circuit, Third Circuit, and Fifth Circuit. Each filing forecast consists of a series of three tables and a figure. The first table is a historical analysis and summary of filings, terminations, and judgeships for fiscal years 1973 through 1987. The second table presents the proportionality of filings by case type for each year in the period, revealing which areas are growing in terms of percentage, and which are declining. The third table in the series depicts the filing projection models and forecasts. These will be discussed in detail in the sections that follow. Finally, a figure is presented that graphically illustrates the historical filings in relation to the projected filings for each circuit and court type.

Following the filing forecasts are the judgeship forecasts, again listed in the order of circuits described above. Each circuit is illustrated with two tables. The first table shows the relevant terminations and disposition rates, as well as a comparison of statutory judgeships versus the current full-time equivalency judgeships. The second table presents the projection models and forecasts for each type of judgeship.

**STATE FILING AND JUDGESHIP FORECASTS**

Finally, Section 6 is an indepth analysis of the First Circuit District Court. Due to the large volume of traffic filings in the First Circuit, it was necessary to disaggregate the filings by case type to determine the number of criminal, civil, and other violation filings. In addition, the First Circuit was examining a potential re-districting scheme of the seven existing judicial districts in an effort to better serve the people of the island, while increasing the efficiency of the system. It was therefore necessary to forecast the projected filings and judgeships for the individual districts in order to determine the areas of growth and need.

STATE OF HAWAII POPULATION

2

1

**State of Hawaii Population Growth**

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**STATE OF HAWAII POPULATION****STATE OF HAWAII POPULATION GROWTH**

Total population is believed to be one of the best gross level predictors of justice system growth. Population growth exerts an increased demand for all types of governmental services, and nowhere is this demand felt more strongly than in the judicial system.

Historical population estimates and future projections were obtained from the State of Hawaii Department of Business and Economic Development (DBED). These estimates, which were recently revised and updated in July 1987, appear in Tables 1 through 5.

**State of Hawaii**

As seen in Table 1, the state resident population has increased from 851,600 in 1973 (the beginning of the forecast period) to 1,087,900 in 1987, an increase of 27.7 percent for the period and an average annual increase of 1.8 percent. This translates into an actual number increase of 236,300 residents, or an average of 17,307 persons per year.

The population is expected to increase over the next 18 years, but at a slightly slower pace. Projections show the state growing to 1,359,500 residents, an increase of 25 percent or 1.3 percent per year. On an actual number basis, this translates to an increase of 271,600 residents, or 15,400 persons per year.

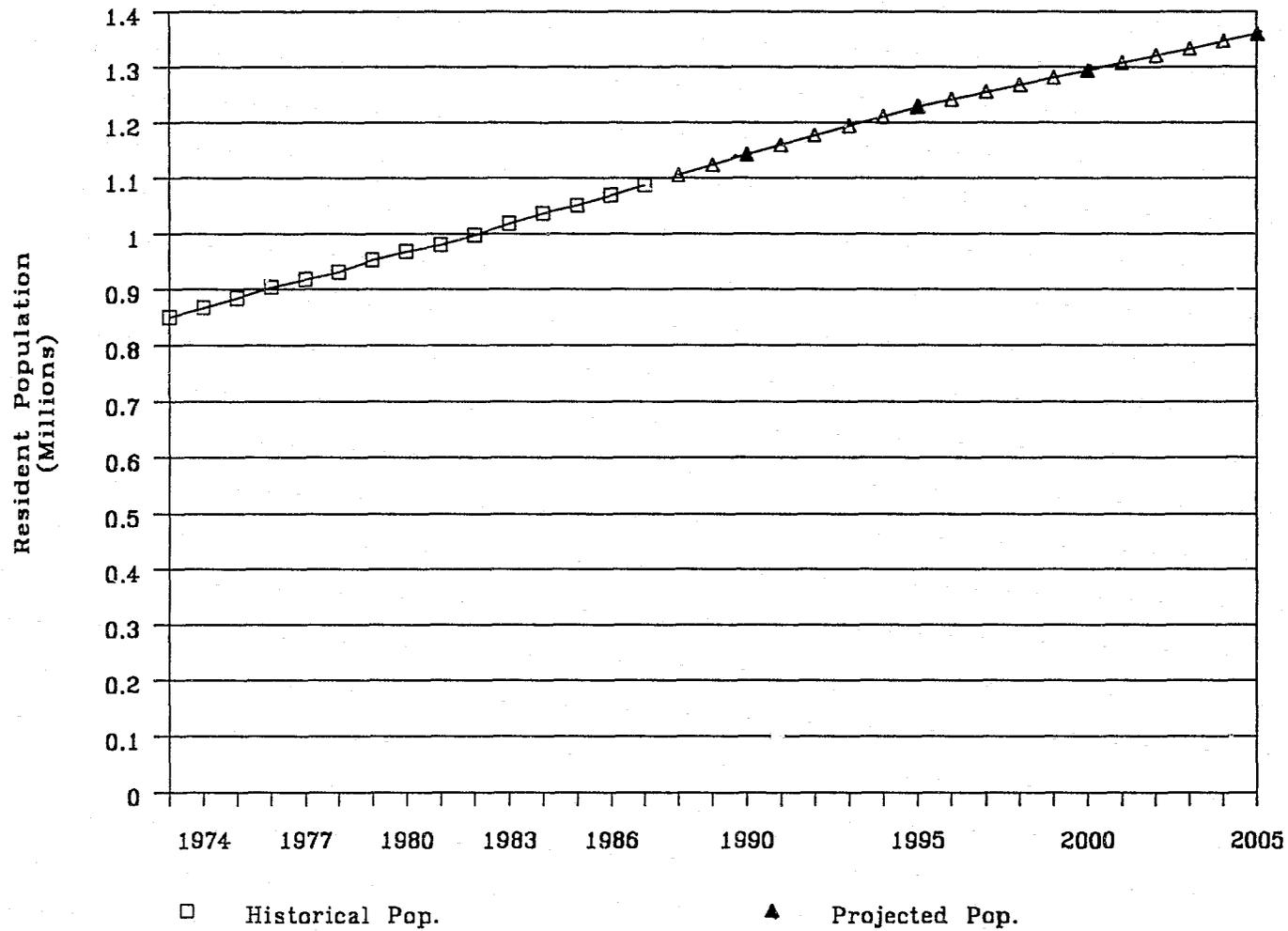
From these projections, it appears that the demands on state judicial services will continue to climb, and will, to some extent, reflect past development.



**Table 1**  
**Population Analysis and Forecasts, 1970-2005**  
**State of Hawaii**

Year	State of Hawaii Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>			
1970	771,600	--	--
1971	801,600	30,000	3.9%
1972	828,300	26,700	3.3%
1973	851,600	23,300	2.8%
1974	868,000	16,400	1.9%
1975	886,000	18,000	2.1%
1976	904,200	18,200	2.1%
1977	918,300	14,100	1.6%
1978	931,600	13,300	1.4%
1979	953,300	21,700	2.3%
1980	968,900	15,600	1.6%
1981	980,600	11,700	1.2%
1982	997,800	17,200	1.8%
1983	1,019,500	21,700	2.2%
1984	1,037,200	17,700	1.7%
1985	1,051,500	14,300	1.4%
1986	1,069,700	18,200	1.7%
1987	1,087,900	18,200	1.7%
<b>Average 1973-1987 =</b>		<b>17,307</b>	<b>1.8%</b>
<b>Projected Population ==&gt;</b>			
1990	1,142,500	18,200	1.7%
1995	1,228,900	17,280	1.5%
2000	1,294,200	13,060	1.1%
2005	1,359,500	13,060	1.0%
<b>Average 1990-2005 =</b>		<b>15,400</b>	<b>1.3%</b>
Source: Department of Business and Economic Development, State of Hawaii, July 1987. Based on Resident Population.			

**FIGURE 1: HAWAII STATE POPULATION**  
HISTORICAL AND PROJECTED, 1973-2005



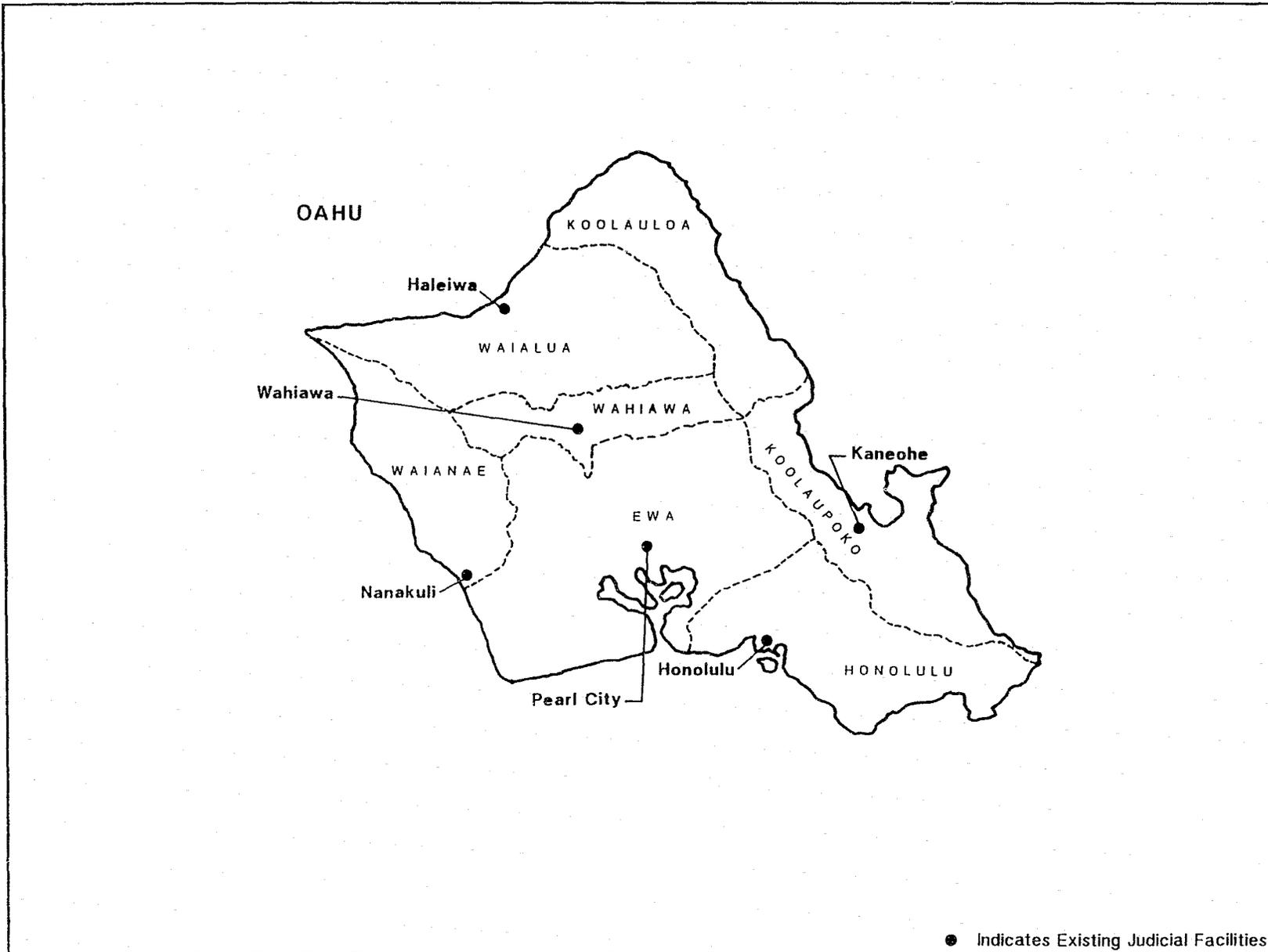
**STATE OF HAWAII POPULATION**

**Honolulu City and County: First Circuit**

Table 2 presents a similar picture for Honolulu City and County. Resident population has increased nearly 21 percent from 1973 to 1987, or 1.4 percent per year. This represents 142,100 residents for the period, or 10,587 persons per year.

The population on Oahu is projected to increase by 17 percent over the next 18 years, approximately 1 percent per year. This translates to 141,600 new residents, almost identical to the growth of the previous period, although the growth per year will slow to 8,200 residents per annum.

FIRST JUDICIAL CIRCUIT

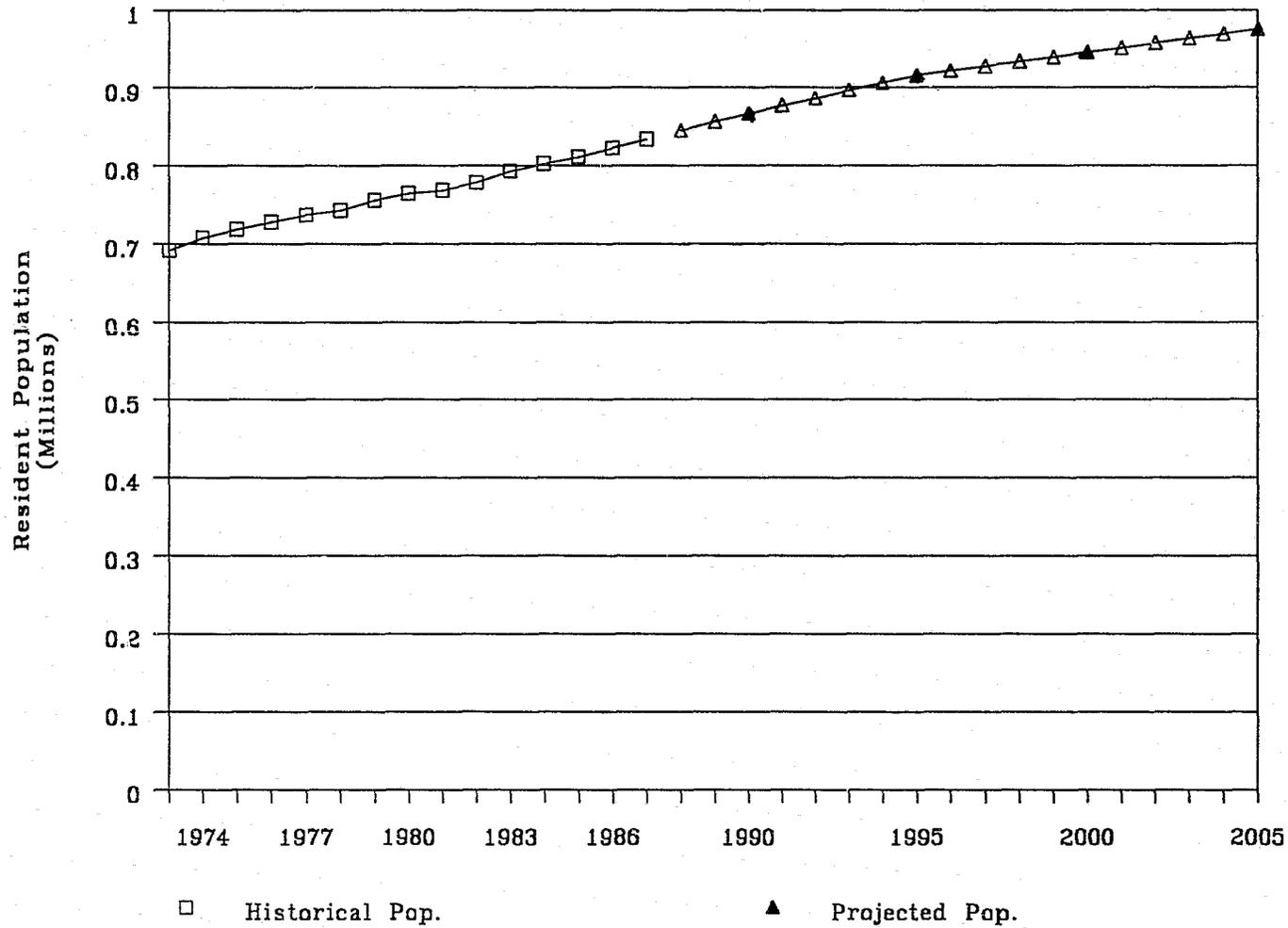


**Table 2**  
**First Circuit -- Population Analysis and Forecasts, 1970-2005**  
**State of Hawaii and Honolulu County**

Year	State of Hawaii Population	Number Per Year	Percent Per Year	Honolulu County Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>						
1970	771,600	--	--	631,600	--	--
1971	801,600	30,000	3.9%	654,600	23,000	3.6%
1972	828,300	26,700	3.3%	674,700	20,100	3.1%
1973	851,600	23,300	2.8%	691,400	16,700	2.5%
1974	868,000	16,400	1.9%	707,600	16,200	2.3%
1975	886,000	18,000	2.1%	718,600	11,000	1.6%
1976	904,200	18,200	2.1%	728,300	9,700	1.3%
1977	918,300	14,100	1.6%	737,000	8,700	1.2%
1978	931,600	13,300	1.4%	742,600	5,600	0.8%
1979	953,300	21,700	2.3%	756,000	13,400	1.8%
1980	968,900	15,600	1.6%	764,800	8,800	1.2%
1981	980,600	11,700	1.2%	768,800	4,000	0.5%
1982	997,800	17,200	1.8%	778,700	9,900	1.3%
1983	1,019,500	21,700	2.2%	793,400	14,700	1.9%
1984	1,037,200	17,700	1.7%	802,400	9,000	1.1%
1985	1,051,500	14,300	1.4%	811,100	8,700	1.1%
1986	1,069,700	18,200	1.7%	822,300	11,200	1.4%
1987	1,087,900	18,200	1.7%	833,500	11,200	1.4%
<b>Average 1973-1987 =</b>		<b>17,307</b>	<b>1.8%</b>		<b>10,587</b>	<b>1.4%</b>
<b>Projected Population ==&gt;</b>						
1990	1,142,500	18,200	1.7%	867,100	11,200	1.3%
1995	1,228,900	17,280	1.5%	915,900	9,760	1.1%
2000	1,294,200	13,060	1.1%	945,400	5,900	0.6%
2005	1,359,500	13,060	1.0%	975,100	5,940	0.6%
<b>Average 1990-2005 =</b>		<b>15,400</b>	<b>1.3%</b>		<b>8,200</b>	<b>0.9%</b>
Source: Department of Business and Economic Development, State of Hawaii, July 1987. Based on Resident Population.						

# FIGURE 2: HONOLULU COUNTY POPULATION

HISTORICAL AND PROJECTED, 1973-2005



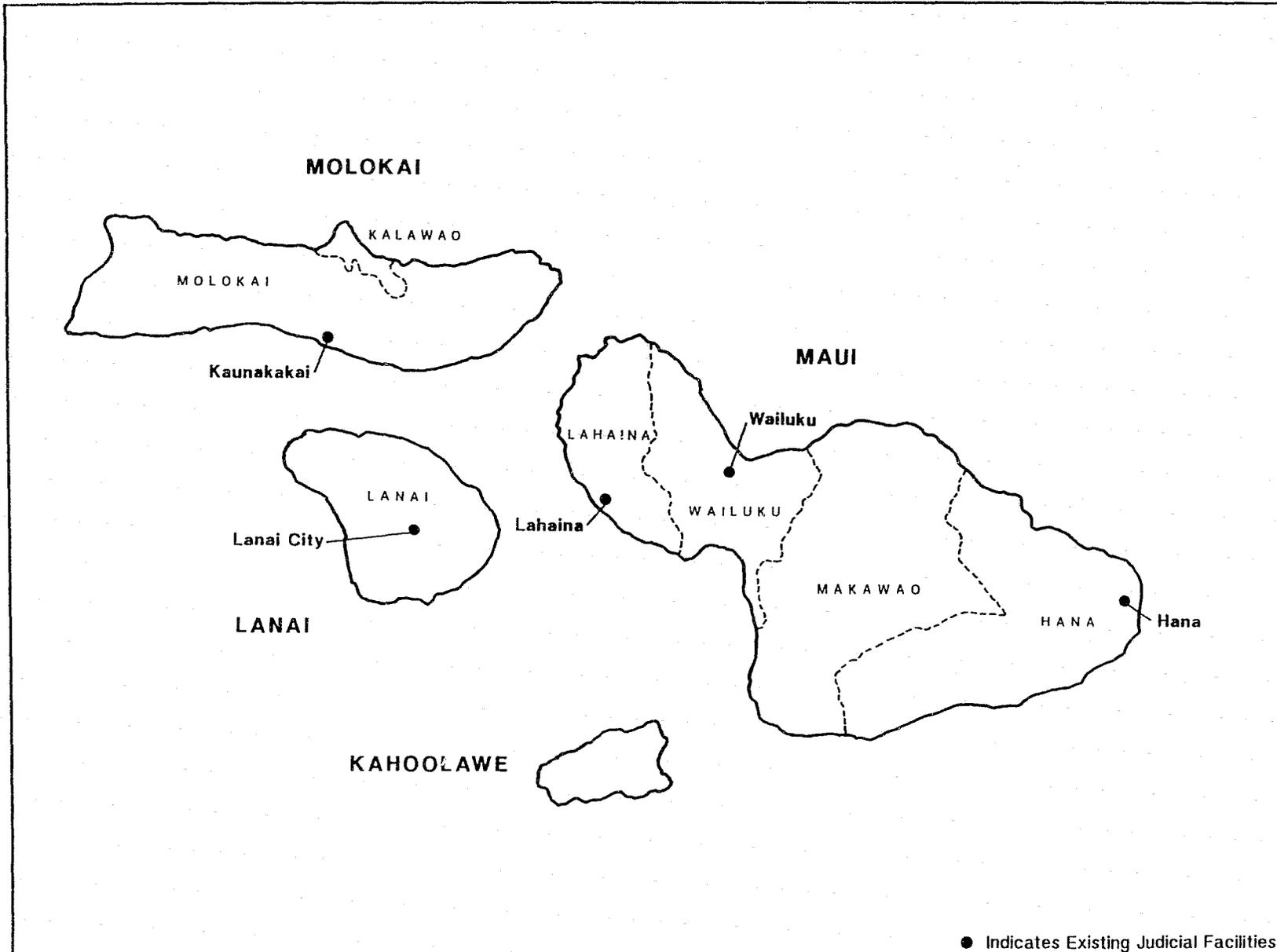
**STATE OF HAWAII POPULATION**

**Maui County: Second Circuit**

Maui County represents the population for the islands of Maui, Molokai, Lanai, Kahoolawe, and Molokini. Table 3 reveals that Maui County has increased at a faster percentage rate than any of the other counties, growing almost 70 percent, or 3.8 percent per year. In actual number terms, this represents 37,220 new inhabitants, or an average of 2,608 persons per year.

Projections for the county show continued growth, but at a reduced pace. The county is projected to grow to 136,900 residents, a period increase of 51 percent and 46,280 residents, or 2.5 percent average annual increase and 2,570 residents per year.

SECOND JUDICIAL CIRCUIT



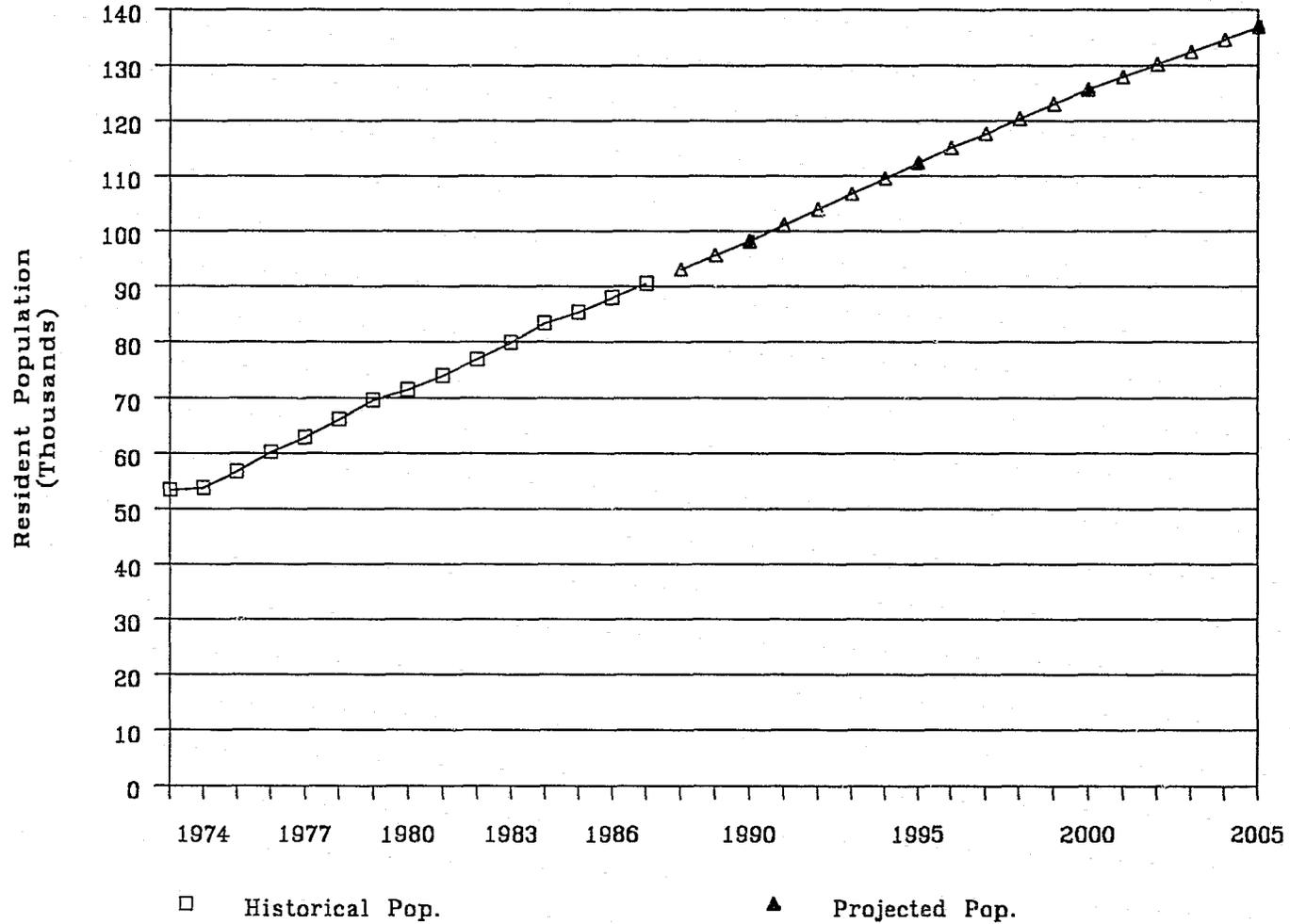
**Table 3**  
**Second Circuit -- Population Analysis and Forecasts, 1970-2005**  
**State of Hawaii and Maui County**

Year	State of Hawaii Population	Number Per Year	Percent Per Year	Maui County Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>						
1970	771,600	-	-	46,500	-	-
1971	801,600	30,000	3.9%	49,100	2,600	5.6%
1972	828,300	26,700	3.3%	51,500	2,400	4.9%
1973	851,600	23,300	2.8%	53,400	1,900	3.7%
1974	868,000	16,400	1.9%	53,800	400	0.7%
1975	886,000	18,000	2.1%	56,800	3,000	5.6%
1976	904,200	18,200	2.1%	60,300	3,500	6.2%
1977	918,300	14,100	1.6%	63,000	2,700	4.5%
1978	931,600	13,300	1.4%	66,200	3,200	5.1%
1979	953,300	21,700	2.3%	69,700	3,500	5.3%
1980	968,900	15,600	1.6%	71,600	1,900	2.7%
1981	980,600	11,700	1.2%	74,100	2,500	3.5%
1982	997,800	17,200	1.8%	77,000	2,900	3.9%
1983	1,019,500	21,700	2.2%	80,000	3,000	3.9%
1984	1,037,200	17,700	1.7%	83,500	3,500	4.4%
1985	1,051,500	14,300	1.4%	85,500	2,000	2.4%
1986	1,069,700	18,200	1.7%	88,060	2,560	3.0%
1987	1,087,900	18,200	1.7%	90,620	2,560	2.9%
<b>Average 1973-1987 =</b>		<b>17,307</b>	<b>1.8%</b>		<b>2,608</b>	<b>3.8%</b>
<b>Projected Population ==&gt;</b>						
1990	1,142,500	18,200	1.7%	98,300	2,560	2.8%
1995	1,228,900	17,280	1.5%	112,500	2,840	2.9%
2000	1,294,200	13,060	1.1%	125,700	2,640	2.3%
2005	1,359,500	13,060	1.0%	136,900	2,240	1.8%
<b>Average 1990-2005 =</b>		<b>15,400</b>	<b>1.3%</b>		<b>2,570</b>	<b>2.5%</b>

Source: Department of Business and Economic Development, State of Hawaii, July 1987.  
Based on Resident Population.

# FIGURE 3: MAUI COUNTY POPULATION

HISTORICAL AND PROJECTED, 1973-2005



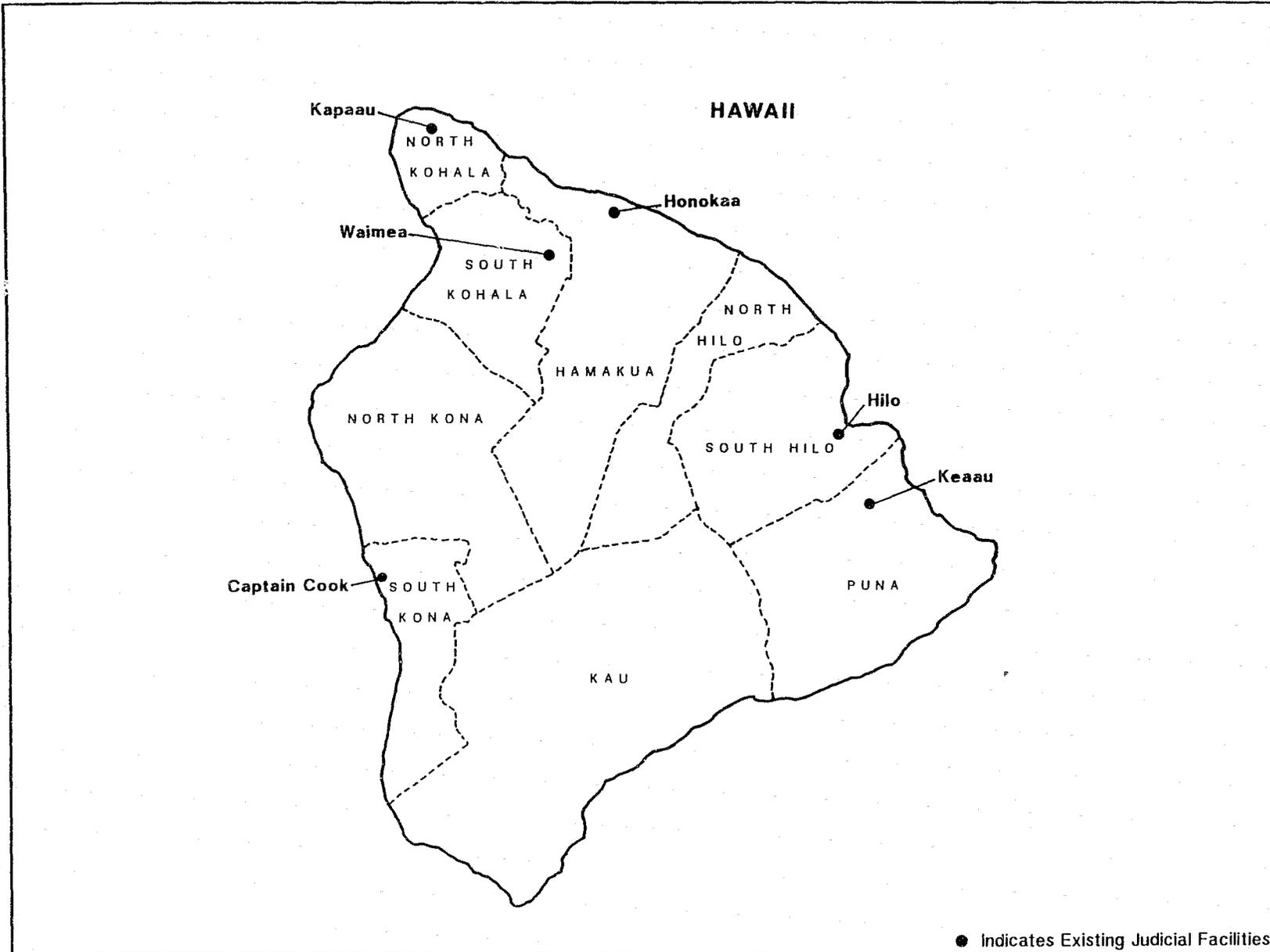
**STATE OF HAWAII POPULATION**

**Hawaii County: Third Circuit**

As shown in Table 4, the population for Hawaii County increased by a substantial 56.3 percent from 1973 to 1987, or 3.4 percent per year. This represents 41,660 new residents, for an average annual increase of over 3,000 persons per year.

DBED projections show the county growing to almost 171,000 residents, an increase of nearly 48 percent from 1987, or 2.3 percent per year. At that rate, Hawaii County could expect 55,240 new residents over the next 18 years, or an average annual increase of slightly over 3,000 persons, which would duplicate its previous growth.

THIRD JUDICIAL CIRCUIT

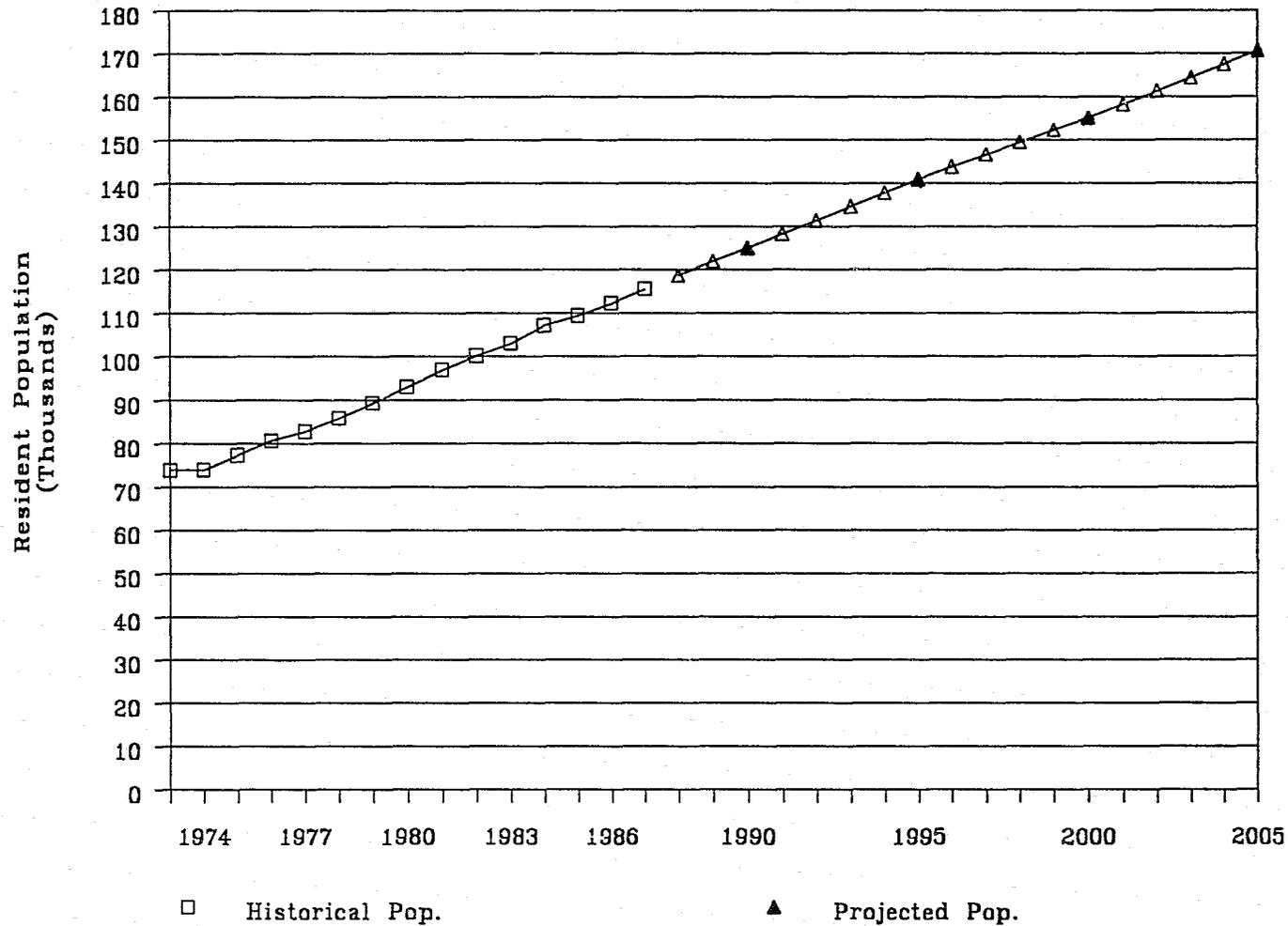


**Table 4**  
**Third Circuit – Population Analysis and Forecasts, 1970-2005**  
**State of Hawaii and Hawaii County**

Year	State of Hawaii Population	Number Per Year	Percent Per Year	Hawaii County Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>						
1970	771,600	--	--	63,800	--	--
1971	801,600	30,000	3.9%	67,000	3,200	5.0%
1972	828,300	26,700	3.3%	70,000	3,000	4.5%
1973	851,600	23,300	2.8%	73,900	3,900	5.6%
1974	868,000	16,400	1.9%	74,000	100	0.1%
1975	886,200	18,200	2.1%	77,400	3,400	4.6%
1976	904,200	18,000	2.0%	80,700	3,300	4.3%
1977	918,300	14,100	1.6%	82,800	2,100	2.6%
1978	931,600	13,300	1.4%	85,900	3,100	3.7%
1979	953,300	21,700	2.3%	89,400	3,500	4.1%
1980	968,900	15,600	1.6%	93,000	3,600	4.0%
1981	980,200	11,300	1.2%	97,000	4,000	4.3%
1982	997,600	17,400	1.8%	100,200	3,200	3.3%
1983	1,018,600	21,000	2.1%	103,000	2,800	2.8%
1984	1,036,000	17,400	1.7%	107,200	4,200	4.1%
1985	1,051,500	15,500	1.5%	109,200	2,000	1.9%
1986	1,064,700	13,200	1.3%	112,380	3,180	2.9%
1987	1,083,125	18,425	1.7%	115,560	3,180	2.8%
<b>Average 1973-1987 =</b>		<b>16,988</b>	<b>1.8%</b>		<b>3,037</b>	<b>3.4%</b>
<b>Projected Population ==&gt;</b>						
1990	1,138,400	18,425	1.7%	125,100	3,180	2.8%
1995	1,211,500	14,620	1.3%	141,100	3,200	2.6%
2000	1,267,800	11,260	0.9%	155,200	2,820	2.0%
2005	1,310,000	8,440	0.7%	170,800	3,120	2.0%
<b>Average 1990-2005 =</b>		<b>13,186</b>	<b>1.1%</b>		<b>3,080</b>	<b>2.3%</b>
Source: Department of Business and Economic Development, State of Hawaii, July 1987. Based on Resident Population.						

# FIGURE 4: HAWAII COUNTY POPULATION

HISTORICAL AND PROJECTED, 1973-2005



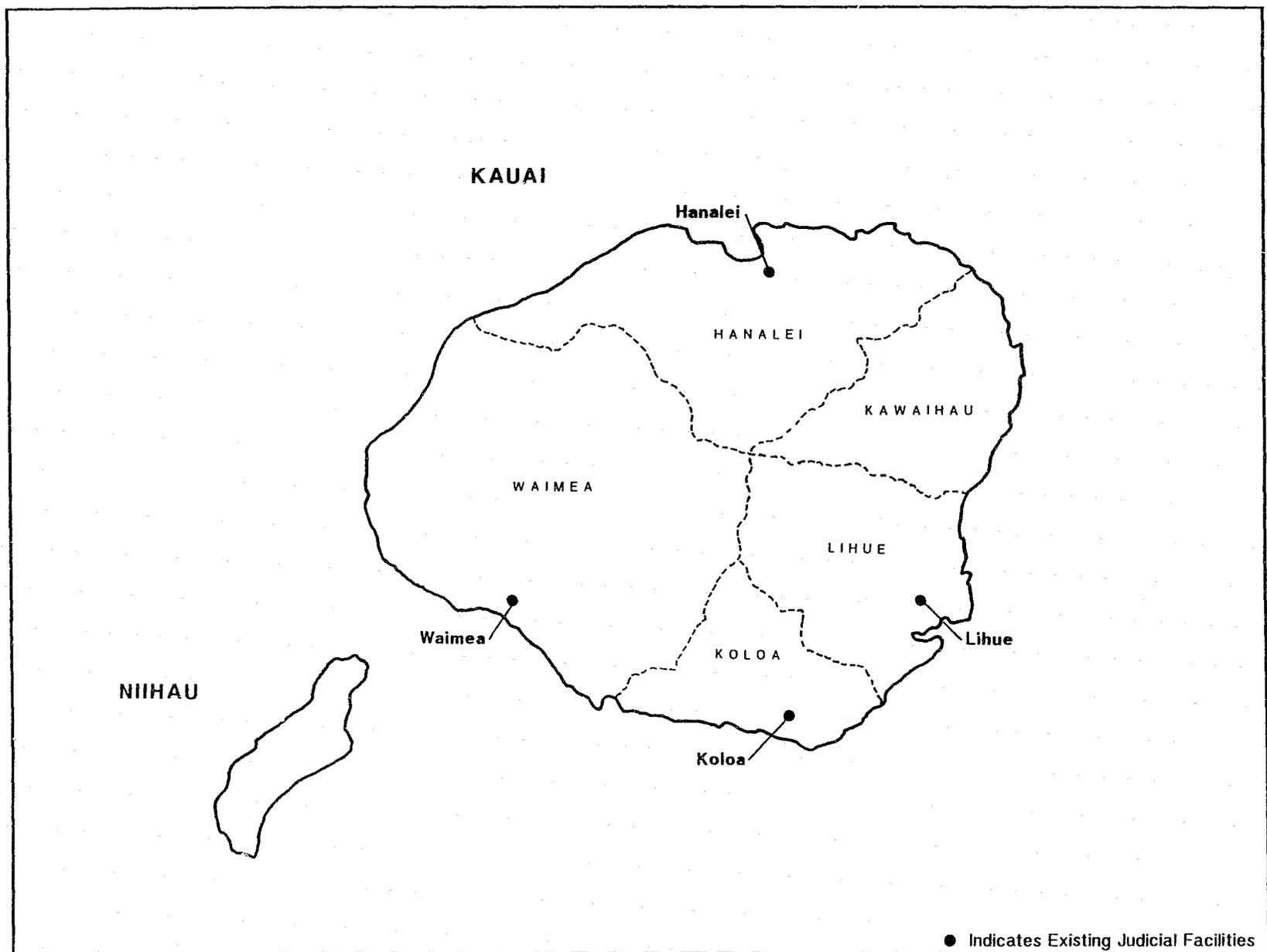
**STATE OF HAWAII POPULATION**

**Kauai County: Fifth Circuit**

The historical population estimates and future projections for Kauai County are found in Table 5. From 1973 to 1987, Kauai has grown by 15,060 residents, or 45.7 percent. This translates to 1,071 new residents per year, or a 2.8 percent increase.

The population projections show Kauai County to be the fastest growing of all the counties. The county is expected to reach 76,800 inhabitants by the year 2005, an increase of 28,840 residents, or over 60 percent for the period. The actual number growth this represents is 1,570 residents per year, for an average annual percentage of 2.8 percent.

**FIFTH JUDICIAL CIRCUIT**



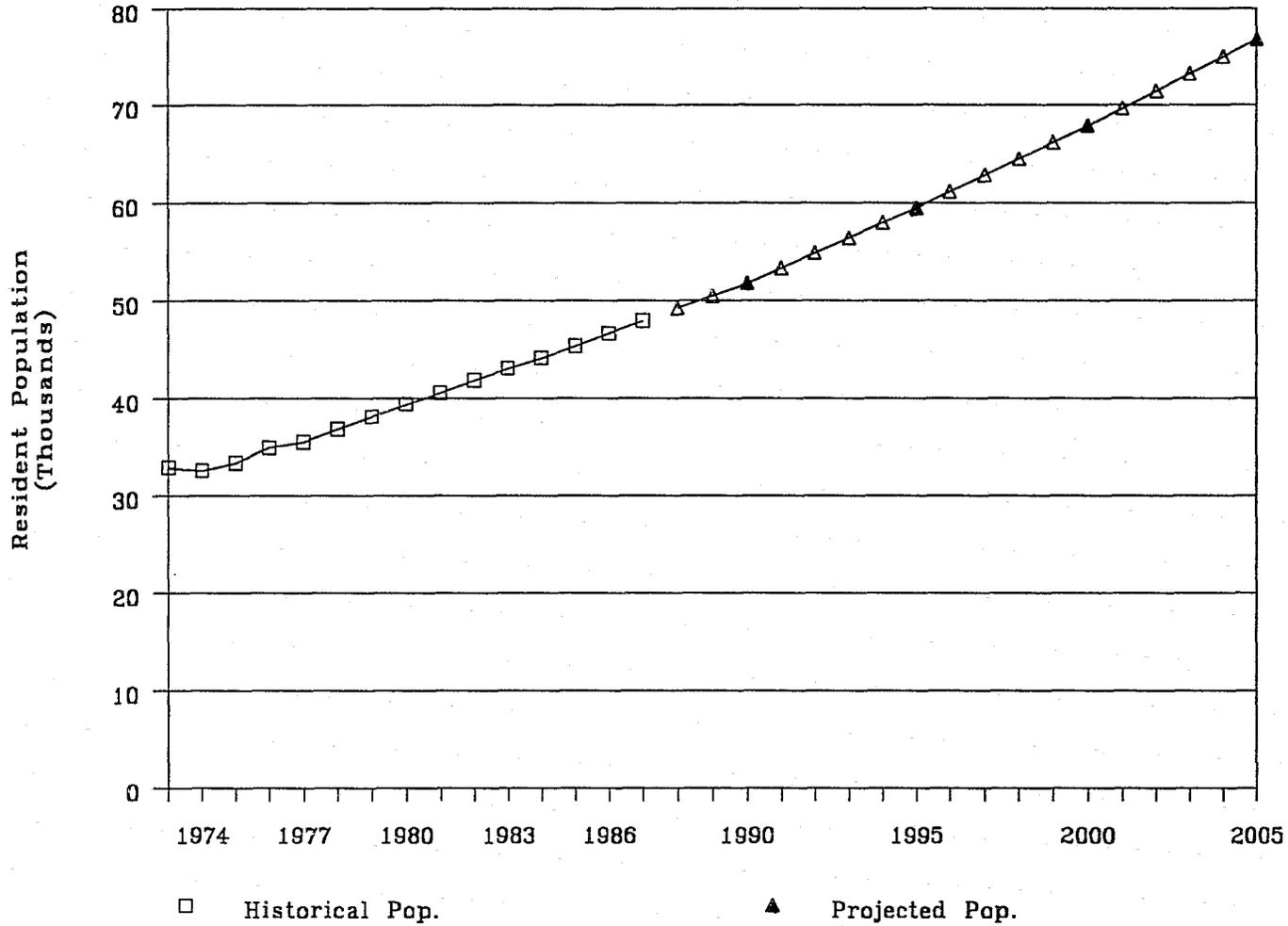
**Table 5**  
**Fifth Circuit -- Population Analysis and Forecasts, 1970-2005**  
**State of Hawaii and Kauai County**

Year	State of Hawaii Population	Number Per Year	Percent Per Year	Kauai County Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>						
1970	771,600	--	--	29,800	--	--
1971	801,600	30,000	3.9%	30,900	1,100	3.7%
1972	828,300	26,700	3.3%	31,900	1,000	3.2%
1973	851,600	23,300	2.8%	32,900	1,000	3.1%
1974	868,000	16,400	1.9%	32,600	(300)	-0.9%
1975	886,000	18,000	2.1%	33,400	800	2.5%
1976	904,200	18,200	2.1%	34,900	1,500	4.5%
1977	918,300	14,100	1.6%	35,500	600	1.7%
1978	931,600	13,300	1.4%	36,800	1,300	3.7%
1979	953,300	21,700	2.3%	38,100	1,300	3.5%
1980	968,900	15,600	1.6%	39,400	1,300	3.4%
1981	980,600	11,700	1.2%	40,600	1,200	3.0%
1982	997,800	17,200	1.8%	41,900	1,300	3.2%
1983	1,019,500	21,700	2.2%	43,100	1,200	2.9%
1984	1,037,200	17,700	1.7%	44,200	1,100	2.6%
1985	1,051,500	14,300	1.4%	45,400	1,200	2.7%
1986	1,069,700	18,200	1.7%	46,680	1,280	2.8%
1987	1,087,900	18,200	1.7%	47,960	1,280	2.7%
<b>Average 1973-1987 =</b>		<b>17,307</b>	<b>1.8%</b>		<b>1,071</b>	<b>2.8%</b>
<b>Projected Population ==&gt;</b>						
1990	1,142,500	18,200	1.7%	51,800	1,280	2.7%
1995	1,228,900	17,280	1.5%	59,500	1,540	3.0%
2000	1,294,200	13,060	1.1%	67,900	1,680	2.8%
2005	1,359,500	13,050	1.0%	76,800	1,780	2.6%
<b>Average 1990-2005 =</b>		<b>15,400</b>	<b>1.3%</b>		<b>1,570</b>	<b>2.8%</b>

Source: Department of Business and Economic Development, State of Hawaii, July 1987.  
Based on Resident Population.

# FIGURE 5: KAUAI COUNTY POPULATION

HISTORICAL AND PROJECTED, 1973-2005



CIRCUIT COURT

3

**CIRCUIT COURT****CIRCUIT COURT**

The Circuit Courts in the state of Hawaii are courts of general jurisdiction in civil and criminal matters. Circuit Court is where all jury trials are heard. These courts maintain exclusive jurisdiction over probate, guardianship, criminal felony trials, and civil cases where the contested amount exceeds \$10,000. In addition, Circuit Courts share concurrent jurisdiction with the District Courts in civil, non-jury cases involving amounts between \$5,000 and \$10,000. Jurisdiction also extends over mechanic's liens, naturalization, and misdemeanor violations that are transferred from the District Courts for jury trials.

Tables 1 and 2 present summaries of the Circuit Court filing and judgeship forecasts for the State and all Circuits.

**Table 1**  
**Hawaii Judicial System**  
**Summary of Circuit Court Filing and Judgeship Forecasts, 1990-2005**

<i>FILINGS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit Court</i>	<i>8,387</i>	<i>9,504</i>	<i>10,538</i>	<i>11,411</i>	<i>12,299</i>
<i>Second Circuit Court</i>	<i>1,733</i>	<i>2,088</i>	<i>2,586</i>	<i>3,086</i>	<i>3,569</i>
<i>Third Circuit Court</i>	<i>2,411</i>	<i>2,823</i>	<i>3,374</i>	<i>3,889</i>	<i>4,432</i>
<i>Fifth Circuit Court</i>	<i>785</i>	<i>943</i>	<i>1,179</i>	<i>1,437</i>	<i>1,715</i>
<i>Total: All Circuits</i>	<i>13,326</i>	<i>15,701</i>	<i>18,127</i>	<i>20,375</i>	<i>22,676</i>
<i>JUDGESHIPS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit Court</i>	<i>16.0</i>	<i>16.0</i>	<i>16.7</i>	<i>17.2</i>	<i>17.6</i>
<i>Second Circuit Court</i>	<i>3.0</i>	<i>3.0</i>	<i>3.3</i>	<i>3.5</i>	<i>3.6</i>
<i>Third Circuit Court</i>	<i>3.0</i>	<i>3.2</i>	<i>3.5</i>	<i>3.8</i>	<i>3.9</i>
<i>Fifth Circuit Court</i>	<i>1.0</i>	<i>1.2</i>	<i>1.4</i>	<i>1.5</i>	<i>1.6</i>
<i>Total: All Circuits</i>	<i>23.0</i>	<i>23.1</i>	<i>24.6</i>	<i>25.8</i>	<i>27.0</i>

*Notes: (1) Totals reflect aggregate forecasts, not the sum of the disaggregated forecasts.*  
*(2) Judgeships were calculated on the basis of statutory Circuit Judges only, excluding any assigned or per diem judges.*

**Table 2**  
**All Circuits - Summary of Circuit Court Filing Forecasts by Year, 1984-2005**

CIRCUIT COURT	HISTORICAL FILINGS				PROJECTED FILINGS									
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	2000	2005
First Circuit Court	9,578	9,581	9,266	8,397	8,766	9,135	9,504	9,711	9,918	10,124	10,331	10,538	11,411	12,299
Second Circuit Court	1,644	1,916	1,883	1,733	1,851	1,970	2,088	2,188	2,287	2,387	2,486	2,586	3,086	3,569
Third Circuit Court	2,325	2,380	2,301	2,411	2,548	2,686	2,823	2,933	3,043	3,154	3,264	3,374	3,889	4,432
Fifth Circuit Court	906	756	847	785	838	890	943	990	1,037	1,085	1,132	1,179	1,437	1,715
Disaggregated Forecasts	14,453	14,633	14,297	13,326	14,003	14,681	15,358	15,822	16,286	16,749	17,213	17,677	19,823	22,015
Aggregated Filing Forecast	14,453	14,633	14,297	13,326	14,118	14,909	15,701	16,186	16,671	17,157	17,642	18,127	20,375	22,676
Variance	0.00%	0.00%	0.00%	0.00%	0.82%	1.56%	2.23%	2.30%	2.37%	2.43%	2.49%	2.55%	2.78%	3.00%
Total Circuit Court Filings	14,453	14,633	14,297	13,326	14,118	14,909	15,701	16,186	16,671	17,157	17,642	18,127	20,375	22,676

Source: Carter Goble Associates, Inc., May 1988.

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## **Circuit Court Filing Forecasts**

**CIRCUIT COURT FILING FORECASTS****Statewide Forecast**

Tables 3, 4, and 5 present the Circuit Court filing forecasts for the State of Hawaii.

Table 3 summarizes the historical filings for the state from fiscal year 1972-73 to fiscal year 1986-87. From a starting point of 8,835 filings in 1973, the state's circuit filings increased steadily until 1981-82, when a sharp escalation of nearly 3,000 filings was experienced. Filings peaked in 1982-83 to over 17,000 filings, then, for the next three years there was a plateauing around 14,500, and a decrease in 1986-1987 to 13,326 filings. This peaking and subsequent decline of filings can be attributed largely to civil and supplemental cases.

Table 5 presents the filing projections for the Circuit Court. Models 1 and 2 project future growth based on past growth, in terms of a percentage and an actual number. The rate of change in the past has averaged 3.6 percent per year and 321 filings per year, respectively. Model 3 projects future growth based on a steadily increasing ratio of filings to the population as the ratio grew from 10.37 filings per 1,000 population in 1973 to a 12.25 ratio in 1987. Models 4, 5, 6, and 7 are modified variations of the models above. Each model averages data for the years 1973-1976 and 1984-1987, as the filings and ratios for these years cluster together well, and this prevents over-reliance on a single data point for the projection. The models then use the rate of change between these averages to project future growth.

Model 8 examines the relationship between the degree of change in filings for the modified period and the corresponding degree of change in population. A "change" ratio is developed that is used with projected population to determine projected filings. Models 9 and 10 are regression models that use trend line analysis and correlation with population to make filing projections.

**CIRCUIT COURT FILING FORECASTS**

The recommended forecast averages models 4, 6, 7, 9, and 10 as each of these models present projections within a similar range. This combination of models producing somewhat similar results is thought to produce the greatest opportunity for correctly predicting future growth, without being over-influenced by a single indicator or predictive methodology. The projected Circuit Court filings for the State of Hawaii in the year 2005 is approximately 22,676.

**Table 3**  
**All Circuits - Circuit Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Circuit Filings</b>	8,835	9,324	9,654	9,769	10,188	10,074	11,291	11,997	12,591	15,182	17,025	14,153	14,633	14,297	13,326	
- Civil	3,262	3,556	3,835	4,204	4,212	4,090	4,479	4,862	5,421	7,733	8,921	6,960	6,709	6,718	5,987	
- Probate	1,564	1,592	1,615	1,714	1,720	1,551	1,476	1,535	1,586	1,682	1,726	1,738	1,797	1,733	1,830	
- Guardianship	589	487	422	427	315	361	341	425	378	406	347	356	375	518	449	
- Miscellaneous	722	1,046	1,034	718	1,274	1,047	1,098	1,488	1,220	1,171	1,135	1,280	1,614	1,309	1,519	
- Criminal Actions	2,048	2,006	2,045	1,988	1,986	2,061	2,809	2,426	2,667	2,810	3,220	2,981	2,954	3,060	2,932	
- Supplemental	650	637	703	718	681	964	1,088	1,261	1,319	1,380	1,737	1,138	1,184	959	609	
<b>Total Terminations</b>	9,323	7,686	9,334	8,094	8,626	9,151	8,744	10,581	8,778	9,882	10,304	21,573	13,248	13,467	10,604	10,626
<b>Pending At End</b>	13,463	15,101	15,421	17,096	18,658	19,581	22,128	23,544	27,357	32,657	39,439	30,449	31,689	32,518	34,910	24,934
<b>Disposition Rate</b>	106%	82%	97%	83%	85%	91%	77%	88%	70%	65%	60%	149%	91%	94%	80%	88%
<b>Number of FTE Judges (1,2)</b>	13.90	13.90	14.90	14.90	15.90	15.90	15.90	17.85	17.85	17.85	22.85	26.80	26.80	26.80	26.75	
<b>Filings Per Judge</b>	636	671	648	659	641	634	710	672	705	851	749	539	546	533	499	646
<b>Terminations Per Judge</b>	671	553	626	543	543	576	550	593	492	554	451	805	494	503	396	557
<b>Judges Per 100,000 Pop.</b>	1.63	1.60	1.68	1.65	1.73	1.71	1.67	1.84	1.82	1.79	2.24	2.58	2.55	2.51	2.46	1.96
<b>Filings Per 1,000 Pop.</b>	10.37	10.74	10.90	10.80	11.09	10.81	11.84	12.38	12.84	15.22	16.76	13.93	13.92	13.37	12.25	12.48
<b>State Population</b>	851,600	868,000	886,000	904,200	918,300	931,600	953,300	968,900	980,600	997,800	1019,500	1037,200	1051,500	1069,700	1087,900	

**Notes:**

- (1) The number of judges appears as a fraction due to the sharing of judges among jurisdictional tiers. This number also included District Court judges hearing Circuit Court cases, and excluded judicial time in the Third Circuit devoted to Family Court matters as this was a significant, quantifiable percentage.
- (2) From 1983 to 1987, the number of Circuit Court judges included assigned District Court Judges from the First Circuit. Three District Court judges heard cases, plus an additional judge who substituted during vacations, sick leaves, and training sessions. Beginning in 1988, a Family Court judge was also assigned Circuit cases.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 4**  
**All Circuits - Circuit Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	8,835	9,324	9,654	9,769	10,188	10,074	11,291	11,997	12,591	15,182	17,086	14,453	14,633	14,297	13,326	
- Civil	36.9%	38.1%	39.7%	43.0%	41.3%	40.6%	39.7%	40.5%	43.1%	50.9%	52.2%	48.2%	45.8%	47.0%	44.9%	43.5%
- Probate	17.7%	17.1%	16.7%	17.5%	16.9%	15.4%	13.1%	12.8%	12.6%	11.1%	10.1%	12.0%	12.3%	12.1%	13.7%	14.1%
- Guardianship	6.7%	5.2%	4.4%	4.4%	3.1%	3.6%	3.0%	3.5%	3.0%	2.7%	2.0%	2.5%	2.6%	3.6%	3.4%	3.6%
- Miscellaneous	8.2%	11.2%	10.7%	7.3%	12.5%	10.4%	9.7%	12.4%	9.7%	7.7%	6.6%	8.9%	11.0%	9.2%	11.4%	9.8%
- Criminal Actions	23.2%	21.5%	21.2%	20.4%	19.5%	20.5%	24.9%	20.2%	21.2%	18.5%	18.8%	20.6%	20.2%	21.4%	22.0%	20.9%
- Supplemental	7.4%	6.8%	7.3%	7.3%	6.7%	9.6%	9.6%	10.5%	10.5%	9.1%	10.2%	7.9%	8.1%	6.7%	4.6%	8.1%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 5**  
**All Circuits - Circuit Court Filing Projections, 1990-2005**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Circuit Court Filings	8,835	9,324	9,654	9,769	10,188	10,074	11,291	11,997	12,591	15,182	17,086	14,453	14,633	14,297	13,326
Filings Per 1,000 Pop.	10.37	10.74	10.90	10.80	11.09	10.81	11.84	12.38	12.84	15.22	16.76	13.93	13.92	13.37	12.25
Hawaii State Population	851,600	868,000	886,000	904,200	918,300	931,600	953,300	968,900	980,600	997,800	1019,500	1037,200	1051,500	1069,700	1087,900

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Circuit Court Filings	4,491	321	50.8%	3.6%	12,180
Filings Per 1,000 Pop.	1.87	0.13	18.1%	1.3%	12.48

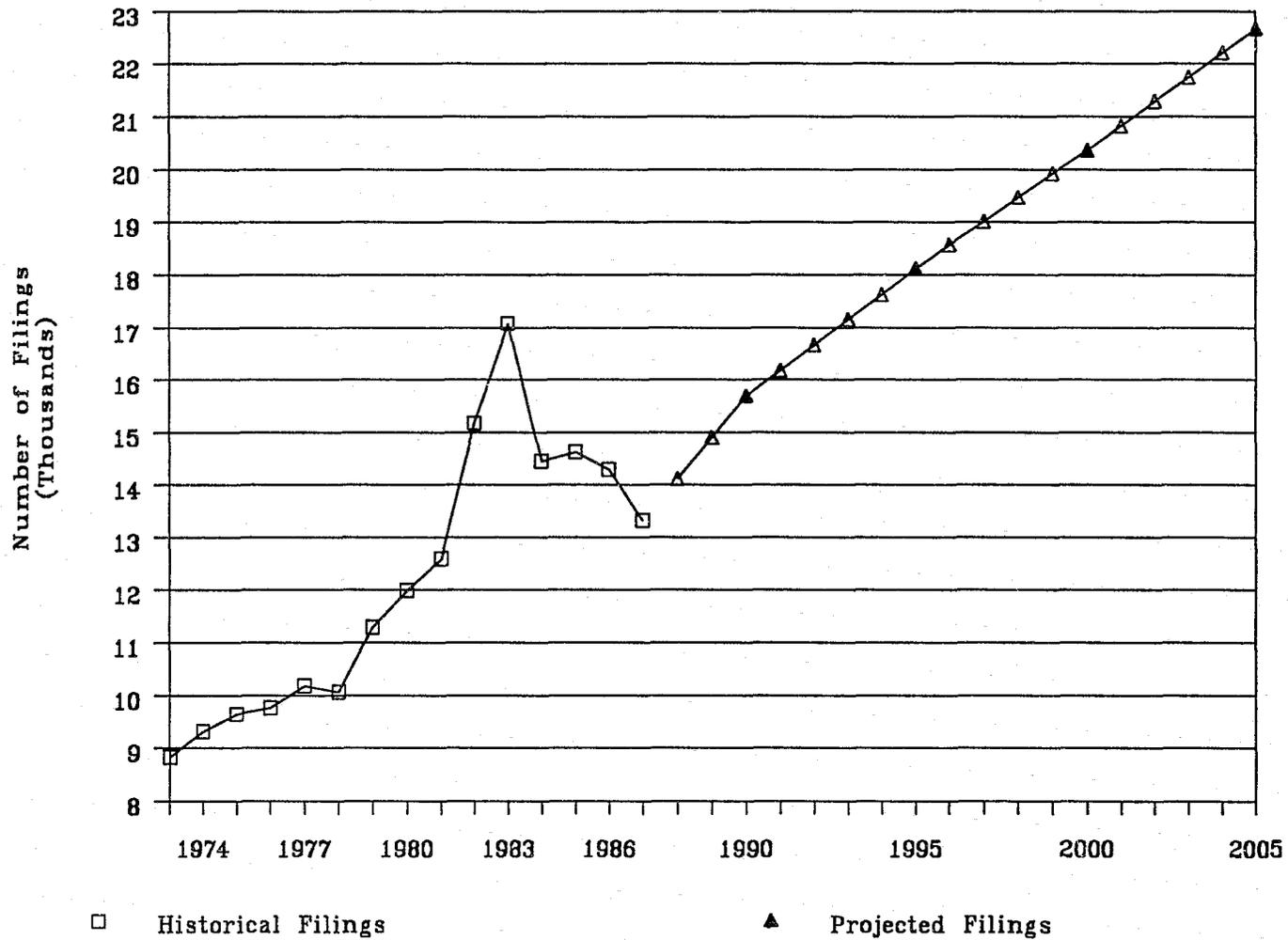
PROJECTED POPULATION	1990	1995	2000	2005
State of Hawaii	1142500	1228900	1294200	1359500

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 3.6%/year from 13,326 base	14,765	17,164	19,563	21,961	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-76 to Avg. 1984-87 = 10.70-13.37 = 2.67 = 0.19/year from 12.25 base	14,647	16,922	19,051	21,303
2) ACTUAL NUMBER INCREASE = 321/year from 13,326 base	14,289	15,894	17,499	19,104	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-76 to Avg. 1984-87 Actual # = 14,177-9,396 = 4,781; Pop. = 1,061,575-877,450 = 184,125; Ratio = 4,781:184,125 = 0.02596	12.82	13.77	14.72	15.67
3) INC. # RATIO TO POPULATION = 0.13/year from 12.25 base	14,441	16,332	18,041	19,835	9) LINEAR REGRESSION (Least Squares Analysis)	12.64	13.29	13.94	14.59
4) MODIFIED HISTORICAL TREND = Avg. 1973-76 to Avg. 1984-87 = 9,396-14,177 = 50.88% = 3.63%/year from 13,326 base	14,777	17,196	19,615	22,033	10) MULTIPLE REGRESSION Formula = -16,017 + .02912(Pop) Correlation = .732	14,743	16,986	18,682	20,377
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-76 to Avg. 1984-87 = 341.5/year from 13,326 base	14,351	16,058	17,766	19,473	Formula: Future population - 1987 population = x; x * 0.02596 + 13,326 base	17,077	19,526	21,974	24,423
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-76 to Avg. 1984-87 = 10.70-13.37 = 25.0% = 1.8%/year from 12.25 base	14,751	17,222	19,564	22,050	RECOMMENDED FORECAST ==>	17,253	19,769	21,670	23,572
	12.91	14.01	15.12	16.22	AVERAGE MODELS 4, 6, 7, 9, 10	15,701	18,127	20,375	22,676

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 5: CIRCUIT COURT FILINGS

HAWAII - ALL CIRCUITS, 1973-2005



**CIRCUIT COURT FILING FORECASTS**

**First Circuit Forecast**

Tables 6, 7, and 8 present the filing forecasts for the Circuit Court of the First Circuit.

In the historical analysis, Table 6 reveals a similar pattern for the First Circuit as for the state. Steady growth from 6,656 filings to 8,413 filings occurred from 1973 to 1981, then a large jump in 1982 to 10,315 filings, followed by a peaking in 1983 to 12,145 filings, then a plateauing of approximately 9,500 filings from 1984 to 1986, and finally, a decline in 1987 to 8,397 filings. Again, most of the fluctuation was due to changes in civil and supplemental cases.

The forecasts are presented in Table 8. The same methodology used in the statewide forecasts was used throughout in each of the remaining circuits. Each model translated the past observed rate of change into projections for the future. The modified models averaged data points that clustered together, and determined the rate of change between the averages, which was subsequently used for the projection. The relationship and regression models developed correlations between variables which were used with projected population growth to arrive at projected filings.

The recommended forecast for the First Circuit Court averaged models 4, 5, 6, 7, and 8. The regression models were excluded from the forecast because they were thought to over emphasize the peak years of 1982 and 1983. The averaging of the models produced a forecast for the First Circuit of approximately 12,299 filings.

**Table 6**  
**First Circuit - Circuit Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Circuit Filings</b>	6,656	6,971	6,982	7,190	6,910	6,941	7,851	8,010	8,413	10,315	12,145	9,578	9,581	9,266	8,397	
- Civil	2,598	2,850	3,017	3,292	3,268	3,111	3,373	3,589	3,927	5,717	6,783	5,181	4,995	4,869	4,358	
- Probate	1,133	1,143	1,172	1,249	1,255	1,153	1,051	1,110	1,139	1,184	1,217	1,197	1,271	1,212	1,243	
- Guardianship	479	378	331	302	231	274	268	288	286	314	229	248	248	361	322	
- Miscellaneous	341	548	411	407	430	388	438	467	478	438	562	500	690	686	718	
- Criminal Actions	1,587	1,551	1,493	1,403	1,256	1,275	1,884	1,580	1,617	1,624	1,983	1,763	1,732	1,752	1,747	
- Supplemental (1)	518	501	558	537	470	740	837	976	966	1,038	1,371	689	645	386	9	
<b>Total Terminations</b>	7,035	5,613	6,908	5,821	5,870	6,415	6,072	6,912	5,647	6,280	6,545	16,352	8,056	8,317	6,318	7,211
<b>Pending at End</b>	10,456	11,814	11,888	13,257	14,297	14,823	16,602	17,700	20,466	24,501	30,101	21,457	22,837	23,785	25,534	18,635
<b>Disposition Rate</b>	106%	81%	99%	81%	85%	92%	77%	86%	67%	61%	54%	171%	84%	90%	75%	87%
<b>Number of FTE Judges (2,3)</b>	10	10	11	11	11	11	11	13	13	13	18	20	20	20	20	
<b>Filings Per Judge</b>	666	697	635	654	628	631	714	616	647	793	675	479	479	463	420	613
<b>Terminations Per Judge</b>	704	561	628	529	534	583	552	532	434	483	364	818	403	416	316	524
<b>Judges Per 100,000 Pop.</b>	1.45	1.41	1.53	1.51	1.49	1.48	1.46	1.70	1.69	1.67	2.27	2.49	2.46	2.43	2.40	1.83
<b>Filings Per 1,000 Pop.</b>	9.63	9.85	9.72	9.87	9.38	9.35	10.38	10.47	10.94	13.25	15.31	11.94	11.81	11.27	10.07	10.88
<b>Honolulu Co. Population</b>	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,400	822,300	833,500	

**Notes:**

- (1) Variations in supplemental actions was partly indicative of fluctuations in the use of TRO's - temporary restraining orders.
- (2) Number of FTE judges included statutory Circuit judges and assigned District judges.
- (3) From 1983-87, three District Court judges were assigned to hear Circuit Court cases. In addition, one District Court judge substituted during vacations, sick leave, and training sessions. Beginning in 1988, one Family Court judge was also assigned to Circuit Court cases.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 7**  
**First Circuit - Circuit Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	6,656	6,971	6,982	7,190	6,910	6,941	7,851	8,010	8,413	10,315	12,145	9,578	9,581	9,266	8,397	
- Civil	39.0%	40.9%	43.2%	45.8%	47.3%	44.8%	43.0%	44.8%	46.7%	55.4%	55.9%	54.1%	52.1%	52.5%	51.9%	47.8%
- Probate	17.0%	16.4%	16.8%	17.4%	18.2%	16.6%	13.4%	13.9%	13.5%	11.5%	10.0%	12.5%	13.3%	13.1%	14.8%	14.6%
- Guardianship	7.2%	5.4%	4.7%	4.2%	3.3%	3.9%	3.4%	3.6%	3.4%	3.0%	1.9%	2.6%	2.6%	3.9%	3.8%	3.8%
- Miscellaneous	5.1%	7.9%	5.9%	5.7%	6.2%	5.6%	5.6%	5.8%	5.7%	4.2%	4.6%	5.2%	7.2%	7.4%	8.6%	6.0%
- Criminal Actions	23.8%	22.2%	21.4%	19.5%	18.2%	18.4%	24.0%	19.7%	19.2%	15.7%	16.3%	18.4%	18.1%	18.9%	20.8%	19.6%
- Supplemental	7.8%	7.2%	8.0%	7.5%	6.8%	10.7%	10.7%	12.2%	11.5%	10.1%	11.3%	7.2%	6.7%	4.2%	0.1%	8.1%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 8**  
**First Circuit - Circuit Court Filing Projections, 1990-2005**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Circuit Court Filings	6,656	6,971	6,982	7,190	6,910	6,941	7,851	8,010	8,413	10,315	12,145	9,578	9,581	9,266	8,397
Filings Per 1,000 Pop.	9.63	9.85	9.72	9.87	9.38	9.35	10.38	10.47	10.94	13.25	15.31	11.94	11.81	11.27	10.07
Honolulu Co. Population	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,100	822,300	833,500

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Circuit Court Filings	1,741	124	26.2%	1.9%	8,347
Filings Per 1,000 Pop.	0.45	0.03	4.6%	0.3%	10.88

PROJECTED POPULATION	1990	1995	2000	2005
	Honolulu City and County	867,100	915,900	945,400

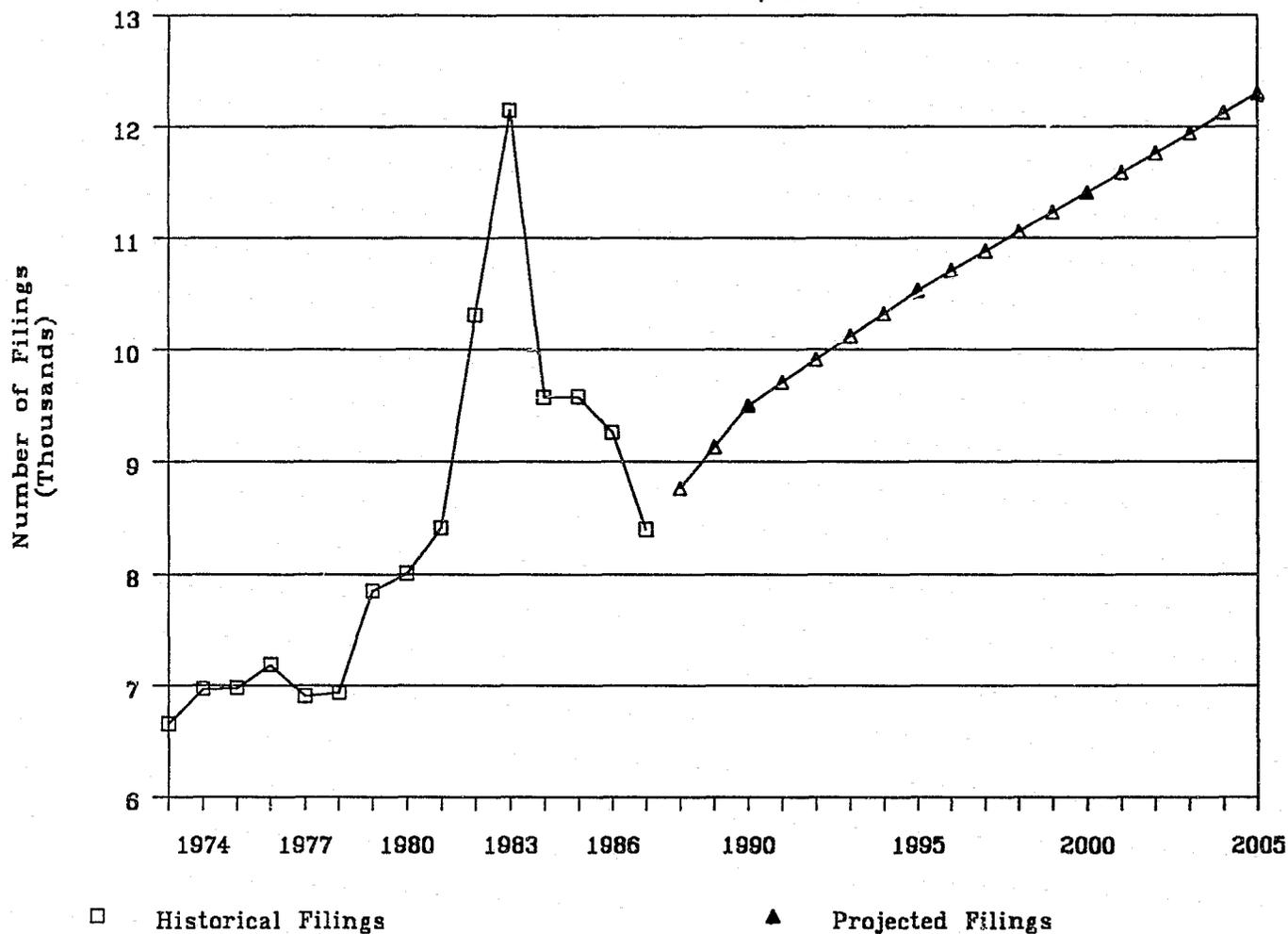
FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 1.9%/year from 8,832 base	9,335	10,174	11,014	11,853	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-78 to Avg. 1984-87 = 9.63-11.27 = 1.64 = 0.117/year from 10.67 base	9,556	10,630	11,525	12,458
2) ACTUAL NUMBER INCREASE = 124/year from 8,832 base	9,204	9,824	10,444	11,064	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-78 to Avg. 1984-87 Actual # = 9,206-6,942 = 2,264; Pop. = 817,325-720,917 = 96,408; Ratio = 2,264:96,408 = 0.02348	9,621	10,767	11,459	12,157
3) INC. # RATIO TO POPULATION = 0.03/year from 10.67 base	9,330	9,992	10,456	10,931	9) LINEAR REGRESSION (Least Squares Analysis)	10,901	12,178	13,456	14,733
4) MODIFIED HISTORICAL TREND = Avg. 1973-78 to Avg. 1984-87 = 6,942-9,206 = 32.6% = 2.3%/year from 8,832 base	9,441	10,457	11,473	12,488	10) MULTIPLE REGRESSION Formula = -11,567 + .02607(Pop) Correlation = .513	11,038	12,310	13,079	13,853
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-78 to Avg. 1984-87 = 161.7/year from 8,832 base	9,317	10,126	10,934	11,743					
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-78 to Avg. 1984-87 = 9.63-11.27 = 17.0% = 1.2%/year from 10.67 base	9,585	10,711	11,661	12,652	RECOMMENDED FORECAST ==>				
	11.05	11.69	12.33	12.97	AVERAGE MODELS 4,5,6,7,8	9,504	10,538	11,411	12,299

Note: Base derived by averaging FY 1985-86 and FY 1986-87.

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 8: CIRCUIT COURT FILINGS

HAWAII - FIRST CIRCUIT, 1973-2005



**CIRCUIT COURT FILING FORECASTS****Second Circuit Forecast**

Tables 9, 10, and 11 present the Circuit Court filing forecasts for the Second Circuit.

The filings for the Second Circuit Court have doubled in the 14 year period from 871 in 1973 to 1,733 in 1987. The growth has experienced a number of plateaus, peaks, and declines throughout the period. The jump experienced by the First Circuit in 1982 and 1983, was also experienced in the Second Circuit, but not to as great a degree. The Second Circuit actually peaked a few years later in 1985 when it reached 1,916 filings, a fact attributable largely to an increase in criminal actions and supplemental proceedings.

The projections for the Second Circuit Court are shown in Table 11. Seven models were chosen to average together for the recommended forecast. Models 4 and 5 when bracketed together, average approximately 3,500 filings, as do Models 6 and 7. Models 8, 9, and 10 are also in close correspondence.

The recommended forecast for the Second Circuit Court projects a repeat of its past history - a doubling of filings to 3,569 in the year 2005.

**Table 9**  
**Second Circuit - Circuit Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	871	818	862	832	1,274	1,056	1,244	1,606	1,641	1,873	1,755	1,644	1,916	1,883	1,733	
- Civil	261	254	244	318	343	376	427	526	641	834	847	655	688	686	614	
- Probate	137	106	89	166	134	99	134	114	117	132	130	132	154	152	139	
- Guardianship	35	29	28	49	15	30	29	63	44	34	43	38	42	44	43	
- Miscellaneous	174	200	245	44	464	246	285	514	328	329	251	348	345	233	368	
- Criminal Actions	204	167	231	227	293	282	337	351	490	515	475	466	578	517	327	
- Supplemental	60	62	25	28	25	23	32	38	21	29	9	5	109	251	242	
Total Terminations	903	786	719	718	1,060	904	908	1,339	1,066	1,306	1,297	1,654	2,240	2,198	1,602	1,247
Pending at End	1,126	1,158	1,301	1,415	1,629	1,781	2,117	2,384	2,959	3,526	3,984	3,974	3,650	3,335	3,466	2,520
Disposition Rate	104%	96%	83%	86%	83%	86%	73%	83%	65%	70%	74%	101%	117%	117%	92%	89%
Number of FTE Judges	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	
Filings Per Judge	871	818	862	832	637	528	622	803	821	937	878	548	639	628	578	733
Terminations Per Judge	903	786	719	718	530	452	454	670	533	653	649	551	747	733	534	642
Judges Per 100,000 Pop.	1.87	1.86	1.76	1.66	3.17	3.02	2.87	2.79	2.70	2.60	2.50	3.59	3.51	3.41	3.31	2.71
Filings Per 1,000 Pop.	16.31	15.20	15.18	13.80	20.22	15.95	17.85	22.43	22.15	24.32	21.94	19.69	22.41	21.38	19.12	19.20
MauI County Population	53,400	53,800	56,800	60,300	63,000	66,200	69,700	71,600	74,100	77,000	80,000	83,500	85,500	88,060	90,620	

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 10**  
**Second Circuit - Circuit Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	871	818	862	832	1,274	1,056	1,244	1,606	1,641	1,873	1,755	1,644	1,916	1,883	1,733	
- Civil	30.0%	31.1%	28.3%	38.2%	26.9%	35.6%	34.3%	32.8%	39.1%	44.5%	48.3%	39.8%	35.9%	36.4%	35.4%	35.8%
- Probate	15.7%	13.0%	10.3%	20.0%	10.5%	9.4%	10.8%	7.1%	7.1%	7.0%	7.4%	8.0%	8.0%	8.1%	8.0%	10.0%
- Guardianship	4.0%	3.5%	3.2%	5.9%	1.2%	2.8%	2.3%	3.9%	2.7%	1.8%	2.5%	2.3%	2.2%	2.3%	2.5%	2.9%
- Miscellaneous	20.0%	24.4%	28.4%	5.3%	36.4%	23.3%	22.9%	32.0%	20.0%	17.6%	14.3%	21.2%	18.0%	12.4%	21.2%	21.2%
- Criminal Actions	23.4%	20.4%	26.8%	27.3%	23.0%	26.7%	27.1%	21.9%	29.9%	27.5%	27.1%	28.3%	30.2%	27.5%	18.9%	25.7%
- Supplemental	6.9%	7.6%	2.9%	3.4%	2.0%	2.2%	2.6%	2.4%	1.3%	1.5%	0.5%	0.3%	5.7%	13.3%	14.0%	4.4%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 11**  
**Second Circuit - Circuit Court Filing Projections, 1990-2005**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Circuit Court Filings	871	818	862	832	1,274	1,056	1,244	1,606	1,641	1,873	1,755	1,644	1,916	1,883	1,733
Filings Per 1,000 Pop.	16.31	15.20	15.18	13.80	20.22	15.95	17.85	22.43	22.15	24.32	21.94	19.69	22.41	21.38	19.12
Maui County Population	53,400	53,800	56,800	60,300	63,000	66,200	69,700	71,600	74,100	77,000	80,000	83,500	85,500	88,060	90,620

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87
	Number	Per Year	Percent	Per Year	Average
Circuit Court Filings	862	62	99.0%	7.1%	1,401
Filings Per 1,000 Pop.	2.81	0.20	17.2%	1.2%	19.20

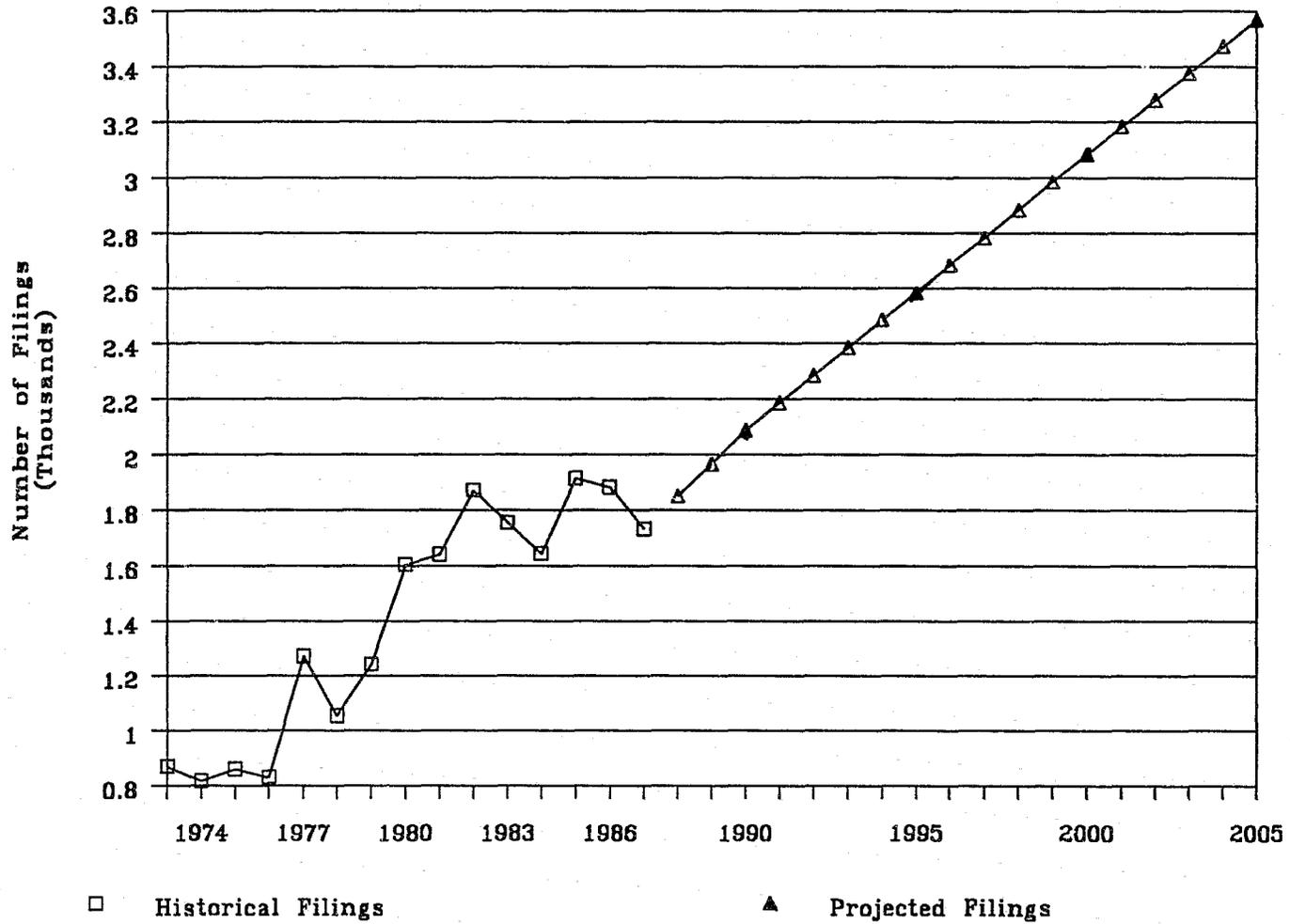
PROJECTED POPULATION	1990	1995	2000	2005
Maui County	98,300	112,500	125,700	136,900

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 7.1%/year from 1,733 base	2,102	2,717	3,333	3,948	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-76 to Avg. 1983-87 = 15.12-20.91 = 5.79 = 0.41/year from 19.12 base	2,000	2,520	3,073	3,628
2) ACTUAL NUMBER INCREASE = 62/year from 1,733 base	1,919	2,229	2,539	2,849	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-76 to Avg. 1980-87 Actual # = 1,756-846 = 910; Pop. = 81,298-56,075 = 25,223; Ratio = 910:25,223 = 0.036	20.35	22.40	24.45	26.50
3) INC. # RATIO TO POPULATION = 0.20/year from 19.12 base	1,938	2,331	2,730	3,110	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 0.036 + 1,733 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-76 to Avg. 1980-87 = 846-1,756 = 107.5% = 7.7%/year from 1,733 base	19.72	20.72	21.72	22.72	10) MULTIPLE REGRESSION Formula = -840 + .03131(Pop) Correlation = .845	2,009	2,521	2,996	3,399
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-76 to Avg. 1980-87 = 65/year from 1,733 base	2,133	2,801	3,468	4,135		2,273	2,709	3,145	3,581
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-76 to Avg. 1983-87 = 15.12-20.91 = 38.3% = 2.7%/year from 19.12 base	1,928	2,253	2,578	2,903		2,237	2,682	3,095	3,446
	2,032	2,616	3,247	3,890	<b>RECOMMENDED FORECAST →</b>				
	20.67	23.25	25.83	28.41	<b>AVERAGE MODELS 4,5,6,7,8,9,10</b>	<b>2,088</b>	<b>2,586</b>	<b>3,086</b>	<b>3,589</b>

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 11: CIRCUIT COURT FILINGS

HAWAII - SECOND CIRCUIT, 1973-2005



**CIRCUIT COURT FILING FORECASTS****Third Circuit Forecast**

Tables 12, 13, and 14 present the Circuit Court filing forecasts for the Third Circuit. It is appropriate to note at this point that the projections for the Third Circuit, Family, and District Courts differ slightly from those in a previously published report. The reason for this difference is due to the use of the revised population estimates and projections issued by the Department of Business and Economic Development in July 1987. Although the Department's population projections increased for the Third Circuit, previous historical population estimates were also revised upward, which served to balance out the effect of the forecasts.

Table 12 reveals that the Third Circuit filing caseload has grown substantially during the 14-year period. The growth has been steady from 985 filings in 1973 to a peaking of 2,491 filings in 1983. Since 1983, there has been a plateauing of the caseload around 2,400 filings. Growth has occurred in all types of circuit court cases, with each demonstrating the same plateauing effect in recent years.

The projections for the Third Circuit are presented in Table 14. A combination of models that ranged from 4,112 filings to 4,568 filings was averaged to achieve the recommended forecast. The four models 5, 8, 9, and 10 produced a forecast of approximately 4,432 filings in 2005.

**Table 12**  
**Third Circuit - Circuit Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Circuit Filings</b>	985	1,052	1,348	1,362	1,416	1,579	1,729	1,799	1,787	2,152	2,491	2,325	2,380	2,301	2,411	
- Civil	299	343	437	447	480	499	521	607	622	856	1,052	884	822	917	763	
- Probate	227	257	277	235	262	249	251	250	264	295	293	316	299	311	357	
- Guardianship	51	66	53	55	58	36	31	54	34	34	52	54	60	85	63	
- Miscellaneous	139	176	246	206	151	279	236	331	253	304	240	194	413	155	302	
- Criminal Actions	220	160	237	290	300	342	503	352	339	404	540	513	424	534	575	
- Supplemental	49	50	98	129	165	174	187	205	275	259	314	364	362	299	351	
<b>Total Terminations</b>	990	932	1,252	1,208	1,198	1,248	1,351	1,828	1,503	1,608	1,816	2,762	2,275	2,193	2,047	1,614
<b>Pending at End</b>	1,426	1,546	1,642	1,796	2,014	2,345	2,723	2,649	2,978	3,522	4,197	3,760	3,865	3,973	4,337	2,852
<b>Disposition Rate</b>	101%	89%	93%	89%	85%	79%	78%	102%	84%	75%	73%	119%	96%	95%	85%	89%
<b>Number of FTE Judges</b>	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.85	1.85	1.85	1.85	2.80	2.80	2.80	2.75	
<b>Filings Per Judge</b>	518	554	709	717	745	831	910	972	966	1,163	1,346	830	850	822	877	854
<b>Terminations Per Judge</b>	521	491	659	636	631	657	711	988	812	869	982	986	813	783	744	752
<b>Judges Per 100,000 Pop.</b>	2.57	2.57	2.45	2.35	2.29	2.21	2.13	1.99	1.91	1.85	1.80	2.61	2.56	2.49	2.38	2.28
<b>Filings Per 1,000 Pop.</b>	13.33	14.22	17.42	16.88	17.10	18.38	19.34	19.34	18.42	21.48	24.18	21.69	21.74	20.48	20.86	18.99
<b>Hawaii County Population</b>	73,900	74,000	77,400	80,700	82,800	85,900	89,400	93,000	97,000	100,200	103,000	107,200	109,500	112,380	115,560	

**Notes:**

(1) In the Third Circuit, Circuit and District Court judges account for a significant portion of Family Court cases. quantifiable hear Family Court cases. The total number of FTE judgeships was calculated excluding time devoted to Family Court matters.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 13**  
**Third Circuit - Circuit Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	985	1,052	1,348	1,362	1,416	1,579	1,729	1,799	1,787	2,152	2,491	2,325	2,380	2,301	2,411	
- Civil	30.4%	32.6%	32.4%	32.8%	33.9%	31.6%	30.1%	33.7%	34.8%	39.8%	42.2%	38.0%	34.5%	39.9%	31.6%	34.6%
- Probate	23.0%	24.4%	20.5%	17.3%	18.5%	15.8%	14.5%	13.9%	14.8%	13.7%	11.8%	13.6%	12.6%	13.5%	14.8%	16.2%
- Guardianship	5.2%	6.3%	3.9%	4.0%	4.1%	2.3%	1.8%	3.0%	1.9%	1.6%	2.1%	2.3%	2.5%	3.7%	2.6%	3.2%
- Miscellaneous	14.1%	16.7%	18.2%	15.1%	10.7%	17.7%	13.6%	18.4%	14.2%	14.1%	9.6%	8.3%	17.4%	6.7%	12.5%	13.8%
- Criminal Actions	22.3%	15.2%	17.6%	21.3%	21.2%	21.7%	29.1%	19.6%	19.0%	18.8%	21.7%	22.1%	17.8%	23.2%	23.8%	21.0%
- Supplemental	5.0%	4.8%	7.3%	9.5%	11.7%	11.0%	10.8%	11.4%	15.4%	12.0%	12.6%	15.7%	15.2%	13.0%	14.6%	11.3%
<b>TOTAL</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 14**  
**Third Circuit - Circuit Court Filing Projections, 1990-2005**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Circuit Court Filings	985	1,052	1,348	1,362	1,416	1,579	1,729	1,799	1,787	2,152	2,491	2,325	2,380	2,301	2,411
Filings Per 1,000 Pop.	13.33	14.22	17.42	16.88	17.10	18.38	19.34	19.34	18.42	21.48	24.18	21.69	21.74	20.48	20.86
Hawaii County Population	73,900	74,000	77,400	80,700	82,800	85,900	89,400	93,000	97,000	100,200	103,000	107,200	109,500	112,380	115,560

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Circuit Court Filings	1,426	102	144.8%	10.3%	1,808
Filings Per 1,000 Pop.	7.53	0.54	56.5%	4.0%	18.99

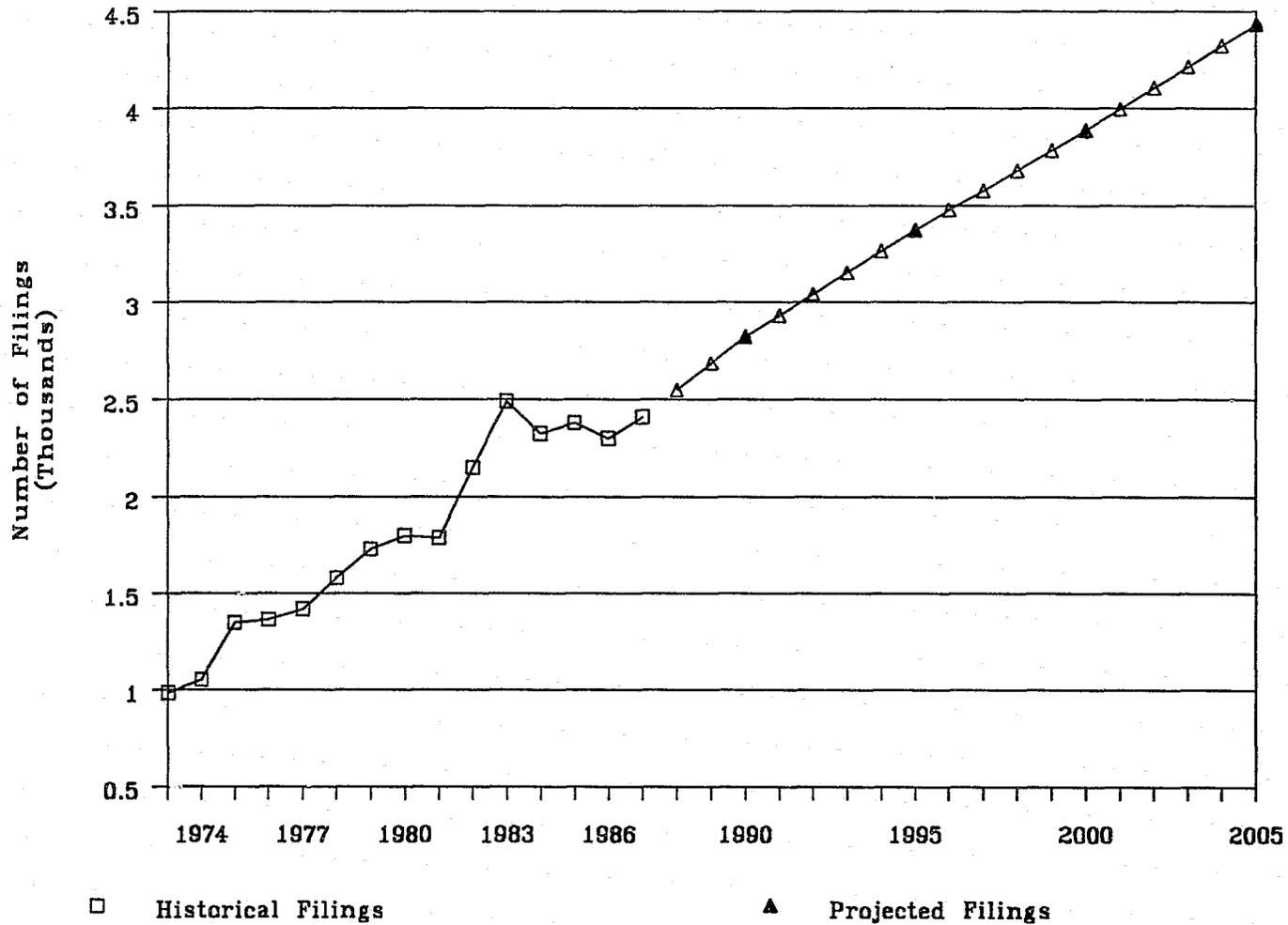
PROJECTED POPULATION	1990	1995	2000	2005
Hawaii County	125,100	141,100	155,200	170,800

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 10.3%/year from 2,411 base	3,156	4,398	5,639	6,881	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-74 to Avg. 1982-87 = 13.78-21.74 = 7.96 = 0.57/year from 20.86 base	2,824	3,587	4,388	5,315
2) ACTUAL NUMBER INCREASE = 102/year from 2,411 base	2,717	3,227	3,737	4,247		22.57	25.42	28.27	31.12
3) INC. # RATIO TO POPULATION = 0.54/year from 20.86 base	2,812	3,553	4,327	5,223	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-74 to Avg. 1982-87 Actual # = 2,343-1,019 = 1,324; Pop. = 107,973-73,950 = 34,023; Ratio = 1,324:34,023 = 0.0389	Formula: Future population - 1987 population = x; x * 0.0389 + 2,411 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-74 to Avg. 1982-87 = 1,019-2,343 = 129.9% = 9.3%/year from 2,411 base	22.48	25.18	27.88	30.58		2,782	3,405	3,953	4,560
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-74 to Avg. 1982-87 = 94.5/year from 2,411 base	3,084	4,205	5,326	6,447	9) LINEAR REGRESSION (Least Squares Analysis)	2,912	3,464	4,016	4,568
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-74 to Avg. 1982-87 = 13.78-21.74 = 57.8% = 4.12%/year from 20.86 base	2,695	3,167	3,640	4,112	10) MULTIPLE REGRESSION Formula = -1,433 + .03467(Pop) Correlation = .929	2,904	3,459	3,947	4,488
	2,932	3,913	4,971	6,205	RECOMMENDED FORECAST ==>				
	23.44	27.74	32.03	36.33	AVERAGE MODELS 5,8,9,10	2,823	3,374	3,887	4,432

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 14: CIRCUIT COURT FILINGS

HAWAII - THIRD CIRCUIT, 1973-2005



**CIRCUIT COURT FILING FORECASTS****Fifth Circuit Forecast**

Tables 15, 16, and 17 present the Circuit Court filing forecasts for the Fifth Circuit.

Table 15 shows that over the 14-year period, Fifth Circuit filings have grown from 323 in 1973 to 785 in 1987. The growth trend seems to occur in spurts, with an increase in filings one year, followed by two or three years of decrease, followed by another increase. The peak year has been 1984 in which there were 906 circuit court filings. Most of the growth can be attributed to criminal actions and civil cases.

The projections for the Fifth Circuit can be found in Table 17. The six models selected for averaging grouped together in a range of 1,541 to 1,868. This produced a recommended forecast of approximately 1,715 filings for the year 2005.

**Table 15**  
**Fifth Circuit - Circuit Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	323	483	462	385	588	498	467	582	750	842	695	906	756	847	785	
- Civil	104	109	137	147	121	104	158	140	231	326	239	240	204	246	252	
- Probate	67	86	77	64	69	50	40	61	66	71	86	93	73	58	91	
- Guardianship	24	14	10	21	11	21	13	20	14	24	23	16	25	28	21	
- Miscellaneous	68	122	132	61	229	134	139	176	161	100	82	238	166	235	131	
- Criminal Actions	37	128	84	68	137	162	85	143	221	267	222	239	220	257	283	
- Supplemental	23	24	22	24	21	27	32	42	57	54	43	80	68	23	7	
Total Terminations	395	355	455	347	498	584	413	502	562	688	646	805	677	759	637	555
Pending at End	455	583	590	628	718	632	686	766	954	1,108	1,157	1,258	1,337	1,425	1,573	925
Disposition Rate	122%	73%	98%	90%	85%	117%	88%	86%	75%	82%	93%	89%	90%	90%	81%	91%
Number of FTE Judges	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Filings Per Judge	323	483	462	385	588	498	467	582	750	842	695	906	756	847	785	625
Terminations Per Judge	395	355	455	347	498	584	413	502	562	688	646	805	677	759	637	555
Judges Per 100,000 Pop.	3.04	3.07	2.99	2.87	2.82	2.72	2.62	2.54	2.46	2.39	2.32	2.26	2.20	2.14	2.09	2.57
Filings Per 1,000 Pop.	9.82	14.82	13.83	11.03	16.56	13.53	12.26	14.77	18.47	20.10	16.13	20.50	16.65	18.14	16.37	15.53
Kauai County Population	32,900	32,600	33,400	34,900	35,500	36,800	38,100	39,400	40,600	41,900	43,100	44,200	45,400	46,680	47,960	

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 16**  
**Fifth Circuit - Circuit Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	323	483	462	385	588	498	467	582	750	842	695	906	756	847	785	
- Civil	32.2%	22.6%	29.7%	38.2%	20.6%	20.9%	33.8%	24.1%	30.8%	38.7%	34.4%	26.5%	27.0%	29.0%	32.1%	29.4%
- Probate	20.7%	17.8%	16.7%	16.6%	11.7%	10.0%	8.6%	10.5%	8.8%	8.4%	12.4%	10.3%	9.7%	6.8%	11.6%	12.0%
- Guardianship	7.4%	2.9%	2.2%	5.5%	1.9%	4.2%	2.8%	3.4%	1.9%	2.9%	3.3%	1.8%	3.3%	3.3%	2.7%	3.3%
- Miscellaneous	21.1%	25.3%	28.6%	15.8%	38.9%	26.9%	29.8%	30.2%	21.5%	11.9%	11.8%	26.3%	22.0%	27.7%	16.7%	23.6%
- Criminal Actions	11.5%	26.5%	18.2%	17.7%	23.3%	32.5%	18.2%	24.6%	29.5%	31.7%	31.9%	26.4%	29.1%	30.3%	36.1%	25.8%
- Supplemental	7.1%	5.0%	4.8%	6.2%	3.6%	5.4%	6.9%	7.2%	7.6%	6.4%	6.2%	8.8%	9.0%	2.7%	0.9%	5.9%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 17**  
**Fifth Circuit - Circuit Court Filing Projections, 1990-2005**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Circuit Court Filings	323	483	462	385	588	498	467	582	750	842	695	906	756	847	785
Filings Per 1,000 Pop.	9.82	14.82	13.83	11.03	16.56	13.53	12.26	14.77	18.47	20.10	16.13	20.50	16.65	18.14	16.37
Kauai County Population	32,900	32,600	33,400	34,900	35,500	36,800	38,100	39,400	40,600	41,900	43,100	44,200	45,400	46,680	47,960

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Circuit Court Filings	462	33	143.0%	10.2%	625
Filings Per 1,000 Pop.	6.55	0.47	66.7%	4.8%	15.53

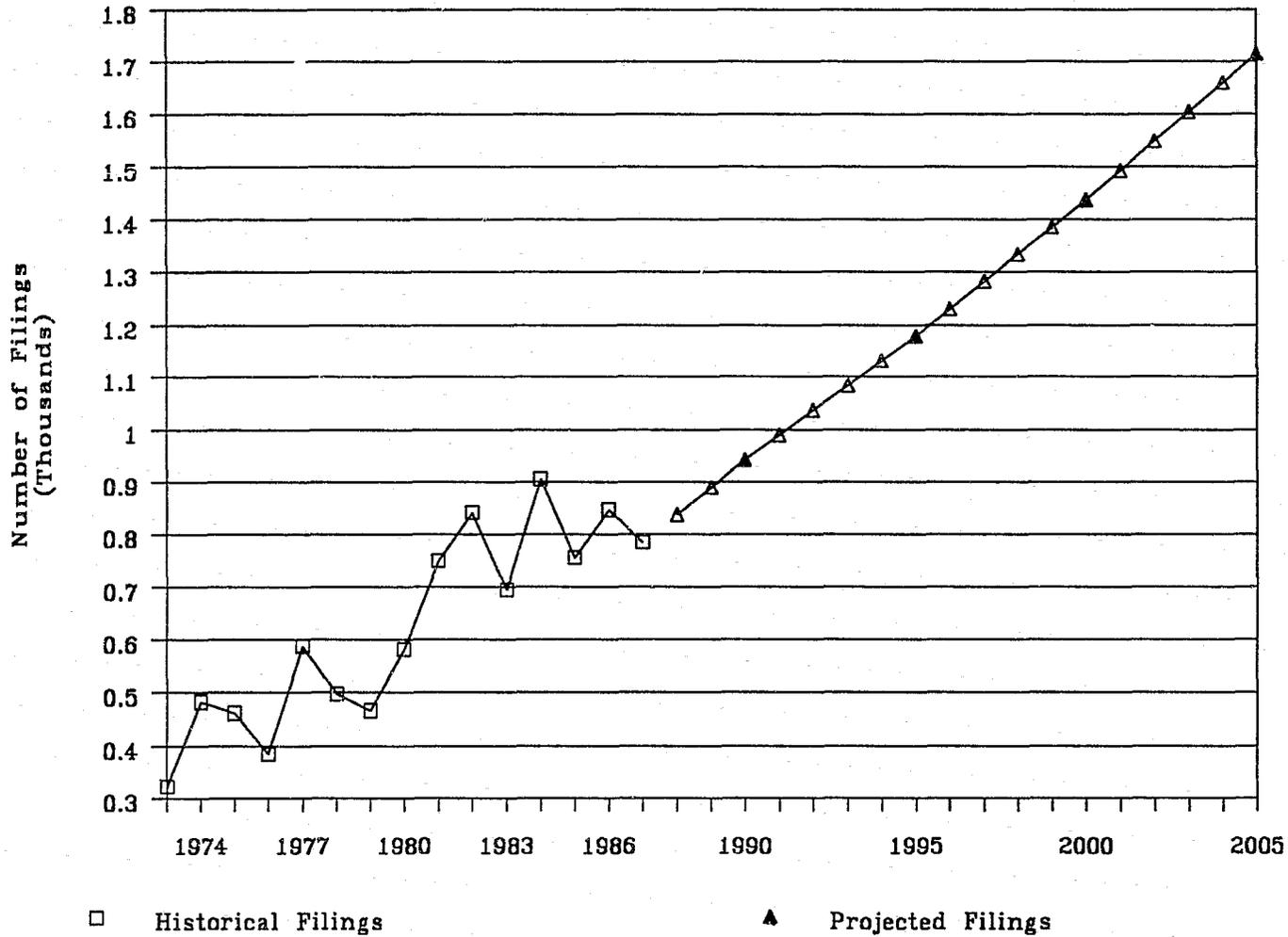
PROJECTED POPULATION	1990	1995	2000	2005
Kauai County	51,800	59,500	67,900	76,800

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 10.2%/year from 785 base	1,025	1,426	1,826	2,226	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-76 to Avg. 1985-87 = 12.38-17.05 = 4.67 = 0.33/year from 16.37 base	899	1,131	1,403	1,713
2) ACTUAL NUMBER INCREASE = 33/year from 785 base	884	1,049	1,214	1,379	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-76 to Avg. 1985-87 Actual # = 796-413 = 383; Pop. = 46,060-33,450 = 12,610; Ratio = 383:12,610 = 0.03037	17.36	19.01	20.66	22.31
3) INC. # RATIO TO POPULATION = 0.47/year from 16.37	921	1,198	1,526	1,907	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 0.03037 + 785 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-76 to Avg. 1985-87 = 413-796 = 92.7% = 6.6%/year from 785 base	17.78	20.13	22.48	24.83	10) MULTIPLE REGRESSION Formula = -615 + .03133(Pop) Correlation = .769	902	1,135	1,391	1,661
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-76 to Avg. 1985-87 = 27.4/year from 785 base	940	1,199	1,459	1,718	RECOMMENDED FORECAST →	991	1,174	1,358	1,541
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-76 to Avg. 1985-87 = 12.38-17.05 = 37.7% = 2.7%/year from 16.37 base	867	1,004	1,141	1,278	AVERAGE MODELS 4,6,7,8,9,10	1,008	1,249	1,512	1,791
	917	1,184	1,502	1,868		943	1,179	1,437	1,715
	17.70	19.91	22.12	24.33					

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 17: CIRCUIT COURT FILINGS

HAWAII - FIFTH CIRCUIT, 1973-2005



## **Circuit Court Judgeship Forecasts**

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**CIRCUIT COURT JUDGESHIP FORECASTS****Statewide Forecast**

Tables 18 and 19 present the Circuit Court judgeship forecasts for the State of Hawaii.

Table 18 summarizes the historical judgeship data for the state from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Judgeships are broken down in the following manner: (1) Statutory judgeships which have increased from 14 to 23; (2) Assigned District Court judgeships of the First Circuit which currently total four judges; (3) Circuit Court judgeships of the Third Circuit which devote a quantifiable portion of time to Family Court cases (This quantification was possible due to an earlier published report on the Hilo Court Facility); and (4) Total Circuit and District Judges which include the statutory and assigned judges, but exclude the Third Circuit Judges as this is the total number of judges currently hearing Circuit Court cases. Total judges hearing Circuit Court cases have increased from 13.90 to 26.75 over the 14-year period.

Filings and terminations per judge were calculated using two methods. The first based caseload on the number of statutory judgeships only. The second method based caseload on the total Circuit and District judges hearing Circuit Court cases. The average number of terminations per judge for the 14-year period differed by only 27 cases for the two groups: 584 terminations per statutory judge, versus 557 terminations per FTE judge. The historical growth and termination rates of statutory judgeships were used in Table 19 to forecast future judgeships.

Table 19 presents the judgeship projections for the Circuit Court.

Model 1, the actual number increase, projects future judgeships based on past growth. The rate of change in the past has averaged an additional 0.64 judgeships per year, and should this trend continue, there would be 34.5 judgeships by the year 2005.

**CIRCUIT COURT JUDGESHIP FORECASTS**

Model 2 projects future judgeships based on a ratio to the state population. The average ratio for the period was 1.99 judges for every 100,000 persons, and should this ratio continue, a forecast of 27.1 judges would be expected by 2005. Model 3 is a caseload model in which terminations per judge are measured against projected case filings to determine the required number of judgeships. Model 3A uses an average termination rate for the period of 584 terminations per judge, which means almost 39 judges would be required to meet the projected caseload. Model 3B uses the highest termination rate of the period, 1984, when there were 938 terminations per judge, and if this level can be maintained, 24.2 judgeships would be required in 2005. Finally, Model 3C utilizes an increasing termination rate, assuming that with greater system efficiencies and technological advances to expand productivity, terminations per judge will increase at an average rate of 15 cases per year. This new termination rate translates into the need for 27 Circuit Court judges in the year 2005.

The recommended forecast for the state was Model 3C, projecting a need for judgeships to grow from the present level of 23, to a level of 27 in 2005.

**Table 18**  
**All Circuits - Circuit Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	8,835	9,324	9,654	9,769	10,188	10,074	11,291	11,997	12,591	15,182	17,086	14,453	14,633	14,297	13,326	
Total Terminations	9,323	7,686	9,334	8,094	8,626	9,151	8,744	10,581	8,778	9,882	10,304	21,573	13,248	13,467	10,604	10,626
Pending At End	13,463	15,101	15,421	17,096	18,658	19,581	22,128	23,544	27,357	32,657	39,439	30,449	31,689	32,518	34,910	24,934
Disposition Rate	106%	82%	97%	83%	85%	91%	77%	88%	70%	65%	60%	149%	91%	94%	80%	88%
Judgeships:																
— Statutory (1)	14.00	14.00	15.00	15.00	16.00	16.00	16.00	18.00	18.00	18.00	19.00	23.00	23.00	23.00	23.00	
— (+) Assigned District (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	4.00	4.00	4.00	4.00	
— (-) Third Circuit (3)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.25	
Circuit and District Judges:	13.90	13.90	14.90	14.90	15.90	15.90	15.90	17.85	17.85	17.85	22.85	26.80	26.80	26.80	26.75	
Statutory Circuit Judges (4):																
— Filings per Judge	631	666	644	651	637	630	706	667	700	843	899	628	636	622	579	676
— Terminations per Judge	666	549	622	540	539	572	547	588	488	549	542	938	576	586	461	584
Circuit and District Judges:																
— Filings per Judge	636	671	648	656	641	634	710	672	705	851	748	539	546	533	498	646
— Terminations per Judge	671	553	626	543	543	576	550	593	492	554	451	805	494	503	396	557

**Notes:**

- (1) The number of statutory judgeships was used in calculating projected judgeships.
- (2) From 1983 to 1987, the number of Circuit Court judges included assigned District Court Judges from the First Circuit. Three District Court judges heard cases, plus an additional judge who substituted during vacations, sick leaves, and training sessions. Beginning in 1988, a Family Court judge was also assigned Circuit cases.
- (3) In the Third Circuit, Circuit Court judges account for a substantial and quantifiable proportion of Family Court cases.
- (4) Statutory Circuit Judges: Filings and terminations per judge computed without the assigned District Court judges, but with the Third Circuit Court judges used in the Family Court. This number was used in forecasting projected judgeships.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 19  
All Circuits - Circuit Court Judgeship Projections, 1990-2005**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Circuit Court Filings	8,835	9,324	9,654	9,769	10,188	10,074	11,291	11,997	12,591	15,182	17,086	14,453	14,633	14,297	13,326
Circuit Court Terminations	9,323	7,686	9,334	8,094	8,626	9,151	8,744	10,581	8,778	9,882	10,304	21,573	13,248	13,467	10,604
Disposition Rate	106%	82%	97%	83%	85%	91%	77%	88%	70%	65%	60%	149%	91%	94%	80%
Pending at End	13,463	15,101	15,421	17,096	18,658	19,581	22,128	23,544	27,357	32,657	39,439	30,449	31,689	32,518	34,910
Number of FTE Judges	13.90	13.90	14.90	14.90	15.90	15.90	15.90	17.85	17.85	17.85	22.85	26.80	26.80	26.80	26.75
Judges per 100,000 Pop.	1.63	1.60	1.68	1.65	1.73	1.71	1.67	1.84	1.82	1.79	2.24	2.58	2.55	2.51	2.46
Filings Per Judge	636	671	648	656	641	634	710	672	705	851	748	539	546	533	498
Terminations Per Judge	671	553	626	543	543	576	550	593	492	554	451	805	494	503	396

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	12.85	0.92	92.4%	6.6%	
Judges per 100,000 Pop.	0.83	0.06	50.6%	3.6%	1.99
Terminations Per Judge	-274	-20	-40.9%	-2.9%	557

PROJECTIONS	1990	1995	2000	2005
	State of Hawaii Population	1142500	1228900	1294200
Circuit Court Filings	15,701	18,127	20,375	22,676

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.64/year from 23.0 base	24.9	28.1	31.3	34.5	<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Average 1973-1987 = 584 terms./judge  B) High Termination Rate: 1984 = 938 terminations per judge  C) Increasing Termination Rate: Increase 15 terminations per year from 640 base (Avg. 1984-87)	26.9	31.0	34.9	38.8
<b>2) AVERAGE RATIO TO POPULATION</b> = 1973-87 = 1.99	22.7	24.5	25.8	27.1		16.7	19.3	21.7	24.2
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.	1.99	1.99	1.99	1.99		23.4	24.8	25.8	26.7
					<b>RECOMMENDED FORECAST →</b>  <b>AVERAGE MODELS 2 AND 3C</b>	670	730	790	850
						23.1	24.6	25.8	27.0

Source: Carter Goble Associates, Inc., May 1988.

**CIRCUIT COURT JUDGESHIP FORECASTS**

**First Circuit Forecast**

Tables 20 and 21 present the Circuit Court judgeship forecasts for the First Circuit.

As with the Statewide Table 18, Table 20 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Judgeships are broken down in the following manner: (1) Statutory judgeships which have increased from 10 to 16; (2) Assigned District Court judgeships of the First Circuit which have totaled four judges; and (3) Total Full-time Equivalency (FTE) Judges, which include the statutory and assigned judges, and which have increased from 10 to 20.

Filings and terminations per judge were determined for statutory judges, and also for the total FTE judges hearing Circuit Court cases. The historical growth and termination rates of statutory judgeships were used in Table 21 to forecast future judgeships.

Table 21 presents the judgeship projections for the Circuit Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the First Circuit was Model 3C, projecting a need for judgeships to increase from the present level of 16.0, to a level of 17.6 in 2005.

**Table 20**  
**First Circuit - Circuit Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	6,656	6,971	6,982	7,190	6,910	6,941	7,851	8,010	8,413	10,315	12,145	9,578	9,581	9,266	8,397	
Total Terminations	7,035	5,613	6,908	5,821	5,870	6,415	6,072	6,912	5,647	6,280	6,545	16,352	8,056	8,317	6,318	7,211
Pending at End	10,456	11,814	11,888	13,257	14,297	14,823	16,602	17,700	20,466	24,501	30,101	21,457	22,837	23,785	25,534	18,635
Disposition Rate	106%	81%	99%	81%	85%	92%	77%	86%	67%	61%	54%	171%	84%	90%	75%	87%
Judgeships:																
- Statutory (1)	10	10	11	11	11	11	11	13	13	13	14	16	16	16	16	
- (+) Assigned District (2)	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	
Total FTE Judges:	10	10	11	11	11	11	11	13	13	13	18	20	20	20	20	
Statutory Judgeships (3):																
- Filings per Judge	666	697	635	654	628	631	714	616	647	793	868	599	599	579	525	657
- Terminations per Judge	704	561	628	529	534	583	552	532	434	483	468	1,022	504	520	395	563
Total FTE Judgeships:																
- Filings per Judge	666	697	635	654	628	631	714	616	647	793	675	479	479	463	420	613
- Terminations per Judge	704	561	628	529	534	583	552	532	434	483	364	818	403	416	316	524

Notes:

- (1) The number of statutory judgeships was used in calculating projected judgeships.
- (2) From 1983-87, three District Court judges were assigned to hear Circuit Court cases. In addition, one District Court judge substituted during vacations, sick leave, and training sessions. Beginning in 1988, one Family Court judge is also assigned to Circuit Court cases.
- (3) Statutory Judgeships: Filings and terminations per judge computed without the assigned District Court judges.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 21**  
**First Circuit - Circuit Court Judgeship Projections, 1990-2005**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Circuit Court Filings	6,656	6,971	6,982	7,190	6,910	6,941	7,851	8,010	8,413	10,315	12,145	9,578	9,581	9,266	8,397
Circuit Court Terminations	7,035	5,613	6,908	5,821	5,870	6,415	6,072	6,912	5,647	6,280	6,545	16,352	8,056	8,317	6,318
Disposition Rate	106%	81%	99%	81%	85%	92%	77%	86%	67%	61%	54%	171%	84%	90%	75%
Pending at End	10,456	11,814	11,888	13,257	14,297	14,823	16,602	17,700	20,466	24,501	30,101	21,457	22,837	23,785	25,534
Number of FTE Judges	10	10	11	11	11	11	11	13	13	13	18	20	20	20	20
Judges per 100,000 Pop.	1.45	1.41	1.53	1.51	1.49	1.48	1.46	1.70	1.69	1.67	2.27	2.49	2.46	2.43	2.40
Filings Per Judge	666	697	635	654	628	631	714	616	647	793	675	479	479	463	420
Terminations Per Judge	704	561	628	529	534	583	552	532	434	483	364	818	403	416	316

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	10.00	0.71	100.0%	7.1%	
Judges per 100,000 Pop.	0.95	0.068	65.9%	4.7%	1.86
Terminations Per Judge	-388	-28	-55.1%	-3.9%	521

PROJECTIONS	1990	1995	2000	2005
	Honolulu County Population	867,100	915,900	945,400
Circuit Court Filings	9,504	10,538	11,411	12,299

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.43/year from 16.0 base					<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Average 1973-1987 = 563 terms./judge  B) High Termination Rate: 1984 = 1,022 terminations per judge  C) Increasing Termination Rate: Increase 7 terminations per year from 600 base (Avg. 1984-87)				
	17.3	19.4	21.6	23.7		16.9	18.7	20.3	21.8
<b>2) AVERAGE RATIO TO POPULATION</b> = 1973-87 = 1.86	16.1	17.0	17.6	18.1		9.3	10.3	11.2	12.0
	1.86	1.86	1.86	1.86	16.0	16.7	17.2	17.6	
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.					595	630	665	700	
					<b>RECOMMENDED FORECAST</b> →				
					<b>MODEL 3C</b>	16.0	16.7	17.2	17.6

Source: Carter Goble Associates, Inc., May 1988.

**CIRCUIT COURT JUDGESHIP FORECASTS**

**Second Circuit Forecast**

Tables 22 and 23 present the Circuit Court judgeship forecasts for the Second Circuit.

Table 22 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Judgeships in the Second Circuit have increased from 1 to 3. The average number of terminations per judge for the period was 642.

Table 23 presents the judgeship projections for the Circuit Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the Second Circuit was Model 3C, projecting a need for judgeships to increase from the 1987 level of 3.0, to a level of 3.6 in 2005.

**Table 22**  
**Second Circuit - Circuit Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	871	818	862	832	1,274	1,056	1,244	1,606	1,641	1,873	1,755	1,644	1,916	1,883	1,733	
Total Terminations	903	786	719	718	1,060	904	908	1,339	1,066	1,306	1,297	1,654	2,240	2,198	1,602	1,247
Pending at End	1,126	1,158	1,301	1,415	1,629	1,781	2,117	2,384	2,959	3,526	3,984	3,974	3,650	3,335	3,466	2,520
Disposition Rate	104%	96%	83%	86%	83%	86%	73%	83%	65%	70%	74%	101%	117%	117%	92%	89%
Judgeships:																
- Statutory	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	
- Per Diem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total FTE Judges:	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	
Statutory Judgeships:																
- Filings per Judge	871	818	862	832	637	528	622	803	821	937	878	548	639	628	578	733
- Terminations per Judge	903	786	719	718	530	452	454	670	533	653	649	551	747	733	534	642
Total FTE Judgeships:																
- Filings per Judge	871	818	862	832	637	528	622	803	821	937	878	548	639	628	578	733
- Terminations per Judge	903	786	719	718	530	452	454	670	533	653	649	551	747	733	534	642

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 23**  
**Second Circuit - Circuit Court Judgeship Projections, 1990-2005**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Circuit Court Filings	871	818	862	832	1,274	1,056	1,244	1,606	1,641	1,873	1,755	1,644	1,916	1,883	1,733
Circuit Court Terminations	903	786	719	718	1,060	904	908	1,339	1,066	1,306	1,297	1,654	2,240	2,198	1,602
Disposition Rate	104%	96%	83%	86%	83%	86%	73%	83%	65%	70%	74%	101%	117%	117%	92%
Pending at End	1,126	1,158	1,301	1,415	1,629	1,781	2,117	2,384	2,959	3,526	3,984	3,974	3,650	3,335	3,466
<b>Number of FTE Judges</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>						
Judges per 100,000 Pop.	1.87	1.86	1.76	1.66	3.17	3.02	2.87	2.79	2.70	2.60	2.50	3.59	3.51	3.41	3.31
Filings Per Judge	871	818	862	832	637	528	622	803	821	937	878	548	639	628	578
Terminations Per Judge	903	786	719	718	530	452	454	670	533	653	649	551	747	733	534

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	2.00	0.14	200.0%	14.3%	
Judges per 100,000 Pop.	1.44	0.10	76.8%	5.5%	2.61
Terminations Per Judge	-369	-26	-40.9%	-2.9%	643

PROJECTIONS	1990	1995	2000	2005
	Maui County Population	98,300	112,500	125,700
Circuit Court Filings	2,088	2,586	3,086	3,569

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.14/year from 3.0 base									
	3.4	4.1	4.8	5.5					
<b>2) AVERAGE RATIO TO POPULATION</b> = 1984-87 = 3.46	3.4	3.9	4.3	4.7					
	3.46	3.46	3.46	3.46					
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.					<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Average 1973-1987 = 643 terms./judge	3.2	4.0	4.8	5.6
					B) High Termination Rate: 1973 = 903 terminations per judge	2.3	2.9	3.4	4.0
					C) Increasing Termination Rate: Increase 15 terminations per year from 671 base (Avg. 1985-87)	3.0	3.3	3.5	3.6
					from 671 base (Avg. 1985-87)	700	795	890	985
					<b>RECOMMENDED FORECAST ==&gt;</b>  <b>MODEL 3C</b>	3.0	3.3	3.5	3.6

Source: Carter Goble Associates, Inc., May 1988.

**CIRCUIT COURT JUDGESHIP FORECASTS**

**Third Circuit Forecast**

Tables 24 and 25 present the Circuit Court judgeship forecasts for the Third Circuit.

Table 24 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Judgeships are broken down in the following manner: (1) Statutory judgeships which have increased from 2 to 3; (2) Circuit Court judges assigned to Family Court cases, 0.10 to 0.25; and (3) Total Full-time Equivalency (FTE) Judges which include the statutory, but exclude the judge time assigned to Family Court, a period increase of 1.90 to 2.75.

Filings and terminations per judge were determined for statutory judges, and also for the total FTE judges hearing Circuit Court cases. The historical growth and termination rates of statutory judgeships were used in Table 25 to forecast future judgeships.

Table 25 presents the judgeship projections for the Circuit Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the Third Circuit was Model 3C, projecting a need for judgeships to grow from the present level of 3.0, to a level of 3.9 in 2005.

**Table 24**  
**Third Circuit - Circuit Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	985	1,052	1,348	1,362	1,416	1,579	1,729	1,799	1,787	2,152	2,491	2,325	2,380	2,301	2,411	
Total Terminations	990	932	1,252	1,208	1,198	1,248	1,351	1,828	1,503	1,608	1,816	2,762	2,275	2,193	2,047	1,614
Pending at End	1,426	1,546	1,642	1,796	2,014	2,345	2,723	2,649	2,978	3,522	4,197	3,760	3,865	3,973	4,337	2,852
Disposition Rate	101%	89%	93%	89%	85%	79%	78%	102%	84%	75%	73%	119%	96%	95%	85%	89%
Judgeships:																
— Statutory	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00	3.00	
— (+) Per Diem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
— (-) Assigned to Family Ct. (1)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.25	
Total FTE Judges:	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.85	1.85	1.85	1.85	2.80	2.80	2.80	2.75	
Statutory Judgeships (2):																
— Filings per Judge	493	526	674	681	708	790	865	900	894	1,076	1,246	775	793	767	804	799
— Terminations per Judge	495	466	626	604	599	624	676	914	752	804	908	921	758	731	682	704
Total FTE Judgeships:																
— Filings per Judge	518	554	709	717	745	831	910	972	966	1,163	1,346	830	850	822	877	854
— Terminations per Judge	521	491	659	636	631	657	711	988	812	869	982	986	813	783	744	752

Notes:

(1) In the Third Circuit, Circuit Court and District Court judges heard a quantifiable proportion of Family Court cases. The total number of Circuit Court judges was computed excluding Family Court time.

(2) Judgeship forecasts for the Third Circuit are based on the re-allocation of the Family Court judgeship to Circuit Court cases only, that is, on statutory judgeships alone.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 25**  
**Third Circuit - Circuit Court Judgeship Projections, 1990-2005**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Circuit Court Filings	985	1,052	1,348	1,362	1,416	1,579	1,729	1,799	1,787	2,152	2,491	2,325	2,380	2,301	2,411
Circuit Court Terminations	990	932	1,252	1,208	1,198	1,248	1,351	1,828	1,503	1,608	1,816	2,762	2,275	2,193	2,047
Disposition Rate	101%	89%	93%	89%	85%	79%	78%	102%	84%	75%	73%	119%	96%	95%	85%
Pending at End	1,426	1,546	1,642	1,796	2,014	2,345	2,723	2,649	2,978	3,522	4,197	3,760	3,865	3,973	4,337
Number of FTE Judges	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.85	1.85	2.85	2.85	2.80	2.80	2.80	2.75
Judges per 100,000 Pop.	2.61	2.52	2.43	2.35	2.26	2.19	2.11	1.99	1.93	2.87	2.78	2.65	2.57	2.50	2.40
Filings Per Judge	518	554	709	717	745	831	910	972	966	755	874	830	850	822	877
Terminations Per Judge	521	491	659	636	631	657	711	988	812	564	637	986	813	783	744

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	0.85	0.06	44.7%	3.2%	
Judges per 100,000 Pop.	-0.21	-0.02	-8.2%	-0.6%	2.41
Terminations Per Judge	223	16	42.9%	3.1%	709

PROJECTIONS	1990	1995	2000	2005
	Hawaii County Population	125,100	141,100	155,200
Circuit Court Filings	2,819	3,348	3,844	4,278

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.07/year from 3.0 base	3.2	3.6	3.9	4.3	<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Average 1973-1987 = 704 terms./judge  B) High Termination Rate: 1984 = 921 terminations per judge  C) Increasing Termination Rate: Increase 15 terminations per year from 809 base (Avg. 1980-87)	4.0	4.8	5.5	6.1
<b>2) AVERAGE RATIO TO POPULATION</b> = 1973-87 = 2.41	3.0	3.4	3.7	4.1		3.1	3.6	4.2	4.6
	2.41	2.41	2.41	2.41		3.2	3.5	3.8	3.9
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judges only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.					<b>RECOMMENDED FORECAST</b> →  <b>MODEL 3C</b>	<b>3.2</b>	<b>3.5</b>	<b>3.8</b>	<b>3.9</b>

Source: Carter Goble Associates, Inc., May 1988.

**CIRCUIT COURT JUDGESHIP FORECASTS**

**Fifth Circuit Forecast**

Tables 26 and 27 present the Circuit Court judgeship forecasts for the Fifth Circuit.

Table 26 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Judgeships in the Fifth Circuit have maintained at a level of 1.0. The average number of terminations per judge for the period was 555.

Table 27 presents the judgeship projections for the Circuit Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the Fifth Circuit was Model 3C, projecting a need for judgeships to increase from the 1987 level of 1.0, to a level of 1.6 in 2005.

**Table 26**  
**Fifth Circuit - Circuit Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Circuit Filings	323	483	462	385	588	498	467	582	750	842	695	906	756	847	785	
Total Terminations	395	355	455	347	498	584	413	502	562	688	646	805	677	759	637	555
Pending at End	455	583	590	628	718	632	686	766	954	1,108	1,157	1,258	1,337	1,425	1,573	925
Disposition Rate	122%	73%	98%	90%	85%	117%	88%	86%	75%	82%	93%	89%	90%	90%	81%	91%
Judgeships:																
-- Statutory	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
-- Per Diem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total FTE Judges:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Statutory Judgeships:																
-- Filings per Judge	323	483	462	385	588	498	467	582	750	842	695	906	756	847	785	625
-- Terminations per Judge	395	355	455	347	498	584	413	502	562	688	646	805	677	759	637	555
Total FTE Judgeships:																
-- Filings per Judge	323	483	462	385	588	498	467	582	750	842	695	906	756	847	785	625
-- Terminations per Judge	395	355	455	347	498	584	413	502	562	688	646	805	677	759	637	555

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 27**  
**Fifth Circuit - Circuit Court Judgeship Projections, 1990-2005**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Circuit Court Filings	323	483	462	385	588	498	467	582	750	842	695	906	756	847	785
Circuit Court Terminations	395	355	455	347	498	584	413	502	562	688	646	805	677	759	637
Disposition Rate	122%	73%	98%	90%	85%	117%	88%	86%	75%	82%	93%	89%	90%	90%	81%
Pending at End	455	583	590	628	718	632	686	766	954	1,108	1,157	1,258	1,337	1,425	1,573
Number of FTE Judges	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Judges per 100,000 Pop.	3.04	3.07	2.99	2.87	2.82	2.72	2.62	2.54	2.46	2.39	2.32	2.26	2.20	2.14	2.09
Filings Per Judge	323	483	462	385	588	498	467	582	750	842	695	906	756	847	785
Terminations Per Judge	395	355	455	347	498	584	413	502	562	688	646	805	677	759	637

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	0.00	0.00	0.0%	0.0%	
Judges per 100,000 Pop.	-0.95	-0.068	-31.4%	-2.2%	2.53
Terminations Per Judge	242	17	61.3%	4.4%	569

PROJECTIONS	1990	1995	2000	2005
	Kauai County Population	51,800	59,500	67,900
Circuit Court Filings	943	1,179	1,437	1,715

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.00/year from 1.0 base	1.0	1.0	1.0	1.0	<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Average 1984-1987 = 720 terms./judge  B) High Termination Rate: 1984 = 805 terminations per judge  C) Increasing Termination Rate: Increase 20 terminations per year from 698 base (Avg. 1986-87)	1.3	1.6	2.0	2.4
<b>2) LOW RATIO TO POPULATION</b> = 1987 = 2.09	1.1 2.09	1.2 2.09	1.4 2.09	1.6 2.09		1.2	1.5	1.8	2.1
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.						1.2	1.4	1.5	1.6
					<b>RECOMMENDED FORECAST ==&gt;</b>				
					<b>MODEL 3C</b>	1.2	1.4	1.5	1.6

Source: Carter Goble Associates, Inc., May 1988.

FAMILY COURT

4

**FAMILY COURT****FAMILY COURT**

Family Courts have exclusive original jurisdiction in issues involving children, family, and domestic matters. The Family Courts direct trials for juvenile criminal offenders, and administer hearings for domestic situations and marital actions. Cases may include truancy and educational neglect, abandonment, spouse and child abuse, divorce, custody, and paternity suits. Family Court was developed to recognize the rights and welfare of children; to assist in the resolution of conflicts and problems; and to preserve family unity.

Tables 1 and 2 present summaries of the Family Court filing and judgeship forecasts for the State and all Circuits.

**Table 1**  
**Hawaii Judicial System**  
**Summary of Family Court Filing and Judgeship Forecasts, 1990-2005**

<i>FILINGS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit Family Court</i>	<i>26,544</i>	<i>30,687</i>	<i>37,710</i>	<i>44,569</i>	<i>51,610</i>
<i>Second Circuit Family Court</i>	<i>3,418</i>	<i>5,094</i>	<i>6,446</i>	<i>7,824</i>	<i>9,196</i>
<i>Third Circuit Family Court</i>	<i>5,598</i>	<i>6,563</i>	<i>8,285</i>	<i>10,031</i>	<i>11,989</i>
<i>Fifth Circuit Family Court</i>	<i>2,079</i>	<i>3,357</i>	<i>4,633</i>	<i>5,979</i>	<i>7,391</i>
<b><i>Total: All Circuits</i></b>	<b><i>37,639</i></b>	<b><i>44,429</i></b>	<b><i>56,157</i></b>	<b><i>67,940</i></b>	<b><i>80,188</i></b>
<i>JUDGESHIPS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit Family Court</i>	<i>9.0</i>	<i>9.2</i>	<i>10.4</i>	<i>11.4</i>	<i>12.2</i>
<i>Second Circuit Family Court</i>	<i>1.0</i>	<i>1.3</i>	<i>1.6</i>	<i>1.8</i>	<i>2.0</i>
<i>Third Circuit Family Court</i>	<i>1.3</i>	<i>1.7</i>	<i>2.1</i>	<i>2.4</i>	<i>2.7</i>
<i>Fifth Circuit Family Court</i>	<i>0.6</i>	<i>0.9</i>	<i>1.2</i>	<i>1.4</i>	<i>1.7</i>
<b><i>Total: All Circuits</i></b>	<b><i>11.9</i></b>	<b><i>13.1</i></b>	<b><i>15.3</i></b>	<b><i>17.0</i></b>	<b><i>18.6</i></b>
<i>Notes: (1) Totals reflect aggregate forecasts, not the sum of the disaggregated forecasts.</i> <i>(2) Judgeships were calculated on the basis of statutory Family Judges only, excluding any assigned or per diem judges.</i>					

**Table 2**  
**All Circuits - Summary of Family Court Filing Forecasts by Year, 1984-2005**

FAMILY COURT	HISTORICAL FILINGS				PROJECTED FILINGS									
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	2000	2005
First Circuit Family Court	19,752	21,591	24,064	26,544	27,925	29,306	30,687	32,092	33,496	34,901	36,305	37,710	44,569	51,610
Second Circuit Family Court	2,437	2,522	2,893	3,418	3,977	4,535	5,094	5,364	5,635	5,905	6,176	6,446	7,824	9,196
Third Circuit Family Court	4,228	4,430	5,247	5,598	5,947	6,296	6,645	7,038	7,431	7,824	8,217	8,610	10,605	12,471
Fifth Circuit Family Court	1,227	1,506	1,698	2,079	2,505	2,931	3,357	3,612	3,867	4,123	4,378	4,633	5,979	7,391
Disaggregated Forecasts	27,644	30,049	33,902	37,639	40,354	43,068	45,783	48,106	50,429	52,753	55,076	57,399	68,977	80,668
Aggregated Filing Forecast	27,644	30,049	33,902	37,639	39,902	42,166	44,429	46,775	49,120	51,466	53,811	56,157	67,940	80,188
Variance	0.00%	0.00%	0.00%	0.00%	-1.12%	-2.10%	-2.96%	-2.77%	-2.60%	-2.44%	-2.30%	-2.16%	-1.50%	-0.60%
Total Family Court Filings	27,644	30,049	33,902	37,639	39,902	42,166	44,429	46,775	49,120	51,466	53,811	56,157	67,940	80,188

Source: Carter Goble Associates, Inc., May 1988.

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## **Family Court Filing Forecasts**

**FAMILY COURT FILING FORECASTS**

**Statewide Forecast**

Tables 3, 4, and 5 present the Family Court filing forecasts for the State of Hawaii.

As shown in Table 3, filings in the Family Court have more than doubled in the 14-year period. Starting at 16,055 in 1973, filings have increased steadily with the exception of one year, 1983, to the present level of 37,639 filings in 1987. Growth has occurred in two phases: from 1973-1981, filings grew by 7,805 or 48.6 percent. In the five year period, 1983-1987, filings have grown by 13,042 or 53 percent. Filings have also increased far more rapidly than population. Where there were once 18.85 filings for every 1,000 persons, there are now 34.6 filings for every 1,000 persons. This growth can be attributed to increases in all areas of the Family Court since 1973, but the driving forces behind the recent surges have been children's referrals, supplemental proceedings, adult referrals, and criminal actions.

The forecasts in Table 5 demonstrate the dramatic growth trends experienced by the Family Court. Model 1, which uses the past percentage trend to project growth, forecasts over 100,000 filings in the year 2005. Using the bracketing technique, models 4, 5, 6, and 7 were selected for averaging. The result produced a recommended forecast of approximately 80,188 filings for 2005, slightly more than a doubling from the current level.

**Table 3**  
**All Circuits - Family Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Family Filings</b>	16,055	16,420	16,885	18,329	20,794	22,529	22,854	23,718	23,860	26,659	24,597	27,644	30,049	33,902	37,639	
- Marital Actions	5,353	5,786	5,704	6,395	7,051	8,218	7,987	8,379	7,894	8,497	7,579	7,749	7,634	7,508	7,379	
- Adoptions	885	904	812	749	721	714	840	788	723	736	800	759	770	677	690	
- Paternal/Paternity	57	57	50	256	764	657	981	618	1,149	1,818	1,214	1,398	993	1,034	1,380	
- Miscellaneous	218	256	233	528	1,197	1,580	1,418	1,874	2,190	2,422	2,533	3,011	2,884	3,123	3,390	
- Criminal Action	13	25	41	40	39	60	70	99	81	108	127	157	203	364	963	
- Adult Referrals	713	691	648	661	784	803	796	786	654	632	542	871	2,028	2,394	2,666	
- Children Referrals	6,447	6,539	7,191	7,142	7,183	6,934	7,444	7,392	7,540	8,117	8,034	8,305	9,897	11,402	12,907	
- Supplemental	2,369	2,162	2,206	2,558	3,055	3,563	3,318	3,782	3,629	4,329	3,768	5,394	5,640	7,400	8,264	
<b>Total Terminations</b>	17,716	16,310	17,015	17,256	19,010	20,194	20,952	21,525	20,442	21,179	22,176	27,583	28,773	34,635	40,130	22,993
<b>Pending at End</b>	8,683	8,793	8,663	9,736	11,520	13,855	15,757	17,950	21,368	26,848	29,269	29,330	30,606	29,873	27,381	19,309
<b>Disposition Rate</b>	110%	99%	101%	94%	91%	90%	92%	91%	86%	79%	90%	100%	96%	102%	107%	95%
<b>Number of FTE Judges</b>	8.59	8.54	8.43	8.51	8.80	8.94	8.86	10.06	9.91	11.49	13.26	16.18	16.02	16.58	15.00	
<b>Filings Per Judge</b>	1,869	1,923	2,003	2,154	2,363	2,520	2,579	2,358	2,408	2,320	1,855	1,709	1,876	2,045	2,509	2,166
<b>Terminations Per Judge</b>	2,062	1,910	2,018	2,028	2,160	2,259	2,365	2,140	2,063	1,843	1,672	1,705	1,796	2,089	2,675	2,052
<b>Judges Per 100,000 Pop.</b>	1.01	0.98	0.95	0.94	0.96	0.96	0.93	1.04	1.01	1.15	1.30	1.56	1.52	1.55	1.38	1.15
<b>Filings Per 1,000 Pop.</b>	6.29	6.67	6.44	7.07	7.68	8.82	8.38	8.65	8.05	8.52	7.43	7.47	7.26	7.02	6.78	7.50
<b>State Population</b>	851,600	868,000	886,000	904,200	918,300	931,600	953,300	968,900	980,600	997,800	1019,500	1037,200	1051,500	1069,700	1087,900	

**Notes:**

(1) The number of judges appears as a fraction due to the sharing of Circuit and District court judges, and the use of per diem judges.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carter Goble Associates, Inc., May 1988.

**Table 4**  
**All Circuits - Family Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Family Filings	16,055	16,420	16,885	18,329	20,794	22,529	22,854	23,718	23,860	26,659	24,597	27,644	30,049	33,902	37,639	
- Marital Actions	33.3%	35.2%	33.8%	34.9%	33.9%	36.5%	34.9%	35.3%	33.1%	31.9%	30.8%	28.0%	25.4%	22.1%	19.6%	31.3%
- Adoptions	5.5%	5.5%	4.8%	4.1%	3.5%	3.2%	3.7%	3.3%	3.0%	2.8%	3.3%	2.7%	2.6%	2.0%	1.8%	3.4%
- Paternal/Paternity	0.4%	0.3%	0.3%	1.4%	3.7%	2.9%	4.3%	2.6%	4.8%	6.8%	4.9%	5.1%	3.3%	3.0%	3.7%	3.2%
- Miscellaneous	1.4%	1.6%	1.4%	3.9%	5.8%	7.0%	6.2%	7.9%	9.2%	9.1%	10.3%	10.9%	9.6%	9.2%	9.0%	6.8%
- Criminal Action	0.1%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.4%	0.3%	0.4%	0.5%	0.6%	0.7%	1.1%	2.6%	0.5%
- Adult Referrals	4.4%	4.2%	3.8%	3.6%	3.8%	3.6%	3.5%	3.3%	2.7%	2.4%	2.2%	3.2%	6.7%	7.1%	7.1%	4.1%
- Children Referrals	40.2%	39.8%	42.6%	39.0%	34.5%	30.8%	32.6%	31.2%	31.6%	30.4%	32.7%	30.0%	32.9%	33.6%	34.3%	34.4%
- Supplemental	14.8%	13.2%	13.1%	14.0%	14.7%	15.8%	14.5%	15.9%	15.2%	16.2%	15.3%	19.5%	18.8%	21.8%	22.0%	16.3%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 5**  
**All Circuits - Family Court Filing Projections, 1990-2005**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Family Court Filings	16,055	16,420	16,885	18,329	20,794	22,529	22,854	23,718	23,860	26,659	24,597	27,644	30,049	33,902	37,639
Filings Per 1,000 Pop.	18.85	18.92	19.06	20.27	22.64	24.18	23.97	24.48	24.33	26.72	24.13	26.65	28.58	31.69	34.60
Hawaii State Population	851,600	868,000	886,000	904,200	918,300	931,600	953,300	968,900	980,600	997,800	1019,500	1037,200	1051,500	1069,700	1087,900

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Family Court Filings	21,584	1,542	134.4%	9.6%	24,129
Filings Per 1,000 Pop.	15.75	1.12	83.5%	6.0%	24.61

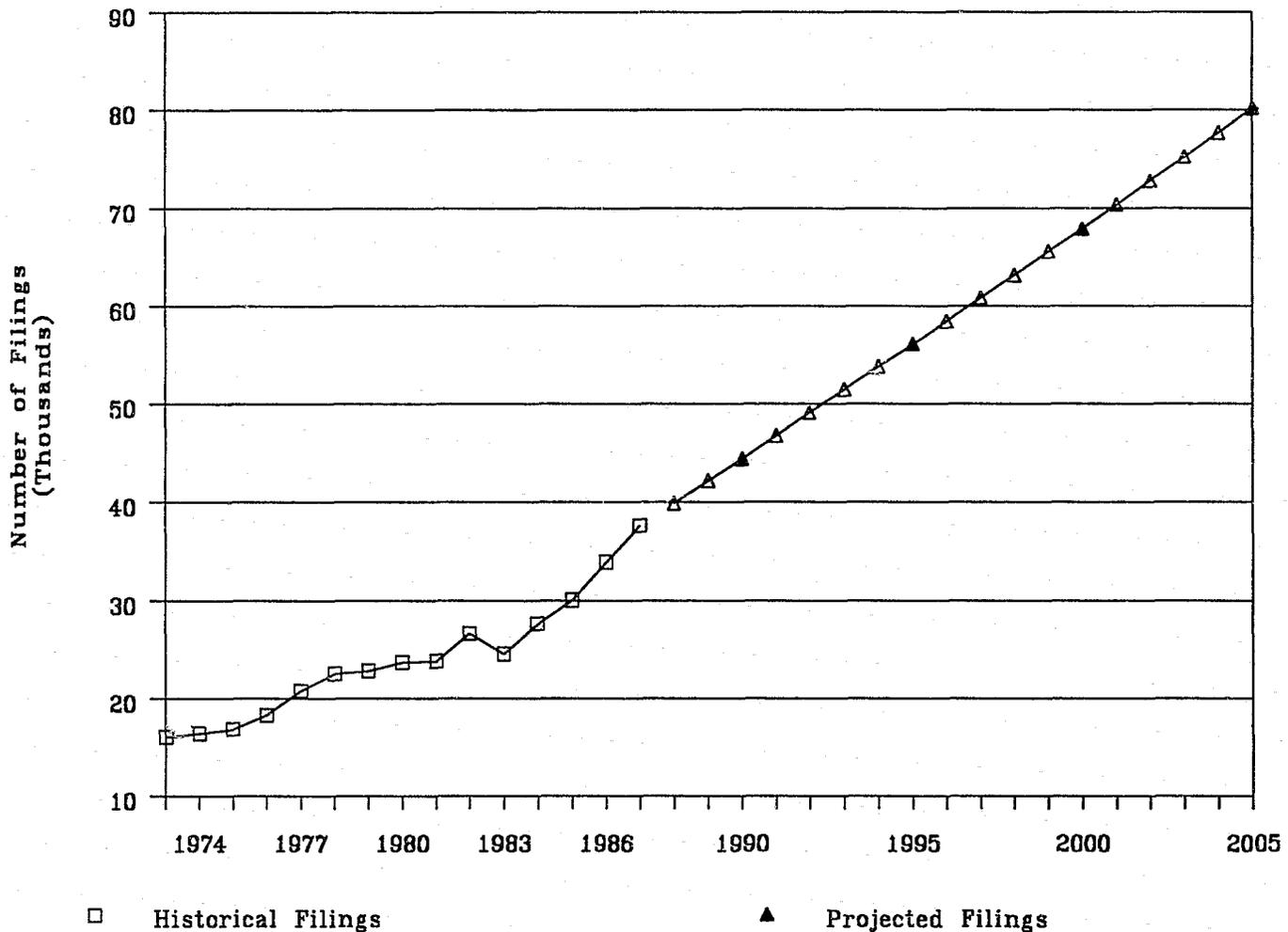
PROJECTED POPULATION	1990	1995	2000	2005
	State of Hawaii	1142500	1228900	1294200

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 9.6%/year from 37,639 base	48,479	66,546	84,612	102,679	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 18.94-33.15 = 14.21 = 1.015/year from 34.60 base	43,009	52,499	61,856	71,877
2) ACTUAL NUMBER INCREASE = 1,542/year from 37,639 base	42,265	49,975	57,685	65,395	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-75 to Avg. 1986-87 Actual # = 35,771-16,453 = 19,318; Pop. = 1,078,800-877,450 = 201,350; Ratio = 19,318:201,350 = 0.09594	37.65	42.72	47.80	52.87
3) INC. # RATIO TO POPULATION = 1.12/year from 34.60 base	43,369	53,531	63,623	74,446	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 0.09594 + 37,639 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-75 to Avg. 1986-87 = 16,453-35,771 = 117.4% = 8.39%/year from 37,639 base	37.96	43.56	49.16	54.76	10) MULTIPLE REGRESSION Formula = -54,355 + .08104(Pop) Correlation = .924	42,877	51,167	57,431	63,696
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-75 to Avg. 1986-87 = 1,380/year from 37,639 base	47,113	62,902	78,692	94,481		37,691	44,472	51,253	58,034
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 18.94-33.15 = 75.0% = 5.3%/year from 34.60 base	41,779	48,679	55,579	62,479		38,233	45,235	50,527	55,819
	45,816	60,548	75,632	91,914	<b>RECOMMENDED FORECAST →</b>				
	40.10	49.27	58.44	67.61	<b>AVERAGE MODELS 4,5,6,7</b>	<b>44,429</b>	<b>56,157</b>	<b>67,940</b>	<b>80,188</b>

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 5: FAMILY COURT FILINGS

HAWAII - ALL CIRCUITS, 1973-2005



**FAMILY COURT FILING FORECASTS****First Circuit Forecast**

Tables 6, 7, and 8 present the Family Court filing forecasts for the First Circuit. As with the Third Circuit, these projections will differ slightly from those of an already published report, due to the use of updated population forecasts.

Table 6 illustrates the historical caseload of the First Circuit Family Court. The First Circuit exhibits the same pattern as the statewide totals: steady, swift growth throughout the period, with even greater increases over the last five years. Only two years during the 14-year period revealed a slight decline. Filings have also grown much faster than the Honolulu County population. In 1973, there were 18.13 filings for every 1,000 people, and by 1987, this ratio had grown to 31.85 filings for every 1,000 people. The driving factors behind the most recent increases have been increasing supplemental proceedings, children's referrals, adult referrals, and criminal actions.

Table 8 presents the forecast models for the First Circuit. Filings have more than doubled over the previous 14-year period, and the forecasts expect this trend to continue. Using the bracketing technique, models 4, 5, 6, and 7 were averaged together to produce a recommended forecast of approximately 51,610 filings in 2005. This represents just under a 50 percent increase from the Family Court's present caseload of 26,544 filings.

**Table 6**  
**First Circuit - Family Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Family Filings</b>	12,537	12,889	13,166	14,190	15,756	16,487	17,146	17,389	16,817	18,404	16,983	19,752	21,591	24,064	26,544	
- Marital Actions	4,551	4,808	4,612	5,303	5,671	6,207	6,333	6,567	6,027	6,110	5,448	5,684	5,619	5,466	5,372	
- Adoptions	709	725	633	578	549	555	612	582	532	519	595	534	549	498	496	
- Paternal/Paternity	47	46	43	231	592	386	682	429	744	1,404	864	1,059	727	644	999	
- Miscellaneous	183	221	198	444	784	1,023	1,042	1,318	1,435	1,518	1,575	1,924	1,764	1,933	2,079	
- Criminal Action	2	11	26	30	30	35	39	57	72	93	104	144	160	245	622	
- Adult Referrals	589	579	524	529	532	616	574	548	411	332	303	576	1,698	1,953	2,043	
- Children Referrals	4,480	4,715	5,210	4,853	5,017	4,926	5,169	4,967	4,911	5,279	5,441	5,521	6,686	7,410	7,965	
- Supplemental	1,976	1,784	1,920	2,224	2,581	2,739	2,695	2,921	2,685	3,149	2,653	4,310	4,388	5,915	6,968	
<b>Total Terminations</b>	13,452	12,843	13,394	13,229	14,609	15,273	16,038	15,650	14,242	14,630	15,016	19,164	20,142	26,098	30,517	16,953
<b>Pending at End</b>	7,307	7,353	7,125	8,094	9,241	10,455	11,563	13,302	15,877	19,651	21,618	22,206	23,655	21,621	17,647	14,448
<b>Disposition Rate</b>	107%	100%	102%	93%	93%	93%	94%	90%	85%	79%	88%	97%	93%	108%	115%	96%
<b>Number of FTE Judges (1)</b>	7.00	7.00	7.00	7.00	7.25	7.30	7.20	8.00	7.83	9.44	11.02	13.30	13.20	13.70	11.90	
<b>Filings Per Judge</b>	1,791	1,841	1,881	2,028	2,173	2,258	2,381	2,174	2,148	1,950	1,541	1,485	1,636	1,756	2,231	1,952
<b>Terminations Per Judge</b>	1,922	1,835	1,913	1,890	2,015	2,092	2,228	1,956	1,819	1,550	1,363	1,441	1,526	1,905	2,564	1,868
<b>Judges Per 100,000 Pop.</b>	1.01	0.99	0.97	0.96	0.98	0.98	0.95	1.05	1.02	1.21	1.39	1.66	1.63	1.67	1.43	1.19
<b>Filings Per 1,000 Pop.</b>	6.58	6.79	6.42	7.28	7.69	8.36	8.38	8.59	7.84	7.85	6.87	7.08	6.93	6.65	6.45	7.32
<b>Honolulu Co. Population</b>	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,400	822,300	833,500	

**Notes:**

(1) The First Circuit was the only circuit in which Circuit and District Court judges were specifically assigned Family Court cases. The total shown included per diem judges.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carter Goble Associates, Inc., May 1988.

**Table 7**  
**First Circuit - Family Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Family Filings</b>	<b>12,537</b>	<b>12,889</b>	<b>13,166</b>	<b>14,198</b>	<b>15,756</b>	<b>16,487</b>	<b>17,146</b>	<b>17,389</b>	<b>16,817</b>	<b>18,404</b>	<b>16,983</b>	<b>19,752</b>	<b>21,591</b>	<b>24,064</b>	<b>26,544</b>	
- Marital Actions	36.3%	37.3%	35.0%	37.4%	36.0%	37.6%	36.9%	37.8%	35.8%	33.2%	32.1%	28.8%	26.0%	22.7%	20.2%	32.9%
- Adoptions	5.7%	5.6%	4.8%	4.1%	3.5%	3.4%	3.6%	3.3%	3.2%	2.8%	3.5%	2.7%	2.5%	2.1%	1.9%	3.5%
- Paternal/Paternity	0.4%	0.4%	0.3%	1.6%	3.8%	2.3%	4.0%	2.5%	4.4%	7.6%	5.1%	5.4%	3.4%	2.7%	3.8%	3.2%
- Miscellaneous	1.5%	1.7%	1.5%	3.1%	5.0%	6.2%	6.1%	7.6%	8.5%	8.2%	9.3%	9.7%	8.2%	8.0%	7.8%	6.2%
- Criminal Action	0.0%	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%	0.4%	0.5%	0.6%	0.7%	0.7%	1.0%	2.3%	0.5%
- Adult Referrals	4.7%	4.5%	4.0%	3.7%	3.4%	3.7%	3.3%	3.2%	2.4%	1.8%	1.8%	2.9%	7.9%	8.1%	7.7%	4.2%
- Children Referrals	35.7%	36.6%	39.6%	34.2%	31.8%	29.9%	30.1%	28.6%	29.2%	28.7%	32.0%	28.0%	31.0%	30.8%	30.0%	31.7%
- Supplemental	15.8%	13.8%	14.6%	15.7%	16.4%	16.6%	15.7%	16.8%	16.0%	17.1%	15.6%	21.8%	20.3%	24.6%	26.3%	17.8%
<b>TOTAL</b>	<b>100.0%</b>															

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 8**  
**First Circuit - Family Court Filing Projections, 1990-2005**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Family Court Filings	12,537	12,889	13,166	14,198	15,756	16,487	17,146	17,389	16,817	18,404	16,983	19,752	21,591	24,064	26,544
Filings Per 1,000 Pop.	18.13	18.22	18.32	19.49	21.38	22.20	22.68	22.74	21.87	23.63	21.41	24.62	26.62	29.26	31.85
Honolulu Co. Population	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,100	822,300	833,500

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Family Court Filings	14,007	1,001	111.7%	8.0%	17,582
Filings Per 1,000 Pop.	13.71	0.98	75.6%	5.4%	22.83

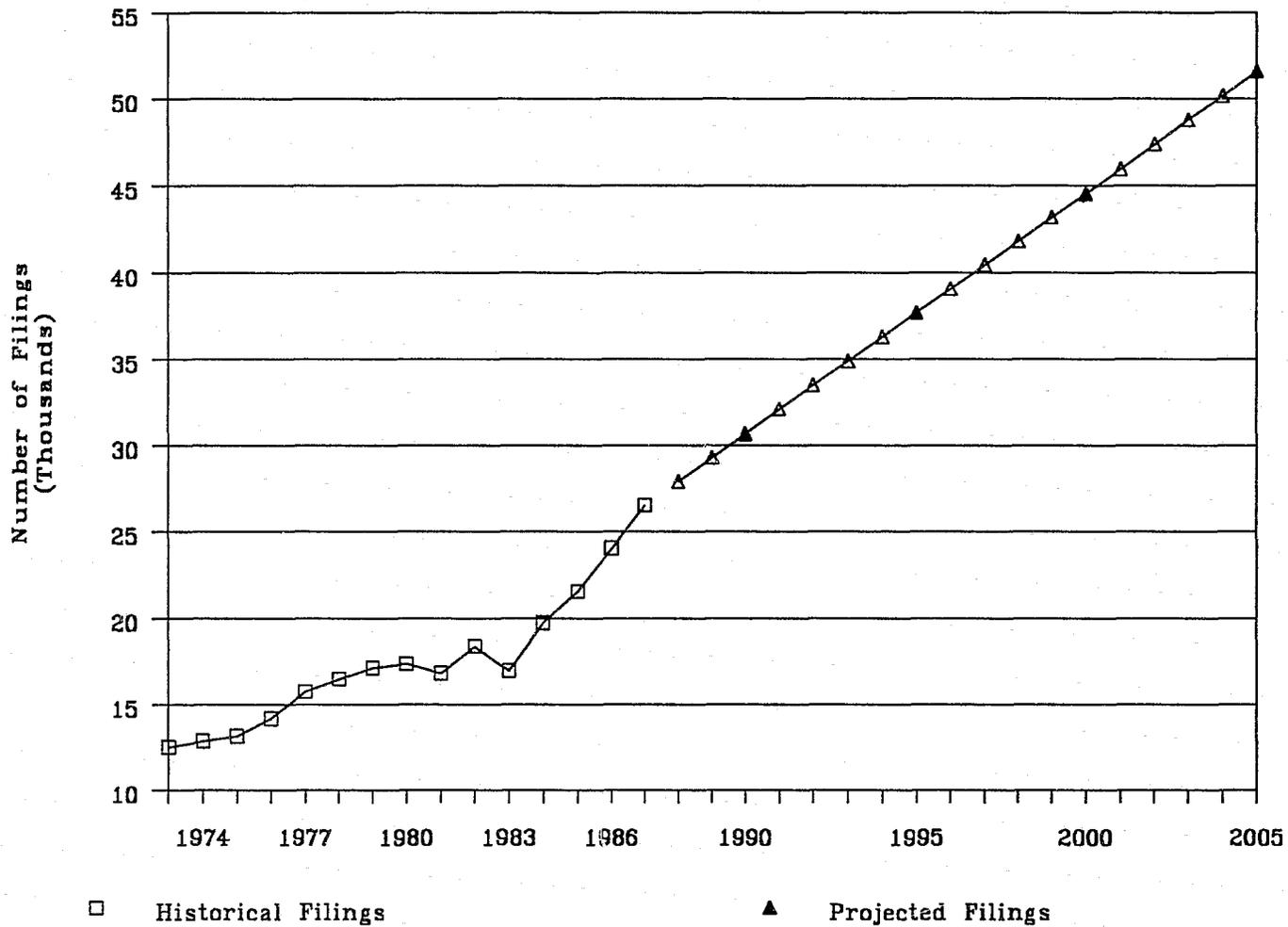
PROJECTED POPULATION	1990	1995	2000	2005
	Honolulu City and County	867,100	915,900	945,400

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 8.0%/year from 26,544 base	32,915	43,532	54,150	64,767	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 18.22-30.56 = 12.34 = 0.88/year from 31.85 base	29,906	35,619	40,926	46,503
2) ACTUAL NUMBER INCREASE = 1,001/year from 26,544 base	29,547	34,552	39,557	44,562	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-75 to Avg. 1986-87 Actual # = 25,304-12,864 = 12,440; Pop. = 827,900-705,867 = 122,033; Ratio = 12,440:122,033 = 0.1019	34.49	38.89	43.29	47.69
3) INC. # RATIO TO POPULATION = 0.98/year from 31.85 base	30,166	36,352	42,155	48,258	9) LINEAR REGRESSION (Least Squares Analysis)	29,968	34,941	37,947	40,973
4) MODIFIED HISTORICAL TREND = Avg. 1973-75 to Avg. 1986-87 = 12,864-25,304 = 96.7% = 6.9%/year from 26,544 base	34.79	39.69	44.59	49.49	10) MULTIPLE REGRESSION Formula = -49,583 + .08794(Pop) Correlation = .884	26,032	30,258	34,483	38,709
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-75 to Avg. 1986-87 = 888.5/year from 26,544 base	32,039	41,196	50,354	59,512		26,669	30,961	33,555	36,167
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 18.22-30.56 = 67.7% = 4.8%/year from 31.85 base	29,210	33,652	38,095	42,537	<b>RECOMMENDED FORECAST ==&gt;</b> <b>AVERAGE MODELS 4,5,6,7</b>	<b>30,687</b>	<b>37,710</b>	<b>44,569</b>	<b>51,610</b>

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 8: FAMILY COURT FILINGS

HAWAII - FIRST CIRCUIT, 1973-2005



**FAMILY COURT FILING FORECASTS****Second Circuit Forecast**

Tables 9, 10, and 11 present the Family Court filing forecasts for the Second Circuit.

The historical caseload of the Second Circuit depicted in Table 9, reveals a strong growth pattern characterized by peaking, slight decline, peaking, slight decline, and another peaking phase. Filings grew from 1,310 in 1973 to 1,845 in 1978, then declined to 1,645 in 1980, before peaking again to 2,546 in 1983. After a small decrease the following year, filings have risen steadily to the present level of 3,418 in 1987. Filings have also grown faster than population, although in a very asymmetrical fashion, from a low of 19.61 filings for every 1,000 people in 1974 to a high of 37.72 filings per 1,000 people in 1987. All types of cases in Family Court have experienced growth, with the most dynamic in recent years being criminal actions and adult referrals.

It was assumed that filing levels for the Second Circuit had been under-reported in recent years. Fiscal year 1986-87 filings were believed to approximate 4,200 rather than the reported level of 3,418. FY 1987-88 data was obtained which showed the Second Circuit with 4,548 filings, thereby supporting the filing error contention. For this reason, the updated filing level of 4,548 was used as the base year for the forecasting models.

The forecasts for the Second Circuit are shown in Table 11. With such a high growth system, the range of forecasts varied widely. Models 2, 4, 5, 6, and 8 were selected to produce a recommended forecast of approximately 9,196 filings for 2005, a 100 percent increase from the current level.

**Table 9**  
**Second Circuit - Family Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Family Filings</b>	1,310	1,055	1,137	1,319	1,467	1,845	1,707	1,645	2,055	2,509	2,546	2,437	2,522	2,893	3,418	
- Marital Actions	248	335	381	389	464	719	592	630	650	819	838	748	594	673	690	
- Adoptions	76	84	82	70	88	70	105	82	106	102	96	103	103	61	103	
- Paternal/Paternity	3	5	1	13	34	41	86	10	40	89	102	106	32	175	124	
- Miscellaneous	9	10	2	30	73	164	59	77	176	278	296	279	244	315	365	
- Criminal Action	0	0	0	0	0	4	2	5	2	4	3	7	10	51	200	
- Adult Referrals	50	41	54	45	46	58	76	64	80	128	80	167	196	212	446	
- Children Referrals	764	475	548	678	608	658	694	593	816	814	957	959	1,077	903	1,193	
- Supplemental	160	105	69	94	154	131	93	184	185	275	174	68	266	503	297	
<b>Total Terminations</b>	2,035	1,096	1,037	1,196	1,259	1,461	1,317	1,595	1,722	1,744	1,878	2,761	2,686	2,545	2,674	1,800
Pending at End	414	373	473	596	804	1,188	1,578	1,628	1,961	2,726	3,394	3,070	2,906	3,254	3,998	1,891
Disposition Rate	155%	104%	91%	91%	86%	79%	77%	97%	84%	70%	74%	113%	107%	88%	78%	93%
Number of FTE Judges	0.70	0.65	0.60	0.62	0.59	0.61	0.64	0.60	0.63	0.65	0.70	1.11	1.06	1.06	1.15	
Filings Per Judge	1,871	1,623	1,895	2,127	2,486	3,025	2,667	2,742	3,262	3,860	3,637	2,195	2,379	2,729	2,972	2,631
Terminations Per Judge	2,907	1,686	1,728	1,929	2,134	2,395	2,058	2,658	2,733	2,683	2,683	2,487	2,534	2,401	2,325	2,356
Judges Per 100,000 Pop.	1.31	1.21	1.06	1.03	0.94	0.92	0.92	0.84	0.85	0.84	0.88	1.33	1.24	1.20	1.27	1.06
Filings Per 1,000 Pop.	4.64	6.23	6.71	6.45	7.37	10.86	8.49	8.80	8.77	10.64	10.48	8.96	6.95	7.64	7.61	8.04
Maui County Population	53,400	53,800	56,800	60,300	63,000	66,200	69,700	71,600	74,100	77,000	80,000	83,500	85,500	88,060	90,620	

Notes:

- (1) It was believed that filings for the Second Circuit had been under-reported in recent years. The filing level for FY 1986-87 was assumed to approximate 4,200 filings, and data for FY 1987-88 supported this contention.
- (2) For FY 1987-88, the Second Circuit reported 4,548 filings, 3,932 terminations, and 4,614 pending cases. This translated to a 86% disposition rate and 3,419 terminations per FTE judge.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 10**  
**Second Circuit - Family Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Family Filings</b>	<b>1,310</b>	<b>1,055</b>	<b>1,137</b>	<b>1,319</b>	<b>1,467</b>	<b>1,845</b>	<b>1,707</b>	<b>1,645</b>	<b>2,055</b>	<b>2,509</b>	<b>2,546</b>	<b>2,437</b>	<b>2,522</b>	<b>2,893</b>	<b>3,418</b>	
- Marital Actions	18.9%	31.8%	33.5%	29.5%	31.6%	39.0%	34.7%	38.3%	31.6%	32.6%	32.9%	30.7%	23.6%	23.3%	20.2%	30.1%
- Adoptions	5.8%	8.0%	7.2%	5.3%	6.0%	3.8%	6.2%	5.0%	5.2%	4.1%	3.8%	4.2%	4.1%	2.1%	3.0%	4.9%
- Paternal/Paternity	0.2%	0.5%	0.1%	1.0%	2.3%	2.2%	5.0%	0.6%	1.9%	3.5%	4.0%	4.3%	1.3%	6.0%	3.6%	2.5%
- Miscellaneous	0.7%	0.9%	0.2%	2.3%	5.0%	8.9%	3.5%	4.7%	8.6%	11.1%	11.6%	11.4%	9.7%	10.9%	10.7%	6.7%
- Criminal Action	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.3%	0.1%	0.2%	0.1%	0.3%	0.4%	1.8%	5.9%	0.6%
- Adult Referrals	3.8%	3.9%	4.7%	3.4%	3.1%	3.1%	4.5%	3.9%	3.9%	5.1%	3.1%	6.9%	7.8%	7.3%	13.0%	5.2%
- Children Referrals	58.3%	45.0%	48.2%	51.4%	41.4%	35.7%	40.7%	36.0%	39.7%	32.4%	37.6%	39.4%	42.7%	31.2%	34.9%	41.0%
- Supplemental	12.2%	10.0%	6.1%	7.1%	10.5%	7.1%	5.4%	11.2%	9.0%	11.0%	6.8%	2.8%	10.5%	17.4%	8.7%	9.1%
<b>TOTAL</b>	<b>100.0%</b>															

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 9**  
**Second Circuit - Family Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Family Filings</b>	1,310	1,055	1,137	1,319	1,467	1,845	1,707	1,645	2,055	2,509	2,546	2,437	2,522	2,893	3,418	
- Marital Actions	248	335	381	389	464	719	592	630	650	819	838	748	594	673	690	
- Adoptions	76	84	82	70	88	70	105	82	106	102	96	103	103	61	103	
- Paternal/Paternity	3	5	1	13	34	41	86	10	40	89	102	106	32	175	124	
- Miscellaneous	9	10	2	30	73	164	59	77	176	278	296	279	244	315	365	
- Criminal Action	0	0	0	0	0	4	2	5	2	4	3	7	10	51	200	
- Adult Referrals	50	41	54	45	46	58	76	64	80	128	80	167	196	212	446	
- Children Referrals	764	475	548	678	608	658	694	593	816	814	957	959	1,077	903	1,193	
- Supplemental	160	105	69	94	154	131	93	184	185	275	174	68	266	503	297	
<b>Total Terminations</b>	2,035	1,096	1,037	1,196	1,259	1,461	1,317	1,595	1,722	1,744	1,878	2,761	2,686	2,545	2,674	1,800
Pending at End	414	373	473	596	804	1,188	1,578	1,628	1,961	2,726	3,394	3,070	2,906	3,254	3,998	1,891
Disposition Rate	155%	104%	91%	91%	86%	79%	77%	97%	84%	70%	74%	113%	107%	88%	78%	93%
Number of FTE Judges	0.70	0.65	0.60	0.62	0.59	0.61	0.64	0.60	0.63	0.65	0.70	1.11	1.06	1.06	1.15	
Filings Per Judge	1,871	1,623	1,895	2,127	2,486	3,025	2,667	2,742	3,262	3,860	3,637	2,195	2,379	2,729	2,972	2,631
Terminations Per Judge	2,907	1,686	1,728	1,929	2,134	2,395	2,058	2,658	2,733	2,683	2,683	2,487	2,534	2,401	2,325	2,356
Judges Per 100,000 Pop.	1.31	1.21	1.06	1.03	0.94	0.92	0.92	0.84	0.85	0.84	0.88	1.33	1.24	1.20	1.27	1.06
Filings Per 1,000 Pop.	4.64	6.23	6.71	6.45	7.37	10.86	8.49	8.80	8.77	10.64	10.48	8.96	6.95	7.64	7.61	8.04
Maui County Population	53,400	53,800	56,800	60,300	63,000	66,200	69,700	71,600	74,100	77,000	80,000	83,500	85,500	88,060	90,620	

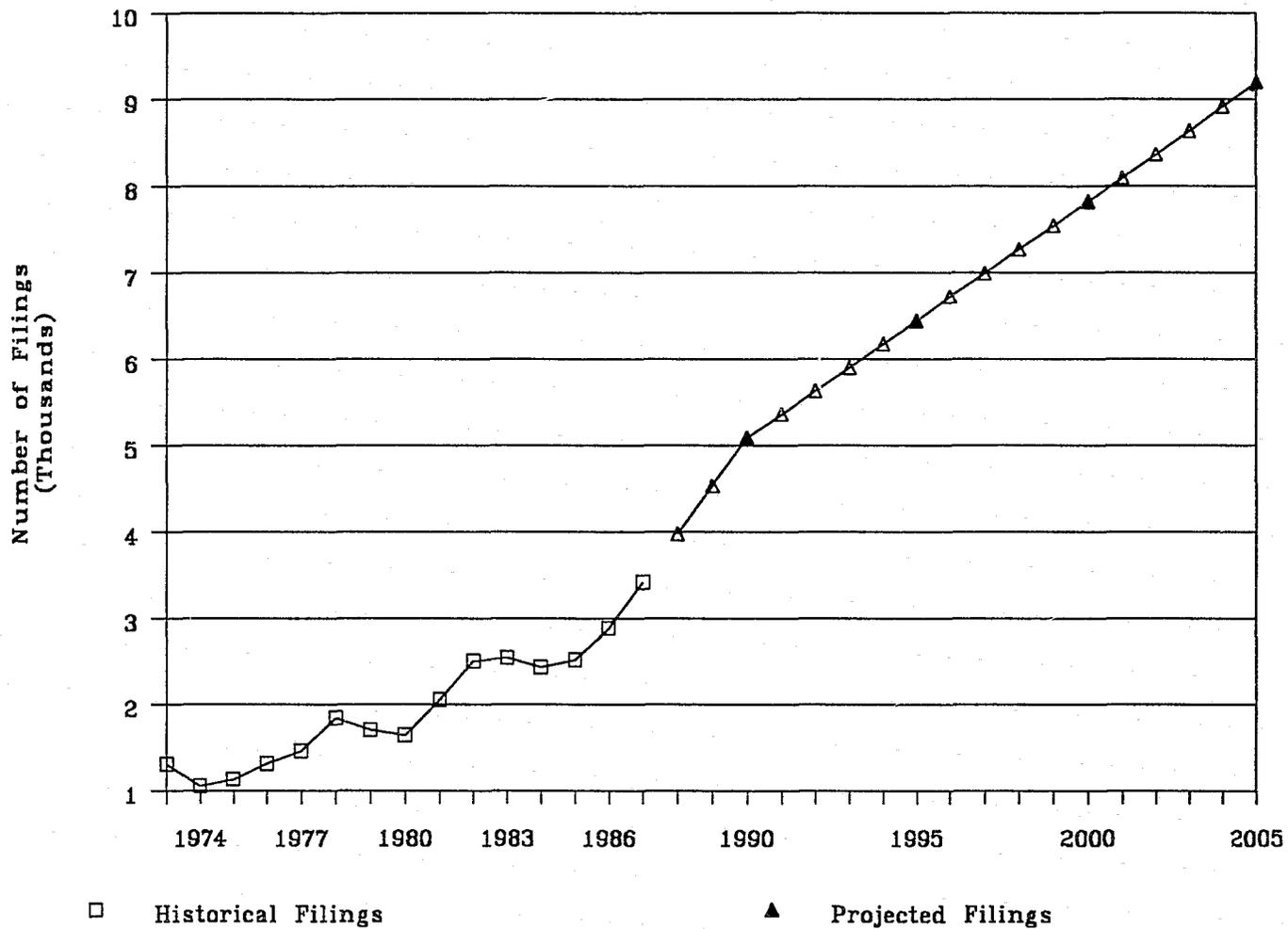
**Notes:**

- (1) It was believed that filings for the Second Circuit had been under-reported in recent years. The filing level for FY 1986-87 was assumed to approximate 4,200 filings, and data for FY 1987-88 supported this contention.
- (2) For FY 1987-88, the Second Circuit reported 4,548 filings, 3,932 terminations, and 4,614 pending cases. This translated to a 86% disposition rate and 3,419 terminations per FTE judge.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

# FIGURE 11: FAMILY COURT FILINGS

HAWAII - SECOND CIRCUIT, 1973-2005



**FAMILY COURT FILING FORECASTS****Third Circuit Forecast**

Tables 12, 13, and 14 present the Family Court filing forecasts for the Third Circuit.

Table 12 shows that the Family Court has experienced a strong growth rate over the 14-year period, with only two years in which there was any decline. Filings have grown from 1,742 in 1973 to 5,598 filings in 1987, a 221.4 percent growth rate. The ratio of filings to population has increased consistently as well, from a low of 23.57 in 1973 to a high of 48.44 in 1987. All types of cases except adoptions have grown, with children's referrals maintaining the largest increase over the last few years.

The forecasts for the Third Circuit Family Court can be seen in Table 14. Models 2, 3, 7, and 8 were selected to average together as these models seemed to develop the most consistent and credible cluster. The recommended forecast is approximately 11,989 filings for the year 2005, slightly more than a doubling from the 1987 level.

**Table 12**  
**Third Circuit - Family Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Family Filings</b>	1,742	1,954	2,038	2,209	2,877	3,321	3,125	3,665	4,096	4,726	3,942	4,228	4,430	5,247	5,598	
- Marital Actions	372	441	500	494	676	871	726	852	882	1,165	934	995	1,004	1,007	975	
- Adoptions	67	81	67	68	68	65	74	82	60	80	76	90	86	91	67	
- Paternal/Paternity	6	4	5	6	129	210	164	154	318	286	212	196	192	182	229	
- Miscellaneous	21	22	28	42	322	333	236	360	456	453	447	580	625	616	645	
- Criminal Action	11	14	15	10	9	21	28	37	7	11	16	6	12	22	77	
- Adult Referrals	63	45	49	56	168	109	125	148	129	117	110	94	98	161	136	
- Children Referrals	1,006	1,122	1,222	1,355	1,253	1,127	1,355	1,461	1,593	1,817	1,328	1,410	1,576	2,338	2,722	
- Supplemental	196	225	152	178	247	585	417	571	651	797	819	897	837	830	747	
<b>Total Terminations</b>	1,748	1,843	2,095	2,293	2,508	2,687	2,765	3,405	3,680	3,831	4,200	4,593	4,623	4,543	4,861	3,312
Pending at End	712	823	766	682	1,051	1,685	2,045	2,305	2,721	3,616	3,358	2,993	2,800	3,504	4,241	2,220
Disposition Rate	100%	94%	103%	104%	87%	81%	88%	93%	90%	81%	107%	109%	104%	87%	87%	94%
Number of FTE Judges (1,2)	0.50	0.50	0.55	0.60	0.65	0.70	0.70	0.90	1.00	1.00	1.10	1.15	1.15	1.20	1.25	
Filings Per Judge	3,484	3,908	3,705	3,682	4,426	4,744	4,464	4,072	4,096	4,726	3,584	3,677	3,852	4,373	4,478	4,085
Terminations Per Judge	3,496	3,686	3,809	3,822	3,858	3,839	3,950	3,783	3,680	3,831	3,818	3,994	4,020	3,786	3,889	3,817
Judges Per 100,000 Pop.	0.68	0.68	0.71	0.74	0.79	0.81	0.78	0.97	1.03	1.00	1.07	1.07	1.05	1.07	1.08	0.90
Filings Per 1,000 Pop.	23.57	26.41	26.33	27.37	34.75	38.66	34.96	39.41	42.23	47.17	38.27	39.44	40.46	46.69	48.44	36.94
Hawaii County Population	73,900	74,000	77,400	80,700	82,800	85,900	89,400	93,000	97,000	100,200	103,000	107,200	109,500	112,380	115,560	

**Notes:**

(1) In the Third Circuit, Circuit and District Court judges heard a quantifiable portion of Family Court cases.

(2) The FTE judicial time shown above was extrapolated based on estimates from the Circuit and District Court Administrators, and on an analysis of changes in the Family Court caseload.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carter Goble Associates, Inc., May 1988.

**Table 13**  
**Third Circuit - Family Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Family Filings</b>	1,742	1,954	2,038	2,209	2,877	3,321	3,125	3,665	4,096	4,726	3,942	4,228	4,430	5,247	5,598	
- Marital Actions	21.4%	22.6%	24.5%	22.4%	23.5%	26.2%	23.2%	23.2%	21.5%	24.7%	23.7%	22.6%	22.7%	19.2%	17.4%	22.6%
- Adoptions	3.8%	4.1%	3.3%	3.1%	2.4%	2.0%	2.4%	2.2%	1.5%	1.7%	1.9%	2.1%	1.9%	1.7%	1.2%	2.4%
- Paternal/Paternity	0.3%	0.2%	0.2%	0.3%	4.5%	6.3%	5.2%	4.2%	7.8%	6.1%	5.4%	4.6%	4.3%	3.5%	4.1%	3.8%
- Miscellaneous	1.2%	1.1%	1.4%	1.9%	11.4%	10.0%	7.6%	9.8%	11.1%	9.6%	11.3%	13.7%	14.1%	11.7%	11.5%	8.5%
- Criminal Action	0.6%	0.7%	0.7%	0.5%	0.3%	0.6%	0.9%	1.0%	0.2%	0.2%	0.4%	0.1%	0.3%	0.4%	1.4%	0.6%
- Adult Referrals	3.6%	2.3%	2.4%	2.5%	5.8%	3.3%	4.0%	4.0%	3.1%	2.5%	2.8%	2.2%	2.2%	3.1%	2.4%	3.1%
- Children Referrals	57.7%	57.4%	60.0%	61.3%	43.6%	33.9%	43.4%	39.9%	38.9%	38.4%	33.7%	33.3%	35.6%	44.6%	48.6%	44.7%
- Supplemental	11.3%	11.5%	7.5%	8.1%	8.6%	17.6%	13.3%	15.6%	15.9%	16.9%	20.8%	21.2%	18.9%	15.8%	13.3%	14.4%
<b>TOTAL</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 14**  
**Third Circuit - Family Court Filing Projections, 1990-2005**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Family Court Filings	1,742	1,954	2,038	2,209	2,877	3,321	3,125	3,665	4,096	4,726	3,942	4,228	4,430	5,247	5,598
Filings Per 1,000 Pop.	23.57	26.41	26.33	27.37	34.75	38.66	34.96	39.41	42.23	47.17	38.27	39.44	40.46	46.69	48.44
Hawaii County Population	73,900	74,000	77,400	80,700	82,800	85,900	89,400	93,000	97,000	100,200	103,000	107,200	109,500	112,380	115,560

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Family Court Filings	3,856	275	221.4%	15.8%	3,547
Filings Per 1,000 Pop.	24.87	1.78	105.5%	7.5%	36.94

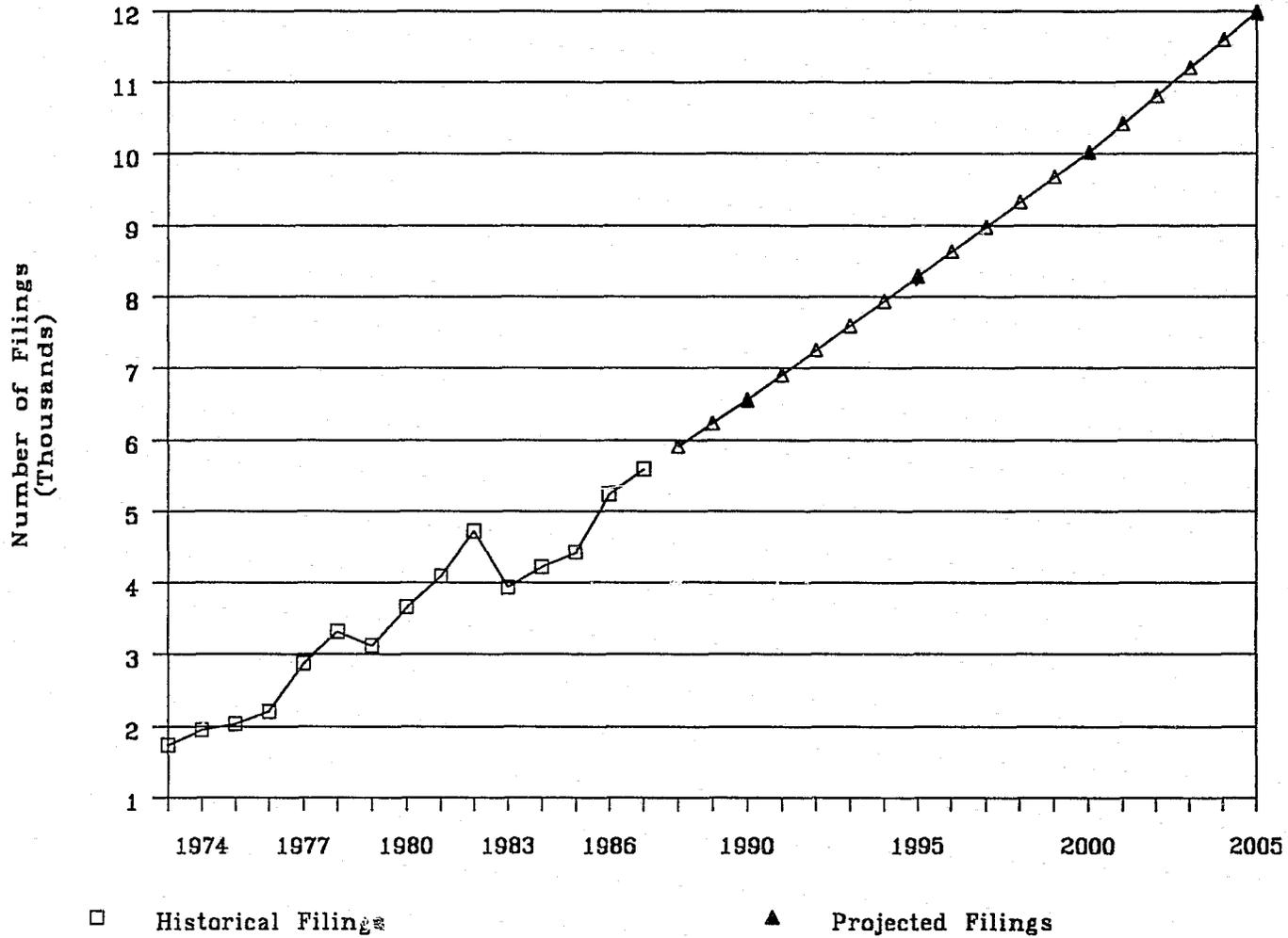
PROJECTED POPULATION	1990	1995	2000	2005
Hawaii County	125,100	141,100	155,200	170,800

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 15.8%/year from 5,598 base	8,251	12,674	17,096	21,519	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 25.44-47.57 = 22.13 = 1.58/yr from 48.44 base	6,653	8,618	10,706	13,131
2) ACTUAL NUMBER INCREASE = 275/year from 5,598 base	6,423	7,798	9,173	10,548		53.18	61.08	68.98	76.88
3) INC. # RATIO TO POPULATION = 1.78/year from 48.44 base	6,728	8,844	11,109	13,746	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-74 to Avg. 1986-87 Actual # = 5,423-1,848 = 3,575; Pop. = 113,970-73,950 = 40,020; Ratio = 3,575:40,020 = 0.0893	Formula: Future population - 1987 population = x; x * 0.0893 + 5,598 base			
	53.78	62.68	71.58	80.48		6,450	7,879	9,138	10,531
4) MODIFIED HISTORICAL TREND = Avg. 1973-74 to Avg. 1986-87 = 1,848-5,423 = 193.5% = 13.8%/year from 5,598 base	7,916	11,778	15,641	19,503	9) LINEAR REGRESSION (Least Squares Analysis)	6,181	7,498	8,815	10,132
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-74 to Avg. 1986-87 = 255/year from 5,598 base	6,363	7,638	8,913	10,188	10) MULTIPLE REGRESSION Formula = -4,175 * .08259(Pop) Correlation = .930	6,157	7,479	8,643	9,931
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 25.44-47.57 = 88.7% = 6.3%/year from 48.44 base	7,205	10,280	13,675	17,656	RECOMMENDED FORECAST →  AVERAGE MODELS 2,3,7,8	6,563	8,285	10,031	11,989
	57.60	72.85	88.11	103.37					

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 14: FAMILY COURT FILINGS

HAWAII - THIRD CIRCUIT, 1973-2005



**FAMILY COURT FILING FORECASTS**

**Fifth Circuit Forecast**

Tables 15, 16, and 17 present the Family Court filing forecasts for the Fifth Circuit.

Historically, the Fifth Circuit has experienced the greatest percentage growth in Family Court filings among all the circuits. From 1973 to 1987, filings grew 346.1 percent, or almost 25 percent per year. In actual numbers, filings increased from 466 to 2,079. Only once, in 1981, was there a decline in filings. The ratio of filings to population has increased dramatically, especially over the last four years. From 14.16 filings for every 1,000 people in 1973, there are now 43.35 filings for every 1,000 people in 1987. The reason for the growth over the recent years is largely due to an increase in the number of children's referrals.

FY 1987-88 filing data revealed a significant increase in filings over the previous year. From a level of 2,079 filings in 1986-87, filings increased by 35.6% to 2,823, primarily as a result of 50 percent increase in children's referrals. Due to this large anomalous growth in filings, the most current level of 2,823 was used as the forecasting base.

The forecasts for the Fifth Circuit projects the dramatic growth of the past continuing into the future, partly as a result of ever-increasing population level of the county. Model 1, using the past percentage growth, projects over 15,000 filings in 2005. However, the recommended forecast provides a more realistic projection of approximately 7,400 filings. During the past 15-year period, filings grew by almost 2,500; over the next 17-year period, filings are expected to increase by approximately 4,500.

**Table 15**  
**Fifth Circuit - Family Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total Family Filings</b>	466	522	544	603	694	876	876	1,019	892	1,020	1,126	1,227	1,506	1,698	2,079	
- Marital Actions	182	202	211	209	240	421	336	330	335	403	359	362	417	362	342	
- Adoptions	33	14	30	33	16	24	49	42	25	35	33	32	32	27	24	
- Paternal/Paternity	1	2	1	6	9	20	49	25	47	39	36	37	42	33	28	
- Miscellaneous	5	3	5	12	13	60	81	119	123	173	215	228	251	259	301	
- Criminal Action	0	0	0	0	0	0	1	0	0	0	4	0	21	46	64	
- Adult Referrals	11	26	21	31	38	20	21	26	34	55	49	34	36	68	41	
- Children Referrals	197	227	211	250	305	223	226	371	220	207	308	415	558	751	1,027	
- Supplemental	37	48	65	62	73	108	113	106	108	108	122	119	149	152	252	
<b>Total Terminations</b>	481	528	489	538	634	773	832	875	798	974	1,082	1,065	1,322	1,449	2,078	928
<b>Pending at End</b>	250	244	299	364	424	527	571	715	809	855	899	1,061	1,245	1,494	1,495	750
<b>Disposition Rate</b>	103%	101%	90%	89%	91%	88%	95%	86%	89%	95%	96%	87%	88%	85%	100%	92%
<b>Number of FTE Judges (1)</b>	0.29	0.29	0.28	0.29	0.31	0.33	0.35	0.55	0.45	0.40	0.44	0.62	0.61	0.62	0.70	
<b>Filings Per Judge</b>	1,607	1,800	1,943	2,079	2,239	2,655	2,503	1,853	1,982	2,550	2,559	1,979	2,469	2,739	2,970	2,262
<b>Terminations Per Judge</b>	1,659	1,821	1,746	1,855	2,045	2,342	2,377	1,591	1,773	2,435	2,459	1,718	2,167	2,337	2,969	2,086
<b>Judges Per 100,000 Pop.</b>	0.88	0.89	0.84	0.83	0.87	0.90	0.92	1.40	1.11	0.95	1.02	1.40	1.34	1.33	1.46	1.08
<b>Filings Per 1,000 Pop.</b>	5.53	6.20	6.32	5.99	6.76	11.44	8.82	8.38	8.25	9.62	8.33	8.19	9.19	7.75	7.13	7.86
<b>Kauai County Population</b>	32,900	32,600	33,400	34,900	35,500	36,800	38,100	39,400	40,600	41,900	43,100	44,200	45,400	46,680	47,960	

**Notes:**

(1) In the Fifth Circuit, District Court Judges hear Family Court cases, therefore FTE judgeships have been apportioned to caseload.

(2) For FY 1987-88, the Fifth Circuit reported 2,823 filings, a 35.6% increase over the previous year. Terminations equaled 2,205 for a 78% disposition rate. Pending cases totaled 2,113.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 16**  
**Fifth Circuit - Family Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Family Filings	466	522	544	603	694	876	876	1,019	892	1,020	1,126	1,227	1,506	1,698	2,079	
- Marital Actions	39.1%	38.7%	38.8%	34.7%	34.6%	48.1%	38.4%	32.4%	37.6%	39.5%	31.9%	29.5%	27.7%	21.3%	16.5%	33.9%
- Adoptions	7.1%	2.7%	5.5%	5.5%	2.3%	2.7%	5.6%	4.1%	2.8%	3.4%	2.9%	2.6%	2.1%	1.6%	1.2%	3.5%
- Paternal/Paternity	0.2%	0.4%	0.2%	1.0%	1.3%	2.3%	5.6%	2.5%	5.3%	3.8%	3.2%	3.0%	2.8%	1.9%	1.3%	2.3%
- Miscellaneous	1.1%	0.6%	0.9%	2.0%	1.9%	6.8%	9.2%	11.7%	13.8%	17.0%	19.1%	18.6%	16.7%	15.3%	14.5%	9.9%
- Criminal Action	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.4%	0.0%	1.4%	2.7%	3.1%	0.5%
- Adult Referrals	2.4%	5.0%	3.9%	5.1%	5.5%	2.3%	2.4%	2.6%	3.8%	5.4%	4.4%	2.8%	2.4%	4.0%	2.0%	3.6%
- Children Referrals	42.3%	43.5%	38.8%	41.5%	43.9%	25.5%	25.8%	36.4%	24.7%	20.3%	27.4%	33.8%	37.1%	44.2%	49.4%	35.6%
- Supplemental	7.9%	9.2%	11.9%	10.3%	10.5%	12.3%	12.9%	10.4%	12.1%	10.6%	10.8%	9.7%	9.9%	9.0%	12.1%	10.5%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 17**  
**Fifth Circuit - Family Court Filing Projections, 1990-2000**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Family Court Filings	466	522	544	603	694	876	876	1,019	892	1,020	1,126	1,227	1,506	1,698	2,079
Filings Per 1,000 Pop.	14.16	16.01	16.29	17.28	19.55	23.80	22.99	25.86	21.97	24.34	26.13	27.76	33.17	36.38	43.35
Kauai County Population	32,900	32,600	33,400	34,900	35,500	36,800	38,100	39,400	40,600	41,900	43,100	44,200	45,400	46,680	47,960

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Family Court Filings	1,613	115	346.1%	24.7%	1,010
Filings Per 1,000 Pop.	29.18	2.08	206.0%	14.7%	24.60

PROJECTED POPULATION	1990	1995	2000	2005
	Kauai County	51,800	59,500	67,900

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 24.7%/year from 2,823 base	4,915	8,401	11,888	15,374	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 15.47-39.87 = 24.40 = 1.74/year from 43.35 base	2,516	3,408	4,479	5,735
2) ACTUAL NUMBER INCREASE = 115/year from 2,823 base	3,168	3,743	4,318	4,893		48.57	57.27	65.97	74.67
3) INC. # RATIO TO POPULATION = 2.08/year from 43.35 base	2,569	3,569	4,779	6,205	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-75 to Avg. 1986-87 Actual # = 1,889-511 = 1,378; Pop. = 47,320-32,967 = 14,353; Ratio = 1,378:14,353 = 0.0960	Formula: Future population - 1987 population = x; x * 0.0960 + 2,823 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-75 to Avg. 1986-87 = 511-1,889 = 269.7% = 19.2%/year from 2,823 base	49.59	59.99	70.39	80.79		3,192	3,931	4,737	5,592
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-75 to Avg. 1986-87 = 131.3/year from 2,823 base	4,449	7,159	9,869	12,579	9) LINEAR REGRESSION (Least Squares Analysis)	1,981	2,472	2,964	3,455
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 15.47-39.87 = 157.7% = 11.2%/year from 43.35 base	3,217	3,873	4,530	5,186	10) MULTIPLE REGRESSION Formula = -2,392 + .08569(Pop) Correlation = .902	2,047	2,706	3,426	4,189
	3,000	4,890	7,229	10,041	RECOMMENDED FORECAST →				
	57.92	82.19	106.47	130.74	AVERAGE MODELS 3,4,5,8	3,357	4,633	5,979	7,391

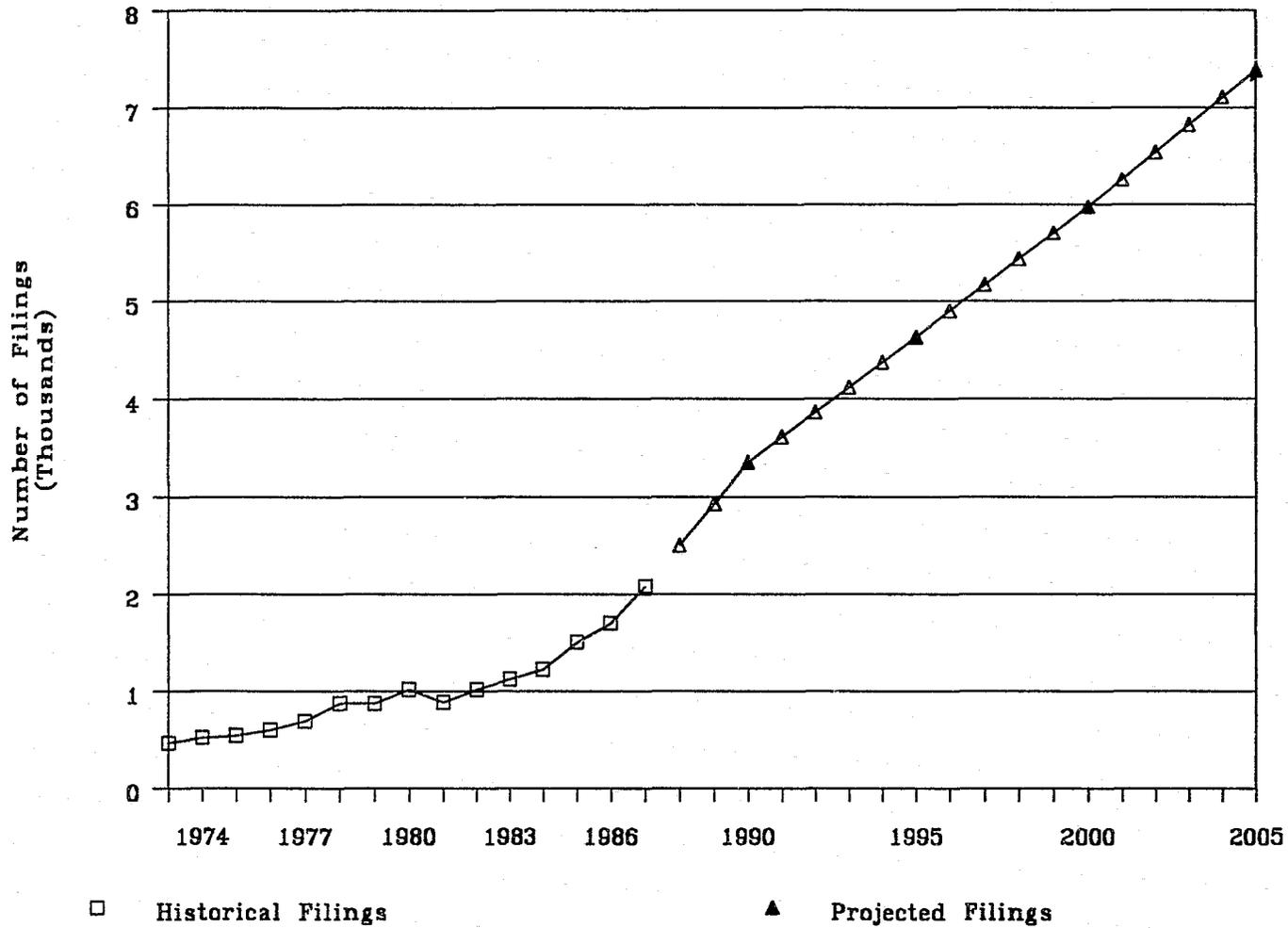
Notes:

(1) The Fifth Circuit experienced a significant increase in filings for FY 1987-88 to 2,823. For this reason, the new filing level was used as the base year.

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 17: FAMILY COURT FILINGS

HAWAII - FIFTH CIRCUIT, 1973-2005



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**Family Court Judgeship Forecasts**

**FAMILY COURT JUDGESHIP FORECASTS**

**Statewide Forecast**

Tables 18 and 19 present the Family Court judgeship forecasts for the State of Hawaii.

Table 18 summarizes the historical judgeship data for the state from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Judgeships are broken down in the following manner: (1) Statutory judgeships, which were determined by proportioning the caseload among Family Court and District Court and arriving at reasonable termination rates, have increased from 8.5 to 11.6; (2) the Assigned Third Circuit Court judgeship that hears Family Court cases, which has grown from 0.10 of a judge to 0.25; (3) Per diem judges which increased from 0.0 to 3.15; and (4) Total Full-time Equivalency (FTE) Judges which include the statutory, assigned, and per diem judges, as this is the total number of judges currently hearing Family Court cases. The total FTE judges has increased from 8.59 to 15.00 over the 14-year period.

Filings and terminations per judge were determined using two methods: (1) Caseload based on the number of statutory judgeships; and (2) caseload based on the number of total FTE judges hearing Family Court cases. The historical growth and termination rates of statutory judgeships were used in Table 19 to forecast future judgeships.

Table 19 presents the judgeship projections for the Family Court.

Model 1, the actual number increase, projects future judgeships based on historical growth patterns. The rate of change in the past has averaged an additional 0.22 judgeships per year, and should this trend continue, there would be 15.6 judgeships by the year 2005, up from the 1986-87 level of 11.6 judges. Model 2 projects future judgeships based on a ratio to the state population. The average ratio for the period was 1.16 judges for every 100,000 persons, and this translates to a forecast of 15.8

**FAMILY COURT JUDGESHIP FORECASTS**

judges in 2005. Model 3 is a caseload model in which terminations per judge are measured against projected case filings to determine the required number of judgeships. Model 3A uses an average termination rate for the period 1986-87 of 3,223 terminations per judge, which means almost 25 judges would be required to meet the projected caseload. Model 3B uses the highest termination rate of the period, 1987, when there were 3,459 terminations per judge, and if this level can be maintained, 23.2 judgeships would be required in 2005. Finally, Model 3C utilizes an increasing termination rate, and again, as with the Circuit Court, assumes that with greater system efficiencies and technological advances to expand productivity, terminations per judge will increase at an average rate of 60 cases per year. This new termination rate translates into the need for 18.6 Family Court judges in the year 2005.

The recommended forecast for the state was Model 3C, projecting a need for judgeships to grow from the present level of 11.6, to a level of 18.6 in 2005.

**Table 18**  
**All Circuits - Family Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Family Filings	16,055	16,420	16,885	18,329	20,794	22,529	22,854	23,718	23,860	26,659	24,597	27,644	30,049	33,902	37,639	
Total Terminations	17,716	16,310	17,015	17,256	19,010	20,194	20,952	21,525	20,442	21,179	22,176	27,583	28,773	34,635	40,130	22,993
Pending at End	8,683	8,793	8,663	9,736	11,520	13,855	15,757	17,950	21,368	26,848	29,269	29,330	30,606	29,873	27,381	19,309
Disposition Rate	110%	99%	101%	94%	91%	90%	92%	91%	86%	79%	90%	100%	96%	102%	107%	95%
Judgeships:																
- Statutory (1)	8.49	8.44	8.33	8.41	8.45	8.54	8.56	8.71	8.81	10.81	10.91	11.55	11.55	11.60	11.60	
- (+) 3rd Circuit Judge (2)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.25	
- (+) Per Diem	0.00	0.00	0.00	0.00	0.25	0.30	0.20	1.20	0.95	0.53	2.20	4.43	4.27	4.78	3.15	
Total FTE Judges:	8.59	8.54	8.43	8.51	8.80	8.94	8.86	10.06	9.91	11.49	13.26	16.18	16.02	16.58	15.00	
Statutory Judgeships (3):																
- Filings/Judge	1,891	1,945	2,027	2,179	2,461	2,638	2,670	2,723	2,708	2,466	2,255	2,393	2,602	2,923	3,245	2,475
- Terminations/Judge	2,087	1,932	2,043	2,052	2,250	2,365	2,448	2,471	2,320	1,959	2,033	2,388	2,491	2,986	3,459	2,352
Total FTE Judgeships (4):																
- Filings/Judge	1,869	1,923	2,003	2,154	2,363	2,520	2,579	2,358	2,408	2,320	1,855	1,709	1,876	2,045	2,509	2,166
- Terminations/Judge	2,062	1,910	2,018	2,028	2,160	2,259	2,365	2,140	2,063	1,843	1,672	1,705	1,796	2,089	2,675	2,052

**Notes:**

- (1) The number of statutory judges appears as a fraction due to the sharing of Circuit and District court judges.
- (2) The Third Circuit used Circuit Court judges to hear Family Court cases. Since this amount was quantifiable, it has been shown accordingly.
- (3) Statutory Judgeships: Filings and terminations per judge computed without Circuit or per diem judges. This number served as the basis for the Family Court judgeship projections.
- (4) Total FTE Judgeships: Filings and terminations per judge computed with Circuit Court and per diem judges.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 19**  
**All Circuits - Family Court Judgeship Projections, 1990-2005**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Family Court Filings	16,055	16,420	16,885	18,329	20,794	22,529	22,854	23,718	23,860	26,659	24,597	27,644	30,049	33,902	37,639
Family Court Terminations	17,716	16,310	17,015	17,256	19,010	20,194	20,952	21,525	20,442	21,179	22,176	27,583	28,773	34,635	40,130
Disposition Rate	110%	99%	101%	94%	91%	90%	92%	91%	86%	79%	90%	100%	96%	102%	107%
Pending at End	8,683	8,793	8,663	9,736	11,520	13,855	15,757	17,950	21,368	26,848	29,269	29,330	30,606	29,873	27,381
Number of FTE Judges	8.59	8.54	8.43	8.51	8.80	8.94	8.86	10.06	9.91	11.49	13.26	16.18	16.02	16.58	15.00
Judges per 100,000 Pop.	1.01	0.98	0.95	0.94	0.96	0.96	0.93	1.04	1.01	1.15	1.30	1.56	1.52	1.55	1.38
Filings Per Judge	1,869	1,923	2,003	2,154	2,363	2,520	2,579	2,358	2,408	2,320	1,855	1,709	1,876	2,045	2,509
Terminations Per Judge	2,062	1,910	2,018	2,028	2,160	2,259	2,365	2,140	2,063	1,843	1,672	1,705	1,796	2,089	2,675

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87
	Number	Per Year	Percent	Per Year	Average
Number of FTE Judges	6.41	0.46	74.6%	5.3%	
Judges per 100,000 Pop.	0.37	0.03	36.7%	2.6%	1.16
Terminations Per Judge	613	44	29.7%	2.1%	2,063

PROJECTIONS	1990	1995	2000	2005
State of Hawaii Population	1142500	1228900	1294200	1359500
Family Court Filings	44,429	56,157	67,940	80,188

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.22/year from 11.60 base	12.3	13.4	14.5	15.6	<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Average 1986-1987 = 3,223 terms./judge  B) High Termination Rate: 1987 = 3,459 terminations per judge  C) Increasing Termination Rate: Increase 60 terminations per year from 3,223 base (Avg. 1986-87)	13.8	17.4	21.1	24.9
<b>2) AVERAGE RATIO TO POPULATION</b> = 1973-87 = 1.16	13.3	14.3	15.0	15.8		12.8	16.2	19.6	23.2
	1.16	1.16	1.16	1.16		13.1	15.2	17.0	18.6
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.					<b>RECOMMENDED FORECAST</b> →  <b>MODEL 3C</b>	3,400	3,700	4,000	4,300
						13.1	15.2	17.0	18.6

Source: Carter Goble Associates, Inc., May 1988.

**FAMILY COURT JUDGESHIP FORECASTS**

**First Circuit Forecast**

Tables 20 and 21 present the Family Court judgeship forecasts for the First Circuit.

As with the statewide table, Table 20 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Judgeships are broken down in the following manner: (1) Statutory judgeships which have increased from 7 to 9; (2) Per diem judges which have increased from 0.0 to 2.9; and (3) Total Full-time Equivalency (FTE) Judges, which include the statutory and per diem judges, which have increased from 7.0 to 11.9.

Filings and terminations per judge were determined for statutory judges, and also for the total FTE judges hearing Family Court cases. The historical growth and termination rates of statutory judgeships were used in Table 21 to forecast future judgeships.

Table 21 presents the judgeship projections for the Family Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the First Circuit was Model 3C, projecting a need for judgeships to increase from the present level of 9.0, to a level of 12.2 in 2005.

**Table 20**  
**First Circuit - Family Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Family Filings	12,537	12,889	13,166	14,198	15,756	16,487	17,146	17,389	16,817	18,404	16,983	19,752	21,591	24,064	26,544	
Total Terminations	13,452	12,843	13,394	13,229	14,609	15,273	16,038	15,650	14,242	14,630	15,016	19,164	20,142	26,098	30,517	16,953
Pending at End	7,307	7,353	7,125	8,094	9,241	10,455	11,563	13,302	15,877	19,651	21,618	22,206	23,655	21,621	17,647	14,448
Disposition Rate	107%	100%	102%	93%	93%	93%	94%	90%	85%	79%	88%	97%	93%	108%	115%	96%
Judgeships:																
— Statutory (1)	7	7	7	7	7	7	7	7	7	9	9	9	9	9	9	
— Per Diem	0.00	0.00	0.00	0.00	0.25	0.30	0.20	1.00	0.83	0.44	2.02	4.30	4.20	4.70	2.90	
Total FTE Judges:	7.00	7.00	7.00	7.00	7.25	7.30	7.20	8.00	7.83	9.44	11.02	13.30	13.20	13.70	11.90	
Statutory Judgeships:																
— Filings per Judge	1,791	1,841	1,881	2,028	2,251	2,355	2,449	2,484	2,402	2,045	1,887	2,195	2,399	2,674	2,949	2,242
— Terminations per Judge	1,922	1,835	1,913	1,890	2,087	2,182	2,291	2,236	2,035	1,626	1,668	2,129	2,238	2,900	3,391	2,156
Total FTE Judgeships:																
— Filings per Judge	1,791	1,841	1,881	2,028	2,173	2,258	2,381	2,174	2,148	1,950	1,541	1,485	1,636	1,756	2,231	1,952
— Terminations per Judge	1,922	1,835	1,913	1,890	2,015	2,092	2,228	1,956	1,819	1,550	1,363	1,441	1,526	1,905	2,564	1,868

Notes:

(1) The First Circuit was the only circuit in which Circuit and District Court judges were specifically assigned Family Court cases.  
This number of judgeships served as the basis for Family Court judgeship projections.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 21**  
**First Circuit - Family Court Judgeship Projections, 1990-2005**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Family Court Filings	12,537	12,889	13,166	14,198	15,756	16,487	17,146	17,389	16,817	18,404	16,983	19,752	21,591	24,064	26,544
Family Court Terminations	13,452	12,843	13,394	13,229	14,609	15,273	16,038	15,650	14,242	14,630	15,016	19,164	20,142	26,098	30,517
Disposition Rate	107%	100%	102%	93%	93%	93%	94%	90%	85%	79%	88%	97%	93%	108%	115%
Pending at End	7,307	7,353	7,125	8,094	9,241	10,455	11,563	13,302	15,877	19,651	21,618	22,206	23,655	21,621	17,647
Number of FTE Judges	7.00	7.00	7.00	7.00	7.25	7.50	7.20	8.00	7.83	9.44	11.02	13.30	13.20	13.70	11.90
Judges per 100,000 Pop.	1.01	0.99	0.97	0.96	0.98	0.98	0.95	1.05	1.02	1.21	1.39	1.66	1.63	1.67	1.43
Filings Per Judge	1,791	1,841	1,881	2,028	2,173	2,258	2,381	2,174	2,148	1,950	1,541	1,485	1,636	1,756	2,231
Terminations Per Judge	1,922	1,835	1,913	1,890	2,015	2,092	2,228	1,956	1,819	1,550	1,363	1,441	1,526	1,905	2,564

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	4.90	0.35	70.0%	5.0%	
Judges per 100,000 Pop.	0.42	0.030	41.0%	2.9%	1.21
Terminations Per Judge	643	46	33.4%	2.4%	1,870

PROJECTIONS	1990	1995	2000	2005
	Honolulu County Population	867,100	915,900	945,400
Family Court Filings	30,687	37,710	44,569	51,610

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005	
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.14/year from 9.0 base		9.4	10.1	10.8	11.5					
<b>2) AVERAGE RATIO TO POPULATION</b> = 1973-87 = 1.21		10.5	11.1	11.4	11.8					
		1.21	1.21	1.21	1.21					
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.										
					<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Average 1986-1987 = 3,146 terms./judge	9.8	12.0	14.2	16.4	
					B) High Termination Rate: 1987 = 3,391 terminations per judge	9.0	11.1	13.1	15.2	
					C) Increasing Termination Rate: Increase 60 terminations per year from 3,146 base (Avg. 1986-87)	9.2	10.4	11.4	12.2	
					<b>RECOMMENDED FORECAST ==&gt;</b>  <b>MODEL 3C</b>	9.2	10.4	11.4	12.2	

Source: Carter Goble Associates, Inc., May 1988.

**FAMILY COURT JUDGESHIP FORECASTS**

**Second Circuit Forecast**

Tables 22 and 23 present the Family Court judgeship forecasts for the Second Circuit.

Table 22 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Statutory judgeships in the Second Circuit have increased from 0.70 to 1.0, while the use of per diem judges has increased from 0.0 to 0.15. Total FTE judgeships have increased from 0.70 to 1.15 over the period.

Table 23 presents the judgeship projections for the Family Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the Second Circuit was Model 3C, projecting a need for judgeships to increase from the 1987 level of 1.0, to a level of 2.0 in 2005.

**Table 22**  
**Second Circuit - Family Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Family Filings	1,310	1,055	1,137	1,319	1,467	1,845	1,707	1,645	2,055	2,509	2,546	2,437	2,522	2,893	3,418	
Total Terminations	2,035	1,096	1,037	1,196	1,259	1,461	1,317	1,595	1,722	1,744	1,878	2,761	2,686	2,545	2,674	1,800
Pending at End	414	373	473	596	804	1,188	1,578	1,628	1,961	2,726	3,394	3,070	2,906	3,254	3,998	1,891
Disposition Rate	155%	104%	91%	91%	86%	79%	77%	97%	84%	70%	74%	113%	107%	88%	78%	93%
Judgeships:																
-- Statutory (1)	0.70	0.65	0.60	0.62	0.59	0.61	0.61	0.61	0.61	0.61	0.61	1.00	1.00	1.00	1.00	
-- Per Diem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.09	0.11	0.06	0.06	0.15	
Total FTE Judges:	0.70	0.65	0.60	0.62	0.59	0.61	0.61	0.61	0.63	0.65	0.70	1.11	1.06	1.06	1.15	
Statutory Judgeships:																
-- Filings per Judge	1,871	1,623	1,895	2,127	2,486	3,025	2,798	2,697	3,369	4,113	4,174	2,437	2,522	2,893	3,418	2,763
-- Terminations per Judge	2,907	1,686	1,728	1,929	2,134	2,395	2,159	2,615	2,823	2,859	3,079	2,761	2,686	2,545	2,674	2,465
Total FTE Judgeships:																
-- Filings per Judge	1,871	1,623	1,895	2,127	2,486	3,025	2,798	2,697	3,262	3,860	3,637	2,195	2,379	2,729	2,972	2,637
-- Terminations per Judge	2,907	1,686	1,728	1,929	2,134	2,395	2,159	2,615	2,733	2,683	2,683	2,487	2,534	2,401	2,325	2,360

Notes:

- (1) Since District Court judges hear Family Court cases in the Second Circuit, statutory judgeships have been apportioned according to caseload.
- (2) It was assumed that filings for FY 1986-87 were under-reported and actually totaled approximately 4,200. This number was consistent with the filings reported for 1987-88. It was further assumed that the dispositions for FY 1986-87 totaled approximately 3,444, for an 82% disposition rate.
- (3) For FY 1987-88, the Second Circuit reported 4,548 filings, 3,932 terminations, and 4,614 pending cases. This translated to a 86% disposition rate and 3,932 terminations per statutory judge.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 23**  
**Second Circuit - Family Court Judgeship Projections, 1990-2005**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Family Court Filings	1,310	1,055	1,137	1,319	1,467	1,845	1,707	1,645	2,055	2,509	2,546	2,437	2,522	2,893	3,418
Family Court Terminations	2,035	1,096	1,037	1,196	1,259	1,461	1,317	1,595	1,722	1,744	1,878	2,761	2,686	2,545	2,674
Disposition Rate	155%	104%	91%	91%	86%	79%	77%	97%	84%	70%	74%	113%	107%	88%	78%
Pending at End	414	373	473	596	804	1,188	1,578	1,628	1,961	2,726	3,394	3,070	2,906	3,254	3,998
Number of FTE Judges	0.70	0.65	0.60	0.62	0.59	0.61	0.61	0.61	0.63	0.65	0.70	1.11	1.06	1.06	1.15
Judges per 100,000 Pop.	1.31	1.21	1.06	1.03	0.94	0.92	0.88	0.85	0.85	0.84	0.88	1.33	1.24	1.20	1.27
Filings Per Judge	1,871	1,623	1,895	2,127	2,486	3,025	2,798	2,697	3,262	3,860	3,637	2,195	2,379	2,729	2,972
Terminations Per Judge	2,907	1,686	1,728	1,929	2,134	2,395	2,159	2,615	2,733	2,683	2,683	2,487	2,534	2,401	2,325

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	0.45	0.03	64.3%	4.6%	
Judges per 100,000 Pop.	-0.04	0.00	-3.2%	-0.2%	1.03
Terminations Per Judge	(582)	(42)	-20.0%	-1.4%	2,360

PROJECTIONS	1990	1995	2000	2005
	Maui County Population	98,300	112,500	125,700
Family Court Filings	5,094	6,446	7,824	9,196

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.02/year from 1.0 base									
	1.1	1.2	1.3	1.4					
<b>2) AVERAGE RATIO TO POPULATION</b> = 1973-87 = 1.03	1.0	1.2	1.3	1.4					
	1.03	1.03	1.03	1.03					
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.									
					<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Average 1973-1987 = 2,465 terms./judge	2.1	2.6	3.2	3.7
					B) High Termination Rate: 1983 = 3,079 terminations per judge	1.7	2.1	2.5	3.0
					C) Increasing Termination Rate: Increase 50 terminations per year from 3,688 base (Avg. 1987-88)	1.3	1.6	1.8	2.0
						3,850	4,100	4,350	4,600
					<b>RECOMMENDED FORECAST =&gt;</b>  <b>MODEL 3C</b>	1.3	1.6	1.8	2.0

Source: Carter Goble Associates, Inc., May 1988.

**FAMILY COURT JUDGESHIP FORECASTS**

**Third Circuit Forecast**

Tables 24 and 25 present the Family Court judgeship forecasts for the Third Circuit.

Table 24 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Judgeships are broken down in the following manner: (1) Statutory judgeships which have increased from 0.50 to 1.0; (2) Circuit Court judges assigned to Family Court cases, which has grown from 0.10 of a judge to 0.25; (3) Per diem judges which are not used in the Third Circuit; and (4) Total Full-time Equivalency (FTE) Judges, which include the statutory and assigned Circuit judges, which have shown a period increase of 0.60 to 1.25.

Filings and terminations per judge were determined for statutory judges, and also for the total FTE judges hearing Family Court cases. The historical growth and termination rates of statutory judgeships were used in Table 25 to forecast future judgeships.

Table 25 presents the judgeship projections for the Family Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the Third Circuit was Model 3C, projecting a need for judgeships to grow from the present level of 1.0, to a level of 2.7 in 2005.

**Table 24**  
**Third Circuit - Family Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Family Filings	1,742	1,954	2,038	2,209	2,877	3,321	3,125	3,665	4,096	4,726	3,942	4,228	4,430	5,247	5,598	
Total Terminations	1,748	1,843	2,095	2,293	2,508	2,687	2,765	3,405	3,680	3,831	4,200	4,593	4,623	4,543	4,861	3,312
Pending at End	712	823	766	682	1,051	1,685	2,045	2,305	2,721	3,616	3,358	2,993	2,800	3,504	4,241	2,220
Disposition Rate	100%	94%	103%	104%	87%	81%	88%	93%	90%	81%	107%	109%	104%	87%	87%	94%
Judgeships:																
- Statutory (1)	0.50	0.50	0.45	0.50	0.55	0.60	0.60	0.75	0.85	0.85	0.95	0.95	0.95	1.00	1.00	
- (+) Assigned Circuit (2)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.25	
- (+) Per Diem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total FTE Judges	0.60	0.60	0.55	0.60	0.65	0.70	0.70	0.90	1.00	1.00	1.10	1.15	1.15	1.20	1.25	
Statutory Judgeships (3):																
- Filings per Judge	3,484	3,908	4,529	4,418	5,231	5,535	5,208	4,887	4,819	5,560	4,149	4,451	4,663	5,247	5,598	4,779
- Terminations per Judge	3,496	3,686	4,656	4,586	4,560	4,478	4,608	4,540	4,329	4,507	4,421	4,835	4,866	4,543	4,861	4,465
Total FTE Judgeships (4):																
- Filings per Judge	2,903	3,257	3,705	3,682	4,426	4,744	4,464	4,072	4,096	4,726	3,584	3,677	3,852	4,373	4,478	4,003
- Terminations per Judge	2,913	3,072	3,809	3,822	3,858	3,839	3,950	3,783	3,680	3,831	3,818	3,994	4,020	3,786	3,889	3,738

Notes:

- (1) The statutory judicial time shown above was extrapolated based on estimates from the Circuit and District Court Administrators, and on an analysis of changes in the Family Court caseload.
- (2) In the Third Circuit, Circuit and District Court judges hear a quantifiable portion of Family Court cases.
- (3) Statutory judgeships: Filings and terminations per judge computed without the time of the Circuit Court or per diem judges.
- (4) Total FTE Judgeships: Filings and terminations per judge computed with the Circuit Court and per diem judgeships.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 25**  
**Third Circuit - Family Court Judgeship Projections, 1990-2005**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Family Court Filings	1,742	1,954	2,038	2,209	2,877	3,321	3,125	3,665	4,096	4,726	3,942	4,228	4,430	5,247	5,598
Family Court Terminations	1,748	1,843	2,095	2,293	2,508	2,687	2,765	3,405	3,680	3,831	4,200	4,593	4,623	4,543	4,861
Disposition Rate	100%	94%	103%	104%	87%	81%	88%	93%	90%	81%	107%	109%	104%	87%	87%
Pending at End	712	823	766	682	1,051	1,685	2,045	2,305	2,721	3,616	3,358	2,993	2,800	3,504	4,241
Number of FTE Judges	0.60	0.60	0.55	0.60	0.65	0.70	0.70	0.90	1.00	1.00	1.10	1.15	1.15	1.20	1.25
Judges per 100,000 Pop.	0.83	0.80	0.70	0.74	0.77	0.81	0.78	0.97	1.04	1.01	1.07	1.09	1.06	1.07	1.09
Filings Per Judge	2,903	3,257	3,705	3,682	4,426	4,744	4,464	4,072	4,096	4,726	3,584	3,677	3,852	4,373	4,478
Terminations Per Judge	2,913	3,072	3,809	3,822	3,858	3,839	3,950	3,783	3,680	3,831	3,818	3,994	4,020	3,786	3,889

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	0.65	0.05	108.3%	7.7%	
Judges per 100,000 Pop.	0.26	0.02	32.1%	2.3%	0.92
Terminations Per Judge	975	70	33.5%	2.4%	3,738

PROJECTIONS	1990	1995	2000	2005
Hawaii County Population	125,100	141,100	155,200	170,800
Family Court Filings	6,645	8,610	10,605	12,471

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.04/year from 1.00 base									
	1.1	1.3	1.5	1.7					
<b>2) HIGH RATIO TO POPULATION</b> = 1987 = 1.09	1.4	1.5	1.7	1.9					
	1.09	1.09	1.09	1.09					
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.					<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Average 1973-1987 = 3,738 terms./judge	1.8	2.3	2.8	3.3
					B) High Termination Rate: 1985 = 4,020 terminations per judge	1.7	2.1	2.6	3.1
					C) Increasing Termination Rate: Increase 40 terminations per year from 3,838 base (Avg. 1986-87)	1.7	2.1	2.4	2.7
						3,960	4,160	4,360	4,560
					<b>RECOMMENDED FORECAST ==&gt;</b>  <b>MODEL 3C</b>	1.7	2.1	2.4	2.7

Source: Carter Goble Associates, Inc., May 1988.

**FAMILY COURT JUDGESHIP FORECASTS****Fifth Circuit Forecast**

Tables 26 and 27 present the Family Court judgeship forecasts for the Fifth Circuit.

Table 26 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Statutory judgeships in the Fifth Circuit have increased from 0.29 to 0.60, while the use of per diem judges increased from 0.00 to 0.10. Total FTE judgeships increased from 0.29 to 0.70 over the 14-year period.

Table 27 presents the judgeship projections for the Family Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the Fifth Circuit was Model 3C, projecting a need for judgeships to increase from the 1987 level of 0.60, to a level of 1.7 in 2005.

**Table 26**  
**Fifth Circuit - Family Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total Family Filings	466	522	544	603	694	876	876	1,019	892	1,020	1,126	1,227	1,506	1,698	2,079	
Total Terminations	481	528	489	538	634	773	832	875	798	974	1,082	1,065	1,322	1,449	2,078	928
Pending at End	250	244	299	364	424	527	571	715	809	855	899	1,061	1,245	1,494	1,495	750
Disposition Rate	103%	101%	90%	89%	91%	88%	95%	86%	89%	95%	96%	87%	88%	85%	100%	92%
Judgeships:																
— Statutory (1)	0.29	0.29	0.28	0.29	0.31	0.33	0.35	0.35	0.35	0.35	0.35	0.60	0.60	0.60	0.60	
— Per Diem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.10	0.05	0.09	0.02	0.01	0.02	0.10	
Total FTE Judges:	0.29	0.29	0.28	0.29	0.31	0.33	0.35	0.55	0.45	0.40	0.44	0.62	0.61	0.62	0.70	
Statutory Judgeships:																
— Filings per Judge	1,607	1,800	1,943	2,079	2,239	2,655	2,503	2,911	2,549	2,914	3,217	2,045	2,510	2,830	3,465	2,484
— Terminations per Judge	1,659	1,821	1,746	1,855	2,045	2,342	2,377	2,500	2,280	2,783	3,091	1,775	2,203	2,415	3,463	2,290
Total FTE Judgeships:																
— Filings per Judge	1,607	1,800	1,943	2,079	2,239	2,655	2,503	1,853	1,982	2,550	2,559	1,979	2,469	2,739	2,970	2,262
— Terminations per Judge	1,659	1,821	1,746	1,855	2,045	2,342	2,377	1,591	1,773	2,435	2,459	1,718	2,167	2,337	2,969	2,086

**Notes:**

- (1) In the Fifth Circuit, District Court judges hear Family Court cases, therefore statutory judgeships have been apportioned according to caseload.
- (2) For FY 1987-88, the Fifth Circuit reported 2,823 filings, 2,205 terminations, and 2,113 pending cases. This translated to a 78% disposition rate and 3,675 terminations per statutory judge. This updated information was used in the judicial forecast models.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 27**  
**Fifth Circuit - Family Court Judgeship Projections, 1990-2005**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Family Court Filings	466	522	544	603	694	876	876	1,019	892	1,020	1,126	1,227	1,506	1,698	2,079
Family Court Terminations	481	528	489	538	634	773	832	875	798	974	1,082	1,065	1,322	1,449	2,078
Disposition Rate	103%	101%	90%	89%	91%	88%	95%	86%	89%	95%	96%	87%	88%	85%	100%
Pending at End	250	244	299	364	424	527	571	715	809	855	899	1,061	1,245	1,494	1,495
Number of FTE Judges	0.29	0.29	0.28	0.29	0.31	0.33	0.35	0.55	0.45	0.40	0.44	0.62	0.61	0.62	0.70
Judges per 100,000 Pop.	0.88	0.89	0.84	0.83	0.87	0.90	0.92	1.40	1.11	0.95	1.02	1.40	1.34	1.33	1.46
Filings Per Judge	1,607	1,800	1,943	2,079	2,239	2,655	2,503	1,853	1,982	2,550	2,559	1,979	2,469	2,739	2,970
Terminations Per Judge	1,659	1,821	1,746	1,855	2,045	2,342	2,377	1,591	1,773	2,435	2,459	1,718	2,167	2,337	2,969

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	0.41	0.03	141.4%	10.1%	
Judges per 100,000 Pop.	0.58	0.041	65.6%	4.7%	1.09
Terminations Per Judge	1,310	94	79.0%	5.6%	2,105

PROJECTIONS	1990	1995	2000	2005
	Kauai County Population	51,800	59,500	67,900
Family Court Filings	3,357	4,633	5,979	7,391

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.02/year from 0.60 base		0.7	0.8	0.9	1.0				
<b>2) AVERAGE RATIO TO POPULATION</b> = 1973-87 = 1.09		0.6	0.6	0.7	0.8				
		1.09	1.09	1.09	1.09				
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.									
					<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Average 1973-1987 = 2,290 terms./judge	1.5	2.0	2.6	3.2
					B) High Termination Rate: 1987 = 3,463 terminations per judge	1.0	1.3	1.7	2.1
					C) Increasing Termination Rate: Increase 50 terminations per year from 3,569 base (Avg. 1987-88)	0.9	1.2	1.4	1.7
					<b>RECOMMENDED FORECAST →</b>  <b>MODEL 3C</b>	0.9	1.2	1.4	1.7

Source: Carter Goble Associates, Inc., May 1988.

DISTRICT COURT

10



**DISTRICT COURT**

**DISTRICT COURT**

The District Courts have exclusive jurisdiction in traffic cases, criminal misdemeanors, and most civil cases involving sums of less than \$5,000. They have limited jurisdiction in civil and criminal matters and share concurrent jurisdiction with Circuit Courts for civil matters where the contested amount involves \$5,000-\$10,000. All District Courts operate as non-jury trial courts.

Tables 1 and 2 present summaries of the District Court filing and judgeship forecasts for the State and all Circuits.

**Table 1**  
**Hawaii Judicial System**  
**Summary of District Court Filing and Judgeship Forecasts, 1990-2005**

<i>FILINGS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit District Court</i>	<i>729,841</i>	<i>840,325</i>	<i>961,007</i>	<i>1,064,396</i>	<i>1,169,498</i>
<i>Second Circuit District Court</i>	<i>75,514</i>	<i>90,018</i>	<i>113,815</i>	<i>137,593</i>	<i>160,311</i>
<i>Third Circuit District Court</i>	<i>54,089</i>	<i>61,726</i>	<i>74,828</i>	<i>87,419</i>	<i>101,075</i>
<i>Fifth Circuit District Court</i>	<i>22,891</i>	<i>26,991</i>	<i>35,295</i>	<i>44,380</i>	<i>54,165</i>
<i>Total: All Circuits</i>	<i>882,335</i>	<i>1,018,170</i>	<i>1,184,522</i>	<i>1,337,378</i>	<i>1,493,426</i>
<i>JUDGESHIPS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>First Circuit District Court</i>	<i>14.0</i>	<i>14.8</i>	<i>16.1</i>	<i>17.0</i>	<i>17.8</i>
<i>Second Circuit District Court</i>	<i>2.0</i>	<i>3.0</i>	<i>3.4</i>	<i>3.8</i>	<i>4.1</i>
<i>Third Circuit District Court</i>	<i>2.0</i>	<i>2.1</i>	<i>2.3</i>	<i>2.5</i>	<i>2.6</i>
<i>Fifth Circuit District Court</i>	<i>1.4</i>	<i>1.7</i>	<i>1.9</i>	<i>2.1</i>	<i>2.2</i>
<i>Total: All Circuits</i>	<i>19.4</i>	<i>21.7</i>	<i>23.8</i>	<i>25.5</i>	<i>27.0</i>

Notes: (1) Totals reflect aggregate forecasts, not the sum of the disaggregated forecasts.  
(2) Judgeships were calculated on the basis of statutory District Judges only, excluding any assigned or per diem judges.

**Table 2**  
**All Circuits - Summary of District Court Filing Forecasts by Year, 1984-2005**

DISTRICT COURT	HISTORICAL FILINGS				PROJECTED FILINGS									
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	2000	2005
First Circuit District Court	788,836	784,822	813,672	729,841	766,669	803,497	840,325	864,461	888,598	912,734	936,871	961,007	1064396	1169498
Second Circuit District Court	72,470	73,806	66,366	75,514	80,349	85,183	90,018	94,777	99,537	104,296	109,056	113,815	137,593	160,311
Third Circuit District Court	39,357	50,820	58,904	54,089	56,635	59,180	61,726	64,346	66,967	69,587	72,208	74,828	87,419	101,075
Fifth Circuit District Court	18,797	20,893	21,279	22,891	24,258	25,624	26,991	28,652	30,313	31,973	33,634	35,295	44,380	54,165
Disaggregated Forecasts	919,460	930,341	960,221	882,335	927,910	973,485	1019060	1052237	1085414	1118591	1151768	1184945	1333788	1485049
Aggregated Filing Forecast	919,460	930,341	960,221	882,335	927,613	972,892	1018170	1051440	1084711	1117981	1151252	1184522	1337378	1493426
Variance	0.00%	0.00%	0.00%	0.00%	-0.03%	-0.06%	-0.09%	-0.08%	-0.06%	-0.05%	-0.04%	-0.04%	0.27%	0.56%
<b>Total District Court Filings</b>	<b>919,460</b>	<b>930,341</b>	<b>960,221</b>	<b>882,335</b>	<b>927,613</b>	<b>972,892</b>	<b>1018170</b>	<b>1051440</b>	<b>1084711</b>	<b>1117981</b>	<b>1151252</b>	<b>1184522</b>	<b>1337378</b>	<b>1493426</b>

Source: Carter Goble Associates, Inc., May 1988.

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**District Court Filing Forecasts**

**DISTRICT COURT FILING FORECASTS****Statewide Forecast**

Tables 3, 4, and 5 present the District Court filing forecasts for the State of Hawaii.

The District Courts of the state have shown a strong growth rate over the past 14 years, although a decline was experienced in fiscal year 1986-87. From a caseload of 549,586 filings in 1973, the workload increased to a peak of 966,111 in 1983 and again to 960,221 in 1986, before its decline last year. The ratio of filings to population has grown as well, from 645.36 filings for every 1,000 people in 1973 to a peak of a 947.63 ratio in 1983, to its present level of 811.04 filings per 1,000 people in 1987. Although civil, traffic, criminal actions, and other violations have each shown growth throughout the period, the sharp fluctuations in caseload throughout the period represents ebbs and flows in traffic filings, primarily reflecting variable traffic enforcement practices.

Table 5 illustrates the filing forecasts for the state District Courts. All models grouped fairly well together, from a low of 1.31 million in Model 2, to a high of 1.58 million in Model 9. With this close correspondence, seven models were averaged to produce a recommended forecast of approximately 1.49 million District Court filings in 2005.

**Table 3**  
**All Circuits - District Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total District Filings</b>	549,586	580,462	567,756	603,038	666,485	717,283	801,896	772,009	843,181	938,862	966,111	919,460	930,341	960,221	882,335	
- Civil	13,585	13,832	12,189	11,633	11,014	10,940	12,369	13,598	16,907	17,327	18,373	19,607	20,622	21,263	22,676	
- Traffic	507,942	530,107	519,494	549,317	617,009	665,427	743,863	711,727	772,650	869,051	897,441	847,327	853,483	872,292	794,021	
- Other Violations	14,820	17,751	16,896	25,070	19,238	20,856	24,049	22,643	27,572	26,123	23,353	24,153	23,730	36,070	32,692	
- Criminal Actions	13,239	18,772	19,177	17,018	19,224	20,060	21,525	24,041	26,052	26,361	26,944	28,373	32,506	30,596	32,946	
<b>Total Terminations</b>	540,128	568,594	570,786	597,583	657,083	689,699	788,178	727,060	859,320	913,554	965,262	879,430	900,934	899,473	807,513	757,640
Pending at End	42,216	54,084	51,054	56,509	65,911	93,495	107,123	152,072	135,933	161,241	162,090	202,120	231,527	292,214	367,036	144,975
Disposition Rate	98%	98%	101%	99%	99%	96%	98%	94%	102%	97%	100%	96%	97%	94%	92%	97%
<b>Number of FTE Judges (1,2)</b>	12.09	13.44	15.17	14.79	15.69	16.06	18.70	22.97	20.34	21.58	17.99	23.54	24.31	26.96	26.88	
<b>Filings Per Judge</b>	45,458	43,189	37,426	40,773	42,478	44,663	42,877	33,609	41,454	43,506	53,703	39,059	38,270	35,617	32,825	40,994
<b>Terminations Per Judge</b>	44,676	42,306	37,626	40,405	41,879	42,945	42,149	31,653	42,248	42,333	53,655	37,359	37,060	33,363	30,041	39,980
<b>Judges Per 100,000 Pop.</b>	1.42	1.55	1.71	1.64	1.71	1.72	1.96	2.37	2.07	2.16	1.76	2.27	2.31	2.52	2.47	1.98
<b>Filings Per 1,000 Pop.</b>	645.36	668.74	640.81	666.93	725.78	769.95	841.08	796.79	859.86	940.93	947.63	886.48	884.78	897.65	811.04	798.92
<b>State Population</b>	851,600	868,000	886,000	904,200	918,300	931,600	953,300	968,900	980,600	997,800	1019,500	1037,200	1051,500	1069,700	1087,900	

**Notes:**

(1) The number of judges appeared as fractions due to the sharing of judges among jurisdictional tiers and the use of per diem judges.

(2) From 1983 through 1987, four District Court judges from the First Circuit were excluded due to their hearing Circuit Court cases.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carter Goble Associates, Inc., May 1988.

**Table 4**  
**All Circuits - District Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	549,586	580,462	567,756	603,038	666,485	717,283	801,806	772,009	843,181	938,862	966,111	919,460	930,341	960,221	882,335	
- Civil	2.5%	2.4%	2.1%	1.9%	1.7%	1.5%	1.5%	1.8%	2.0%	1.8%	1.9%	2.1%	2.2%	2.2%	2.6%	2.0%
- Traffic	92.4%	91.3%	91.5%	91.1%	92.6%	92.8%	92.8%	92.2%	91.6%	92.6%	92.9%	92.2%	91.7%	90.8%	90.0%	91.9%
- Other Violations	2.7%	3.1%	3.0%	4.2%	2.9%	2.9%	3.0%	2.9%	3.3%	2.8%	2.4%	2.6%	2.6%	3.8%	3.7%	3.0%
- Criminal Actions	2.4%	3.2%	3.4%	2.8%	2.9%	2.8%	2.7%	3.1%	3.1%	2.8%	2.8%	3.1%	3.5%	3.2%	3.7%	3.0%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 5**  
**All Circuits - District Court Filing Projections, 1990-2005**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	549,586	580,462	567,756	603,038	666,485	717,283	801,806	772,009	843,181	938,862	966,111	919,460	930,341	960,221	882,335
Filings Per 1,000 Pop.	645.36	668.74	640.81	666.93	725.78	769.95	841.08	796.79	859.86	940.93	947.63	886.48	884.78	897.65	811.04
Hawaii State Population	851,600	868,000	886,000	904,200	918,300	931,600	953,300	968,900	980,600	997,800	1019,500	1037,200	1051,500	1069,700	1087,900

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
District Court Filings	332,749	23,768	60.5%	4.3%	779,929
Filings Per 1,000 Pop.	165.69	11.83	25.7%	1.8%	798.92

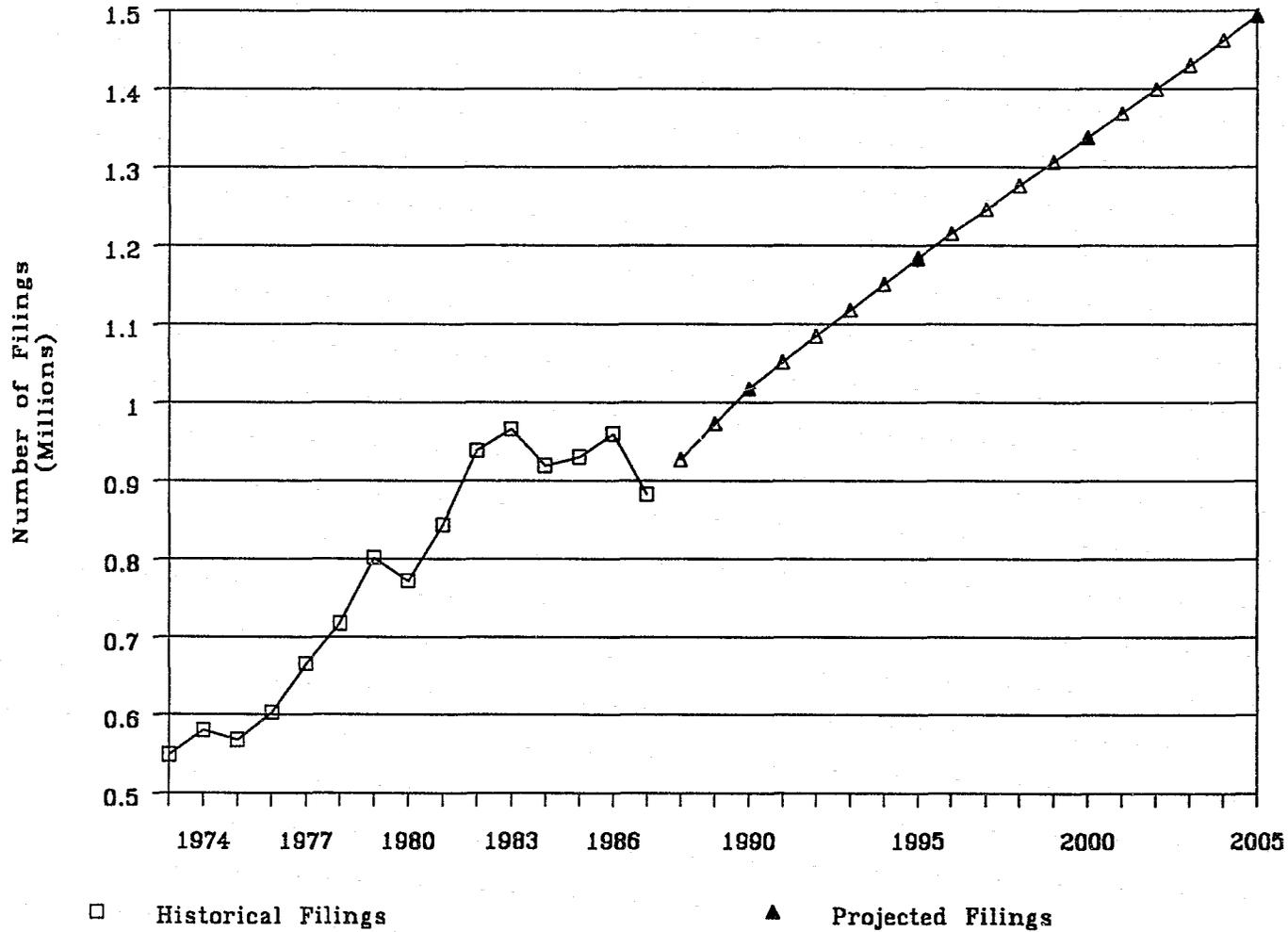
PROJECTED POPULATION	1990	1995	2000	2005
State of Hawaii	1142500	1228900	1294200	1359500

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 4.3%/year from 882,235 base	996,043	1185724	1375404	1565085	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-76 to Avg. 1984-87 = 655.5-870.0 = 214.5 = 15.32%/year from 811.04 base	979,123	1147301	1307401	1477505
2) ACTUAL NUMBER INCREASE = 23,768/year from 882,235 base	953,539	1072379	1191219	1310059	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-76 to Avg. 1984-87 Act. # = 923,089-575,211 = 347,878; Pop. = 1,061,575-877,450 = 184,125; Ratio = 347,878:184,125 = 1.889	857.00	933.60	1010.20	1086.80
3) INC. # RATIO TO POPULATION = 11.83/year from 811.04 base	967,161	1112990	1248683	1392101	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 1.889 + 882,235 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-76 to Avg. 1984-87 = 575,211-923,089 = 60.47% = 4.3%/year from 882,235 base	846.53	905.68	964.83	1023.98	10) MULTIPLE REGRESSION Formula = -1,081,903 + .01.922(Pop) Correlation = .865	985,374	1148584	1271936	1395287
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-76 to Avg. 1984-87 = 24,848/year from 882,235 base	996,043	1185724	1375404	1565085		1103851	1265812	1427773	1589735
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-76 to Avg. 1984-87 = 655.5-870.0 = 32.7% = 2.33%/year from 811.04 base	956,779	1081019	1205259	1329499		1114653	1280743	1406287	1531831
	991,383	1182470	1367586	1565043	RECOMMENDED FORECAST →				
	867.73	962.22	1056.70	1151.19	AVERAGE MODELS 4,5,6,7,8,9,10	1016170	1184522	1337378	1493426

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 5: DISTRICT COURT FILINGS

HAWAII - ALL CIRCUITS, 1973-2005



**DISTRICT COURT FILING FORECASTS****First Circuit Forecast**

Tables 6, 7, and 8 present the District Court filing forecasts for the First Circuit.

Representing the bulk of the Statewide District Court caseload, filings for the First Circuit mirror the historical caseload of the State. From 501,135 filings in 1973, filings increased to a peak of 840,048 in 1983, and experienced a decline in 1987 to the present level of 729,841 filings. Filings have also increased faster than the population, from a 724.81 ratio in 1973, to a peak of 1,058.8 in 1983, to the 1987 ratio of 875.63 filings for every 1,000 persons. The primary growth factors in the First Circuit have been traffic filings and criminal actions.

Forecasts for the First Circuit District are illustrated in Table 8. The seven models averaged together produced a filing forecast of approximately 1.17 million for the year 2005.

**Table 6**  
**First Circuit - District Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total District Filings</b>	501,135	529,380	511,048	531,264	605,801	645,922	725,241	670,531	735,094	820,297	840,048	788,836	784,822	813,672	729,841	
- Civil	10,893	10,960	9,692	9,082	8,410	8,329	9,349	9,864	12,176	12,090	12,618	13,625	13,400	13,009	14,944	
- Traffic	476,720	500,394	483,708	505,090	579,180	617,866	692,747	636,385	695,633	781,965	801,319	749,902	742,481	773,777	686,365	
- Other Violations	3,010	3,113	3,040	4,409	3,851	5,069	6,394	5,062	7,319	7,511	6,871	5,346	4,981	5,120	4,307	
- Criminal Actions	10,512	14,913	14,608	12,683	14,360	14,658	16,751	19,220	19,966	18,731	19,240	19,963	23,960	21,766	24,225	
<b>Total Terminations</b>	492,081	517,834	515,048	527,166	597,874	623,227	717,165	640,022	755,972	806,558	853,222	759,216	784,787	780,556	688,280	670,601
Pending at End	40,337	51,883	47,883	51,981	59,908	82,603	90,679	121,188	100,310	114,049	100,875	130,495	130,530	163,646	205,207	99,438
Disposition Rate	98%	98%	101%	99%	99%	96%	99%	95%	103%	98%	102%	96%	100%	96%	94%	98%
<b>Number of FTE Judges (1)</b>	8.58	9.88	11.50	11.20	12.14	12.60	14.08	17.36	15.69	16.79	13.09	16.98	17.99	20.37	19.54	
Filings Per Judge	58,407	53,581	44,439	47,434	49,901	51,264	51,509	38,625	46,851	48,856	64,175	46,457	43,625	39,945	37,351	48,161
Terminations Per Judge	57,352	52,412	44,787	47,068	49,248	49,462	50,935	36,868	48,182	48,038	65,181	44,712	43,624	38,319	35,224	47,428
Judges Per 100,000 Pop.	1.24	1.40	1.60	1.54	1.65	1.70	1.86	2.27	2.04	2.16	1.65	2.12	2.22	2.48	2.34	1.88
Filings Per 1,000 Pop.	724.81	748.13	711.17	729.46	821.98	869.81	959.31	876.74	956.16	1053.42	1058.80	983.10	967.24	989.51	875.63	888.35
Honolulu Co. Population	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,400	822,300	833,500	

**Notes:**

(1) The number of FTE judges excluded the four District Court judges who were assigned to the Circuit Court from 1983-1987, but included per diem judges.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carter Goble Associates, Inc., May 1988.

**Table 7**  
**First Circuit - District Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	501,135	529,380	511,048	531,264	605,801	645,922	725,241	670,531	735,094	820,297	840,048	788,836	784,822	813,672	729,841	
- Civil	2.2%	2.1%	1.9%	1.7%	1.4%	1.3%	1.3%	1.5%	1.7%	1.5%	1.5%	1.7%	1.7%	1.6%	2.0%	1.7%
- Traffic	95.1%	94.5%	94.7%	95.1%	95.6%	95.7%	95.5%	94.9%	94.6%	95.3%	95.4%	95.1%	94.6%	95.1%	94.0%	95.0%
- Other Violations	0.6%	0.6%	0.6%	0.8%	0.6%	0.8%	0.9%	0.8%	1.0%	0.9%	0.8%	0.7%	0.6%	0.6%	0.6%	0.7%
- Criminal Actions	2.1%	2.8%	2.9%	2.4%	2.4%	2.3%	2.3%	2.9%	2.7%	2.3%	2.3%	2.5%	3.1%	2.7%	3.3%	2.6%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 8**  
**First Circuit - District Court Filing Projections, 1990-2005**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	501,135	529,380	499,271	531,264	605,801	645,922	725,241	670,531	718,571	820,297	840,048	788,836	784,822	813,672	729,841
Filings Per 1,000 Pop.	724.81	748.13	694.78	729.46	821.98	869.81	959.31	876.74	934.67	1053.42	1058.80	983.10	967.60	989.51	875.63
Honolulu Co. Population	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,100	822,300	833,500

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
District Court Filings	228,706	16,336	45.6%	3.3%	680,309
Filings Per 1,000 Pop.	150.82	10.77	20.8%	1.5%	885.85

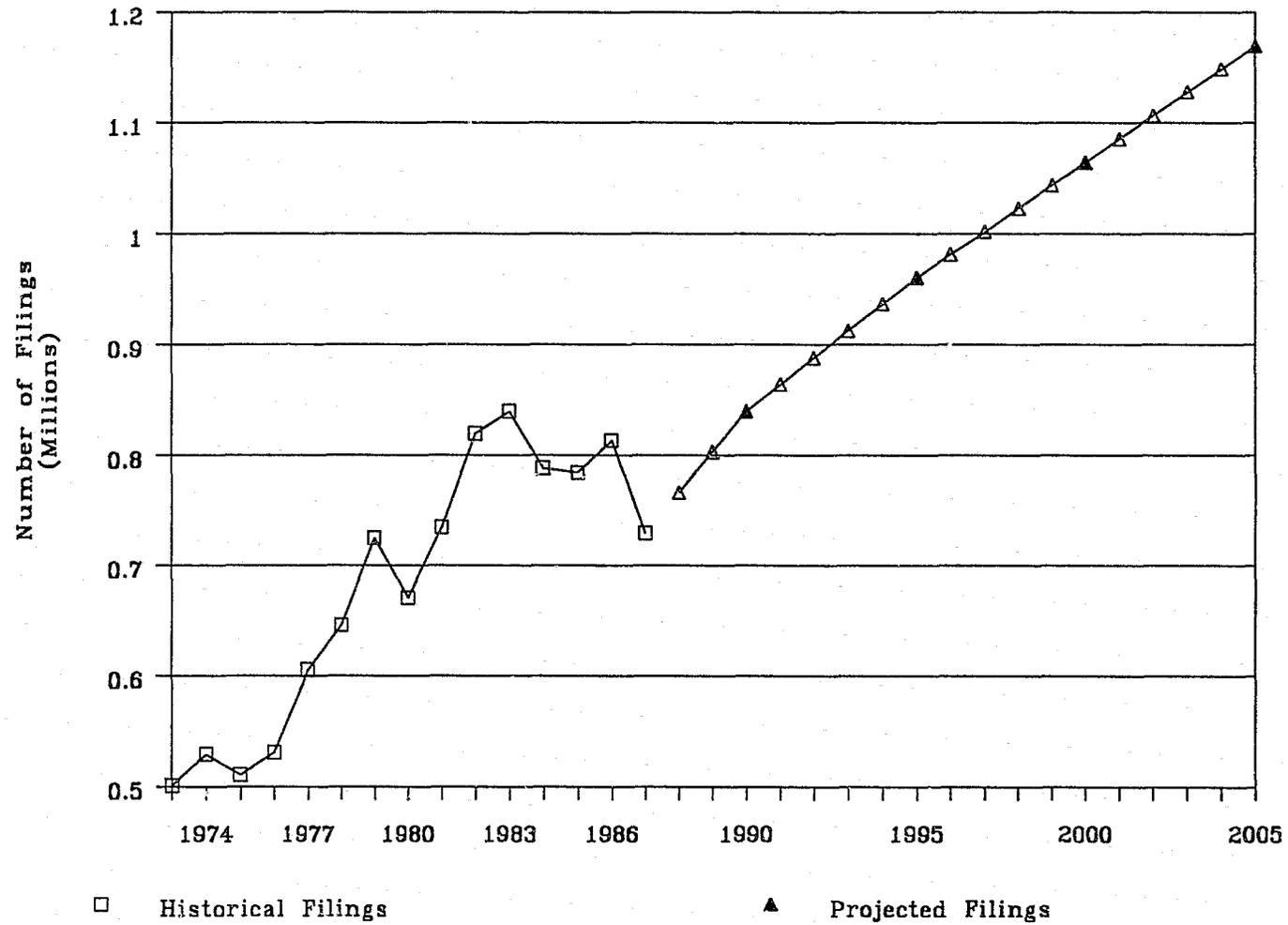
PROJECTED POPULATION	1990	1995	2000	2005
	Honolulu City and County	867,100	915,900	945,400

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 3.3%/year from 729,841 base	802,095	922,519	1042943	1163367	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-76 to Avg. 1984-87 = 724.3-954.0 = 229.7 = 16.41/year from 875.63 base	801,946	922,229	1029503	1141852
2) ACTUAL NUMBER INCREASE = 16,336/year from 729,841 base	778,849	860,529	942,209	1023889	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-76 to Avg. 1984-87 Act. # = 779,293-515,263 = 264,030; Pop. = 817,325-711,475 = 105,850; Ratio = 264,030:105,850 = 2.494	924.86	1006.91	1088.96	1171.01
3) INC. # RATIO TO POPULATION = 10.77/year from 875.63 base	787,275	880,903	960,186	1042860	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 2.494 + 729,841 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-76 to Avg. 1984-87 = 515,263-779,293 = 51.2% = 3.66%/year from 729,841 base	907.94	961.79	1015.64	1069.49	10) MULTIPLE REGRESSION Formula = -1,200,436 + 2.465(Pop) Correlation = .770	813,639	935,347	1008920	1082991
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-76 to Avg. 1984-87 = 18,859/year from 729,841 base	809,978	943,538	1077099	1210660		923,968	1044833	1165699	1286564
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-76 to Avg. 1984-87 = 724.3-954.0 = 31.7% = 2.2%/year from 875.63 base	786,418	880,713	975,008	1069303		936,957	1057248	1129965	1203176
	809,370	943,140	1064577	1191942	<b>RECOMMENDED FORECAST ==&gt;</b>				
	933.42	1029.74	1126.06	1222.38	<b>AVERAGE MODELS 4,5,6,7,8,9,10</b>	<b>840,325</b>	<b>961,007</b>	<b>1064396</b>	<b>1169498</b>

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 8: DISTRICT COURT FILINGS

HAWAII - FIRST CIRCUIT, 1973-2005



**DISTRICT COURT FILING FORECASTS**

**Second Circuit Forecast**

Tables 9, 10, and 11 present the District Court filing forecasts for the Second Circuit.

Historically, the Second Circuit has shown a very strong growth pattern in the District Court. Table 9 reveals a 273.3 percent increase in filings from 1973 to 1987, or an average of almost 20 percent per year. Only twice have there been any decreases, as the filing level grew from 20,230 filings in 1973 to its present high of 75,514 filings in 1987. The ratio to population has also more than doubled, from 378.84 filings per 1,000 persons in 1973 to 833.3 filings per 1,000 persons in 1987. All areas of the District Court have grown substantially during this 14-year time period, although traffic cases continue to be the driving factor.

The forecasts in Table 48 vary widely due to the dramatic growth in the past. The recommended forecast reflects more moderate projections than the historical trends. Five models were averaged together to produce a forecast of approximately 160,311 filings in 2005. These models represent actual number increase of approximately 85,000 filings over an 18 year period.

**Table 9**  
**Second Circuit - District Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total District Filings</b>	20,230	19,118	25,268	22,981	24,982	38,621	40,533	50,502	50,671	56,922	67,956	72,470	73,806	66,366	75,514	
- Civil	996	1,398	1,167	1,416	1,683	1,572	1,799	2,037	2,407	2,527	2,971	3,371	4,354	4,789	4,536	
- Traffic	15,701	13,226	18,819	15,545	17,106	28,741	31,739	41,176	39,168	45,535	56,135	57,326	58,879	47,141	58,295	
- Other Violations	2,704	2,837	2,958	4,106	3,832	5,816	4,759	5,232	6,446	6,036	5,614	8,351	7,297	11,255	10,197	
- Criminal Actions	829	1,657	2,324	1,914	2,361	2,492	2,236	2,057	2,650	2,824	3,236	3,422	3,276	3,181	2,486	
<b>Total Terminations</b>	19,983	18,952	24,680	21,926	23,624	34,471	35,744	37,460	46,141	46,415	51,000	63,250	49,023	45,933	48,038	37,776
Pending at End	1,015	1,181	1,769	2,824	4,182	8,332	13,121	26,163	30,693	41,200	58,156	67,376	92,159	112,592	140,068	40,055
Disposition Rate	99%	99%	98%	95%	95%	89%	88%	74%	91%	82%	75%	87%	66%	69%	64%	85%
<b>Number of FTE Judges</b>	1.30	1.35	1.40	1.38	1.41	1.39	1.57	1.42	1.52	1.55	1.66	2.66	2.53	2.53	2.73	
<b>Filings Per Judge</b>	15,562	14,161	18,049	16,653	17,718	27,785	25,817	35,565	33,336	36,724	40,937	27,244	29,172	26,232	27,661	26,174
<b>Terminations Per Judge</b>	15,372	14,039	17,629	15,888	16,755	24,799	22,767	26,380	30,356	29,945	30,723	23,778	19,377	18,155	17,596	21,571
<b>Judges Per 100,000 Pop.</b>	2.43	2.51	2.46	2.29	2.24	2.10	2.25	1.98	2.05	2.01	2.08	3.19	2.96	2.87	3.01	2.43
<b>Filings Per 1,000 Pop.</b>	378.84	355.35	444.86	381.11	396.54	583.40	581.54	705.34	683.82	739.25	849.45	867.90	863.23	753.65	833.30	627.84
<b>Maui County Population</b>	53,400	53,800	56,800	60,300	63,000	66,200	69,700	71,600	74,100	77,000	80,000	83,500	85,500	88,060	90,620	

**Notes:**

(1) In the Second Circuit, District Court judges also heard Family Court cases. The number of FTE has been apportioned according to caseload, and also includes per diem judges.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carier Goble Associates, Inc., May 1988.

**Table 10**  
**Second Circuit - District Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	20,230	19,118	25,268	22,981	24,982	38,621	40,533	50,502	50,671	56,922	67,956	72,470	73,806	66,366	75,514	
- Civil	4.9%	7.3%	4.6%	6.2%	6.7%	4.1%	4.4%	4.0%	4.8%	4.4%	4.4%	4.7%	5.9%	7.2%	6.0%	5.3%
- Traffic	77.6%	69.2%	74.5%	67.6%	68.5%	74.4%	78.3%	81.5%	77.3%	80.0%	82.6%	79.1%	79.8%	71.0%	77.2%	75.9%
- Other Violations	13.4%	14.8%	11.7%	17.9%	15.3%	15.1%	11.7%	10.4%	12.7%	10.6%	8.3%	11.5%	9.9%	17.0%	13.5%	12.9%
- Criminal Actions	4.1%	8.7%	9.2%	8.3%	9.5%	6.5%	5.5%	4.1%	5.2%	5.0%	4.8%	4.7%	4.4%	4.8%	3.3%	5.9%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 11**  
**Second Circuit - District Court Filing Projections, 1990-2005**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	20,230	19,118	25,268	22,981	24,982	38,621	40,533	50,502	50,671	56,922	67,956	72,470	73,806	66,366	75,514
Filings Per 1,000 Pop.	378.84	355.35	444.86	381.11	396.54	583.40	581.54	705.34	683.82	739.25	849.45	867.90	863.23	753.65	833.30
Maui County Population	53,400	53,800	56,800	60,300	63,000	66,200	69,700	71,600	74,100	77,000	80,000	83,500	85,500	88,060	90,620

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
District Court Filings	55,284	3,949	273.3%	19.5%	47,063
Filings Per 1,000 Pop.	454.46	32.46	120.0%	8.6%	627.84

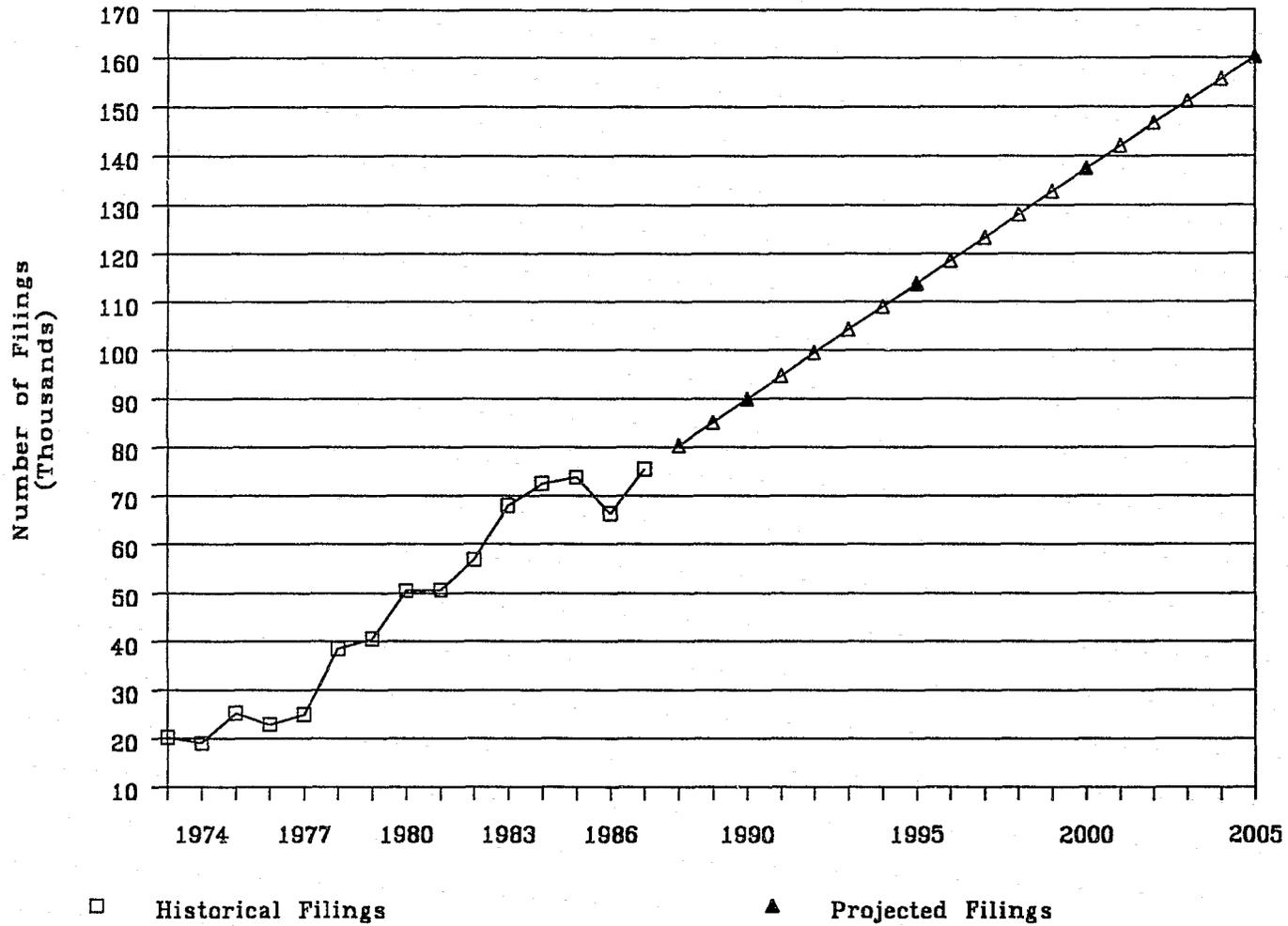
PROJECTED POPULATION	1990	1995	2000	2005
Maui County	98,300	112,500	125,700	136,900

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 19.5%/year from 75,514 base	119,690	193,316	266,942	340,568	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-77 to Avg. 1983-87 = 391.3-833.5 = 442.2 = 31.6%/year from 833.30 base	91,232	122,186	156,383	191,947
2) ACTUAL NUMBER INCREASE = 3,949/year from 75,514 base	87,361	107,106	126,851	146,596	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-77 to Avg. 1984-87 Actual # = 72,039-22,516 = 49,523; Pop. = 86,920-57,460 = 29,460; Ratio = 49,523:29,460 = 1.681	928.10	1086.10	1244.10	1402.10
3) INC. # RATIO TO POPULATION = 32.46/year from 833.30 base	91,486	122,960	157,789	194,067	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 1.681 + 75,514 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-77 to Avg. 1984-87 = 22,516-72,039 = 219.9% = 15.7%/year from 75,514 base	930.68	1092.98	1255.28	1417.58	10) MULTIPLE REGRESSION Formula = -71,370 + 1.65473(Pop) Correlation = .952	88,424	112,294	134,483	153,311
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-77 to Avg. 1984-87 = 3,537/year from 75,514 base	111,081	170,360	229,638	288,917		93,019	115,998	138,976	161,954
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-77 to Avg. 1983-87 = 391.3-833.5 = 113% = 8.1%/year from 833.30 base	86,125	103,810	121,495	139,180		91,290	114,787	136,630	155,163
	101,818	154,494	215,043	280,406	RECOMMENDED FORECAST ==>				
	1035.79	1373.28	1710.76	2048.25	AVERAGE MODELS 5,7,8,9,10	90,018	113,815	137,593	160,311

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 11: DISTRICT COURT FILINGS

HAWAII - SECOND CIRCUIT, 1973-2005



**DISTRICT COURT FILING FORECASTS****Third Circuit Forecast**

Tables 12, 13, and 14 present the District Court filing forecasts for the Third Circuit.

The historical caseload of the Third Circuit District Court is presented in Table 12. Anomalous increases and decreases in traffic filings from 1973 through 1979 created suspicion that the reporting practices or enforcement practices had changed. Based on the assumption that the traffic filing anomalies were policy-driven, the more consistent data from 1980-1987 were used in the historical analysis and forecasting models.

During this seven year period, filings increased from 40,133 in 1980 to a high of 58,904 in 1986, before decreasing to 54,089 in 1987. The ratio of filings per 1,000 population followed this same pattern, growing from 431.5 in 1980 to a high of 524.1 in 1986, before dropping to 468.06 in 1987. The major increases in case types during this period has occurred in other violations and traffic cases.

The forecasts in Table 14 utilize only the data from 1980-1987, as data prior to that period appeared inconsistent, possibly due a change in reporting or enforcement practices. Six models that clustered well together were chosen for the recommended forecast. The projected filings for the Third Circuit District Court in the year 2005 should be approximately 101,075 filings.

**Table 12**  
**Third Circuit - District Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	23,796	27,009	24,575	41,541	28,583	22,221	23,287	40,133	42,875	46,608	45,183	39,357	50,820	58,904	54,089	
- Civil	1,329	1,072	889	733	625	696	831	1,138	1,510	1,909	1,967	1,731	1,849	1,820	1,790	
- Traffic	13,086	13,552	13,087	24,958	16,756	13,257	14,995	30,293	30,912	31,735	32,299	27,769	39,046	40,484	35,337	
- Other Violations	7,825	10,823	8,830	13,908	9,226	6,399	5,501	6,589	7,984	9,520	7,999	6,582	6,342	12,555	12,534	
- Criminal Actions	1,556	1,562	1,769	1,942	1,976	1,869	1,960	2,113	2,469	3,444	2,918	3,275	3,583	4,045	4,428	
Total Terminations	23,695	26,906	24,265	41,195	28,587	21,668	22,472	38,785	43,037	45,561	48,227	40,058	50,337	57,060	51,888	37,583
Pending at End	591	694	1,004	1,350	1,346	1,899	2,714	4,062	3,900	4,947	1,903	1,202	1,685	3,529	5,730	2,437
Disposition Rate	100%	100%	99%	99%	100%	98%	97%	97%	100%	98%	107%	102%	99%	97%	96%	99%
Number of FTE Judges (1,2)	1.50	1.50	1.55	1.50	1.45	1.40	2.40	2.88	2.40	2.51	2.57	2.42	2.33	2.58	3.14	
Filings Per Judge	15,864	18,006	15,855	27,694	19,712	15,872	9,703	13,935	17,865	18,569	17,581	16,263	21,811	22,831	17,226	17,919
Terminations Per Judge	15,797	17,937	15,655	27,463	19,715	15,477	9,363	13,467	17,932	18,152	18,765	16,553	21,604	22,116	16,525	17,768
Judges Per 100,000 Pop.	2.03	2.03	2.00	1.86	1.75	1.63	2.68	3.10	2.47	2.50	2.50	2.26	2.13	2.30	2.72	2.26
Filings Per 1,000 Pop.	322.00	364.99	317.51	514.76	345.21	258.68	260.48	431.54	442.01	465.15	438.67	367.14	464.11	524.15	468.06	398.96
Hawaii County Population	73,900	74,000	77,400	80,700	82,800	85,900	89,400	93,000	97,000	100,200	103,000	107,200	109,500	112,380	115,560	

**Notes:**

- (1) In the Third Circuit, Circuit and District Court judges heard Family Court cases. The number of FTE judges has been apportioned to time spent on each case type.
- (2) An earlier published report showed slightly different numbers of per diem judges, but the difference averaged less than .05 of a judge, and statistically insignificant.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 13**  
**Third Circuit - District Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	23,796	27,009	24,575	41,541	28,583	22,221	23,287	40,133	42,875	46,608	45,183	39,357	50,820	58,904	54,089	
- Civil	5.6%	4.0%	3.6%	1.8%	2.2%	3.1%	3.6%	2.8%	3.5%	4.1%	4.4%	4.4%	3.6%	3.1%	3.3%	3.5%
- Traffic	55.0%	50.2%	53.3%	60.1%	58.6%	59.7%	64.4%	75.5%	72.1%	68.1%	71.5%	70.6%	76.8%	68.7%	65.3%	64.7%
- Other Violations	32.9%	40.1%	35.9%	33.5%	32.3%	28.8%	23.6%	16.4%	18.6%	20.4%	17.7%	16.7%	12.5%	21.3%	23.2%	24.9%
- Criminal Actions	6.5%	5.8%	7.2%	4.7%	6.9%	8.4%	8.4%	5.3%	5.8%	7.4%	6.5%	8.3%	7.1%	6.9%	8.2%	6.9%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
Carter Goble Associates, Inc., May 1988.

**Table 14**  
**Third Circuit - District Court Filing Projections, 1990-2005**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1979-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	23,796	27,009	24,575	41,541	28,583	22,221	23,287	40,133	42,875	46,608	45,183	39,357	50,820	58,904	54,089
Filings Per 1,000 Pop.	322.00	364.99	317.51	514.76	345.21	258.68	260.48	431.54	442.01	465.15	438.67	367.14	464.11	524.15	468.06
Hawaii County Population	73,900	74,000	77,400	80,700	82,800	85,900	89,400	93,000	97,000	100,200	103,000	107,200	109,500	112,380	115,560

FORECAST PERIOD: 1980-1987	# Change		% Change		1973-87
	Number	Per Year	Percent	Per Year	Average
District Filings (1)	13,956	1,994	34.8%	5.0%	47,246
Filings Per 1,000 Pop.	36.52	5.22	8.5%	1.2%	450.10

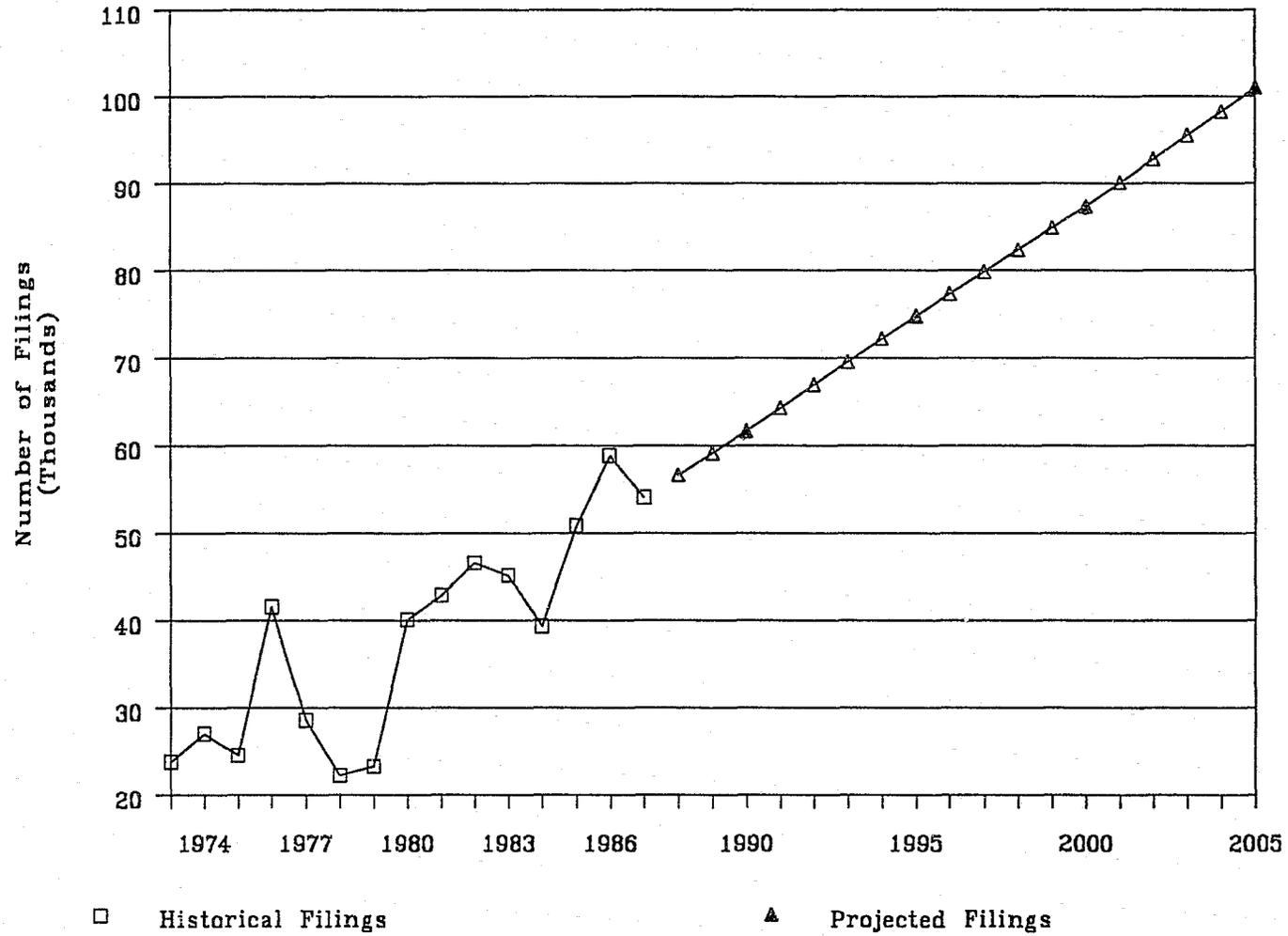
PROJECTED POPULATION	1990	1995	2000	2005
	Hawaii County	125,100	141,100	155,200

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 5.0%/year from 54,089 base	62,202	75,725	89,247	102,769	7) MODIFIED INC. # RATIO TO POP. = Avg. 1980-81 to Avg. 1985-87 = 436.78-485.44 = 48.66 = 6.95/year from 468.06 base	61,163	73,888	86,665	101,312
2) ACTUAL NUMBER INCREASE = 1,994/year from 54,089 base	60,071	70,041	80,011	89,981	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1980-81 to Avg. 1986-87 Actual # = 56,497-41,504 = 14,993; Pop. = 113,970-98,600 = 15,370; Ratio = 14,993:15,370 = 0.975	488.91	523.66	558.41	593.16
3) INC. # RATIO TO POPULATION = 5.22/year from 468.06 base	60,513	71,936	83,175	95,993	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 0.975 + 54,089 base			
4) MODIFIED HISTORICAL TREND = Avg. 1980-81 to Avg. 1986-87 = 41,504-56,497 = 36.1% = 5.16%/year from 54,089 base	483.72	509.82	535.92	562.02	10) MULTIPLE REGRESSION Formula = -30,422 + .73113(Pop) Correlation = .725	63,391	76,991	92,738	107,948
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1980-81 to Avg. 1986-87 = 2,142/year from 54,089 base	62,462	76,417	90,372	104,327		60,935	72,436	83,937	95,438
6) MODIFIED INC. % RATIO TO POP. = Avg. 1980-81 to Avg. 1985-87 = 436.78-485.44 = 11.1% = 1.6%/year from 468.06 base	60,515	71,225	81,935	92,645		61,043	72,741	83,050	94,455
	61,365	74,497	87,753	102,969	<b>RECOMMENDED FORECAST →</b>				
	490.53	527.97	565.42	602.86	<b>AVERAGE MODELS 4,6,7,8,9,10</b>	<b>61,726</b>	<b>74,828</b>	<b>87,419</b>	<b>101,075</b>

Notes:  
 (1) Anomalous increases and decreases in traffic filings from 1975-1979 created suspicion that the reporting practices or enforcement practices had changed. Based on the assumption that the traffic filing anomalies were policy-driven, the more consistent data from 1980-1987 were used in the forecasting models.  
 Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 14: DISTRICT COURT FILINGS

HAWAII - THIRD CIRCUIT, 1973-2005



**DISTRICT COURT FILING FORECASTS****Fifth Circuit Forecast**

Tables 15, 16, and 17 present the District Court filing forecasts for the Fifth Circuit.

The Fifth Circuit District Court has shown the most dramatic percentage increase in filings of all the circuits. From 1973 to 1987, filings increased 417.3 percent, or almost 30 percent per year. In 1973, there were 4,425 filings, or 134.5 filings for every 1,000 persons. In 1987, there were 22,891 filings, or 477.29 filings for every 1,000 persons. Traffic cases have shown the most dramatic growth, followed by other violations, criminal actions, and civil cases.

The forecasts in Table 17 reflect the staggering growth in the system. Based solely a historical percentage, filings in 2005 would approach 146,000. This would be an increase in the actual number of filings of 124,000 filings during an 18 year period, compared with the increase of 18,000 filings during the 15 year period from 1973 to 1987. This obviously too aggressive forecast is a good example of the reason why percentage-based projections are rarely used in isolation.

A more moderate forecast was produced by averaging the five models that clustered the best together: 5, 7, 8, 9, and 10. The recommended forecast for the year 2005 for the Fifth Circuit District Court is approximately 54,165 filings.

**Table 15**  
**Fifth Circuit - District Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total District Filings</b>	4,425	4,955	6,865	7,252	7,119	10,519	12,745	10,843	14,541	15,035	12,924	18,797	20,893	21,279	22,891	
- Civil	367	402	441	402	296	343	390	559	814	801	817	880	1,019	1,645	1,406	
- Traffic	2,435	2,935	3,880	3,724	3,967	5,563	4,382	3,873	6,937	9,816	7,688	12,330	13,077	10,890	14,024	
- Other Violations	1,281	978	2,068	2,647	2,329	3,572	7,395	5,760	5,823	3,056	2,869	3,874	5,110	7,140	5,654	
- Criminal Actions	342	640	476	479	527	1,041	578	651	967	1,362	1,550	1,713	1,687	1,604	1,807	
<b>Total Terminations</b>	4,369	4,902	6,793	7,296	6,998	10,333	12,797	10,793	14,170	15,020	12,813	16,906	16,787	15,924	19,307	11,681
Pending at End	273	326	398	354	455	661	609	659	1,030	1,045	1,156	3,047	7,153	12,447	16,031	3,043
Disposition Rate	99%	99%	99%	101%	98%	98%	100%	100%	97%	100%	99%	90%	80%	75%	84%	95%
<b>Number of FTE Judges (1)</b>	0.71	0.71	0.72	0.71	0.69	0.67	0.65	1.31	0.73	0.73	0.67	1.48	1.46	1.48	1.47	
<b>Filings Per Judge</b>	6,232	6,979	9,535	10,214	10,317	15,700	19,608	8,277	19,919	20,596	19,290	12,701	14,310	14,378	15,572	13,575
<b>Terminations Per Judge</b>	6,154	6,904	9,435	10,276	10,142	15,422	19,688	8,239	19,411	20,575	19,124	11,423	11,498	10,759	13,134	12,812
<b>Judges Per 100,000 Pop.</b>	2.16	2.18	2.16	2.03	1.94	1.82	1.71	3.32	1.80	1.74	1.55	3.35	3.22	3.17	3.07	2.35
<b>Filings Per 1,000 Pop.</b>	134.50	151.99	205.54	207.79	200.54	285.84	334.51	275.20	358.15	358.83	299.86	425.27	460.20	455.85	477.29	308.76
<b>Kauai County Population</b>	32,900	32,600	33,400	34,900	35,500	36,800	38,100	39,400	40,600	41,900	43,100	44,200	45,400	46,680	47,960	

**Notes:**

(1) Total FTE judges were listed as fractions due to the fact that District Court judges also heard Family Court cases, therefore judicial time has been apportioned by caseload.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carter Goble Associates, Inc., May 1988.

**Table 16**  
**Fifth Circuit - District Court Filings**  
**Historical Analysis By Proportions, 1973-1987**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	4,425	4,955	6,865	7,252	7,119	10,519	12,745	10,843	14,541	15,035	12,924	18,797	20,893	21,279	22,891	
- Civil	8.3%	8.1%	6.4%	5.5%	4.2%	3.3%	3.1%	5.2%	5.6%	5.3%	6.3%	4.7%	4.9%	7.7%	6.1%	5.6%
- Traffic	55.0%	59.2%	56.5%	51.4%	55.7%	52.9%	34.4%	35.7%	47.7%	65.3%	59.5%	65.6%	62.6%	51.2%	61.3%	54.3%
- Other Violations	28.9%	19.7%	30.1%	36.5%	32.7%	34.0%	58.0%	53.1%	40.0%	20.3%	22.2%	20.6%	24.5%	33.6%	24.7%	31.9%
- Criminal Actions	7.7%	12.9%	6.9%	6.6%	7.4%	9.9%	4.5%	6.0%	6.7%	9.1%	12.0%	9.1%	8.1%	7.5%	7.9%	8.2%
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 17**  
**Fifth Circuit - District Court Filing Projections, 1990-2005**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	4,425	4,955	6,865	7,252	7,119	10,519	12,745	10,843	14,541	15,035	12,924	18,797	20,893	21,279	22,891
Filings Per 1,000 Pop.	134.50	151.99	205.54	207.79	200.54	285.84	334.51	275.20	358.15	358.83	299.86	425.27	460.20	455.85	477.29
Kauai County Population	32,900	32,600	33,400	34,900	35,500	36,800	38,100	39,400	40,600	41,900	43,100	44,200	45,400	46,680	47,960

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
District Court Filings	18,466	1,319	417.3%	29.8%	12,739
Filings Per 1,000 Pop.	342.80	24.49	254.9%	18.2%	308.76

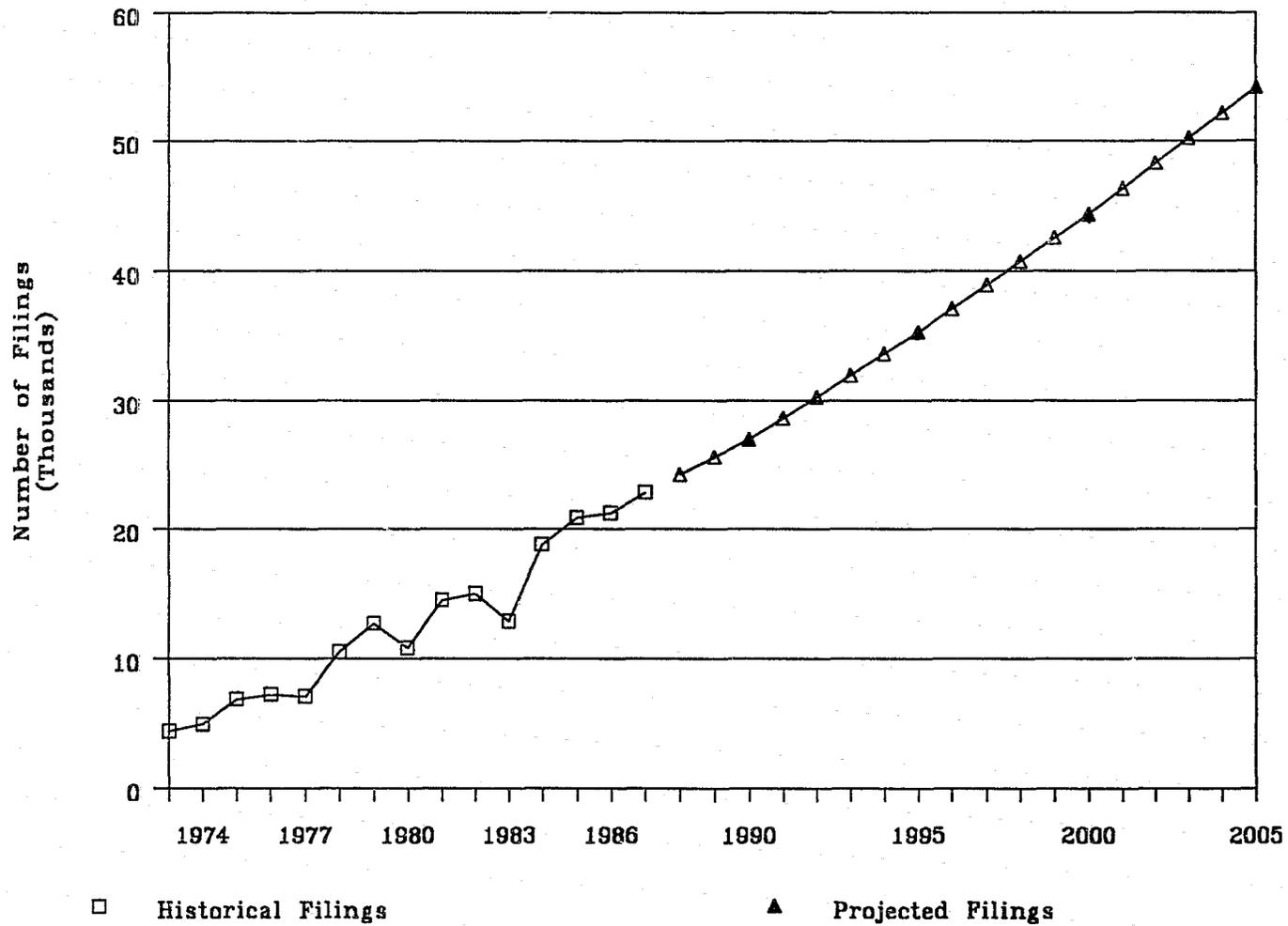
PROJECTED POPULATION	1990	1995	2000	2005
Kauai County	51,800	59,500	67,900	76,800

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 29.8%/year from 22,891 base	43,356	77,463	111,571	145,678	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-74 to Avg. 1984-87 = 143.2-454.7 = 311.5 = 22.3/year from 477.29 base	28,181	38,990	52,048	67,414
2) ACTUAL NUMBER INCREASE = 1,319/year from 22,891 base	26,848	33,443	40,038	46,633	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-74 to Avg. 1984-87 Actual # = 20,965-4,690 = 16,275; Pop. = 46,060-32,750 = 13,310; Ratio = 16,275:13,310 = 1.2227	544.04	655.29	766.54	877.79
3) INC. # RATIO TO POPULATION = 24.49/year from 477.29 base	28,529	40,056	54,025	70,511	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 1.2227 + 22,891 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-74 to Avg. 1984-87 = 4,690-20,965 = 310.7% = 22.1%/year from 22,891 base	550.76	673.21	795.66	918.11	10) MULTIPLE REGRESSION Formula = -32,690 + 1.14827(Pop) Correlation = .946	27,586	37,001	47,272	58,154
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-74 to Avg. 1984-87 = 1,163/year from 22,891 base	38,068	63,362	88,657	113,951		26,016	32,655	39,294	45,933
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-74 to Avg. 1984-87 = 143.2-454.7 = 218% = 15.5%/year from 477.29 base	26,380	32,195	38,010	43,825		26,791	35,632	45,278	55,497
	36,220	63,613	97,710	138,926	RECOMMENDED FORECAST =>				
	699.23	1069.13	1439.03	1808.93	AVERAGE MODELS 5,7,8,9,10	26,991	35,295	44,380	54,165

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 17: DISTRICT COURT FILINGS

HAWAII - FIFTH CIRCUIT, 1973-2005



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**District Court Judgeship Forecasts**

**DISTRICT COURT JUDGESHIP FORECASTS**

**Statewide Forecast**

Tables 18 and 19 present the District Court judgeship forecasts for the State of Hawaii.

Table 18 summarizes the historical judgeship data for the state from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Judgeships are broken down in the following manner: (1) Statutory judgeships, which were determined by proportioning the caseload among Family Court and District Court and arriving at reasonable termination rates, have increased from 11.5 to 19.4; (2) the four District Court judges assigned to the First Circuit Court; (3) Per diem judges which increased from 0.58 to 11.48; and (4) Total Full-time Equivalency (FTE) Judges which include the statutory and per diem judges, but exclude those assigned to the Circuit Court, as this is the total number of judges currently hearing District Court cases. Total FTE judges have increased from 12.09 to 26.88 for the period.

Filings and terminations per judge were calculated using two methods. The first based caseload on the number of statutory judgeships, while the second approach based caseload on the total number of FTE judges hearing District Court cases. The historical growth and termination rates of statutory judgeships were used in Table 19 to forecast future judgeships.

Table 19 presents the judgeship projections for the District Court.

Model 1, the actual number increase, projects future judgeships based on past growth. The rate of change in the past has averaged an additional 0.56 judgeships per year, and should this trend continue, there would be 29.5 judgeships by the year 2005, up from the 1986-87 level of 19.4 judges. Model 2 projects future judgeships based on a ratio to the state population. The average ratio for the period was 2.01 judges for every

**DISTRICT COURT JUDGESHIP FORECASTS**

100,000 persons, and this translates to a forecast of 27.3 judges in 2005. Model 3 is a caseload model in which terminations per judge are measured with projected case filings to determine the required number of judgeships. Model 3A uses an average termination rate for the 14-year period of 46,865 terminations per judge, which means almost 32 judges would be required to meet the projected caseload. Model 3B uses the highest termination rate of the period, 1983, when there were 59,991 terminations per judge, and if this level can be maintained, 24.9 judgeships would be required in 2005. Finally, Model 3C utilizes an increasing termination rate, and again, as with the other Courts, assumes that with greater system efficiencies and technological advances to expand productivity, terminations per judge will increase at an average rate of 550 cases per year. This new termination rate translates into the need for 27.0 District Court judges in the year 2005.

The recommended forecast for the state was Model 3C, projecting a need for judgeships to grow from the present level of 19.4, to a level of 27.0 in 2005.

**Table 18**  
**All Circuits - District Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	549,586	580,462	567,756	603,038	666,485	717,283	801,806	772,009	843,181	938,862	966,111	919,460	930,341	960,221	882,335	
Total Terminations	540,128	568,594	570,786	597,583	657,083	689,699	788,178	727,060	859,320	913,554	965,262	879,430	900,934	899,473	807,513	757,640
Pending at End	42,216	54,084	51,054	56,509	65,911	93,495	107,123	152,072	135,933	161,241	162,090	202,120	231,527	292,214	367,036	144,975
Disposition Rate	98%	98%	101%	99%	99%	96%	98%	94%	102%	97%	100%	96%	97%	94%	92%	97%
Judgeships:																
— Statutory	11.51	12.56	14.67	14.59	15.55	15.46	16.44	16.29	16.19	16.19	16.09	18.45	19.45	19.40	19.40	
— (-) Assigned to Circuit Ct. (1)	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	
— (+) Per Diem	0.58	0.88	0.50	0.20	0.14	0.60	2.26	6.68	4.15	5.39	5.90	9.09	8.86	11.56	11.48	
Total FTE Judges:	12.09	13.44	15.17	14.79	15.69	16.06	18.70	22.97	20.34	21.58	17.99	23.54	24.31	26.96	26.88	
Statutory Judgeships (2):																
— Filings per Judge	47,749	46,215	38,702	41,332	42,861	46,396	48,772	47,392	52,080	57,990	60,044	49,835	47,832	49,496	45,481	48,145
— Terminations per Judge	46,927	45,270	38,908	40,958	42,256	44,612	47,943	44,632	53,077	56,427	59,991	47,666	46,321	46,365	41,624	46,865
Total FTE Judgeships (3):																
— Filings per Judge	45,458	43,189	37,426	40,773	42,478	44,663	42,877	33,609	41,454	43,506	53,703	39,059	38,270	35,617	32,825	40,994
— Terminations per Judge	44,676	42,306	37,626	40,405	41,879	42,945	42,149	31,653	42,248	42,333	53,655	37,359	37,060	33,363	30,041	39,980

**Notes:**

(1) From 1983-1987, four District Court judges were assigned to the Circuit Court.

(2) Statutory Judgeships: Filings and terminations per judge computed with the assigned Circuit Court judgeships, but excluding per diem judges.

(3) Total FTE Judgeships: Filings and terminations per judge computed excluding the assigned Circuit Court judgeships, but including per diem judges.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carter Goble Associates, Inc., May 1988.

**Table 19**  
**All Circuits - District Court Judgeship Projections, 1990-2005**

ALL CIRCUITS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	549,586	580,462	567,756	603,038	666,485	717,283	801,806	772,009	843,181	938,862	966,111	919,460	930,341	960,221	882,335
District Court Terminations	540,128	568,594	570,786	597,583	657,083	689,699	788,178	727,060	859,320	913,554	965,262	879,430	900,934	899,473	807,513
Disposition Rate	98%	98%	101%	99%	99%	96%	98%	94%	102%	97%	100%	96%	97%	94%	92%
Pending at End	42,216	54,084	51,054	56,509	65,911	93,495	107,123	152,072	135,933	161,241	162,090	202,120	231,527	292,214	367,036
Number of FTE Judges	12.09	13.44	15.17	14.79	15.69	16.06	18.70	22.97	20.34	21.58	17.99	23.54	24.31	26.96	26.88
Judges per 100,000 Pop.	1.42	1.55	1.71	1.64	1.71	1.72	1.96	2.37	2.07	2.16	1.76	2.27	2.31	2.52	2.47
Filings Per Judge	45,458	43,189	37,426	40,773	42,478	44,663	42,877	33,609	41,454	43,506	53,703	39,059	38,270	35,617	32,825
Terminations Per Judge	44,676	42,306	37,626	40,405	41,879	42,945	42,149	31,653	42,248	42,333	53,655	37,359	37,060	33,363	30,041

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	14.79	1.06	122.3%	8.7%	
Judges per 100,000 Pop.	1.05	0.08	74.0%	5.3%	2.01
Terminations Per Judge	(14,634)	(1,045)	-32.8%	-2.3%	39,814

PROJECTIONS	1990	1995	2000	2005
	State of Hawaii Population	1142500	1228900	1294200
District Court Filings	1018170	1184522	1337378	1493426

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.56/year from 19.40 base	21.1	23.9	26.7	29.5	<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Avg. 1973-1987 = 46,865 terms./judge  B) High Termination Rate: 1983 = 59,991 terminations per judge  C) Increasing Termination Rate: Increase 550 terminations per year from 45,494 base (Avg. 1984-87)	21.7	25.3	28.5	31.9
<b>2) AVERAGE RATIO TO POPULATION</b> = 1973-87 = 2.01	23.0	24.7	26.0	27.3		17.0	19.7	22.3	24.9
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.	2.01	2.01	2.01	2.01		21.7	23.8	25.5	27.0
					<b>RECOMMENDED FORECAST =&gt;</b>				
					<b>MODEL 3C</b>	<b>21.7</b>	<b>23.8</b>	<b>25.5</b>	<b>27.0</b>

Source: Carter Goble Associates, Inc., May 1988.

**DISTRICT COURT JUDGESHIP FORECASTS****First Circuit Forecast**

Tables 20 and 21 present the District Court judgeship forecasts for the First Circuit.

As with the statewide table, Table 20 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Judgeships are broken down in the following manner: (1) Statutory judgeships which have increased from 8 to 14; (2) the four District Court judges assigned to Circuit Court; (3) Per diem judges which have increased from 0.58 to 9.54; and (3) Total Full-time Equivalency (FTE) Judges, which include the statutory and per diem judges, but exclude the assigned District judges, which have increased from 8.58 to 19.54.

Filings and terminations per judge were determined for statutory judges, and also for the total FTE judges hearing District Court cases. The historical growth and termination rates of statutory judgeships were used in Table 21 to forecast future judgeships.

Table 21 presents the judgeship projections for the District Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the First Circuit was Model 3C, projecting a need for judgeships to increase from the present level of 14.0, to a level of 17.8 in 2005.

**Table 20**  
**First Circuit - District Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	501,135	529,380	511,048	531,264	605,801	645,922	725,241	670,531	735,094	820,297	840,048	788,836	784,822	813,672	729,841	
Total Terminations	492,081	517,834	515,048	527,166	597,874	623,227	717,165	640,022	755,972	806,558	853,222	759,216	784,787	780,556	688,280	670,601
Pending at End	40,337	51,883	47,883	51,981	59,908	82,603	90,679	121,188	100,310	114,049	100,875	130,495	130,530	163,646	205,207	99,438
Disposition Rate	98%	98%	101%	99%	99%	96%	99%	95%	103%	98%	102%	96%	100%	96%	94%	98%
Judgeships:																
- Statutory	8	9	11	11	12	12	12	12	12	12	12	13	14	14	14	
- (-) Assigned to Circuit Ct. (1)	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	
- (+) Per Diem	0.58	0.88	0.50	0.20	0.14	0.60	2.08	5.36	3.69	4.79	5.09	7.98	7.99	10.37	9.54	
Total FTE Judges:	8.58	9.88	11.50	11.20	12.14	12.60	14.08	17.36	15.69	16.79	13.09	16.98	17.99	20.37	19.54	
Statutory Judgeships (2):																
- Filings per Judge	62,642	58,820	46,459	48,297	50,483	53,827	60,437	55,878	61,258	68,358	70,004	60,680	56,059	58,119	52,132	57,563
- Terminations per Judge	61,510	57,537	46,823	47,924	49,823	51,936	59,764	53,335	62,998	67,213	71,102	58,401	56,056	55,754	49,163	56,623
Total FTE Judgeships (3):																
- Filings per Judge	58,407	53,581	44,439	47,434	49,901	51,264	51,509	38,625	46,851	48,856	64,175	46,457	43,625	39,945	37,351	48,161
- Terminations per Judge	57,352	52,412	44,787	47,068	49,248	49,462	50,935	36,868	48,182	48,038	65,181	44,712	43,624	38,319	35,224	47,428

Notes:

(1) From 1983-1987, four District Court judges were assigned to the Circuit Court.

(2) Statutory Judgeships: Filings and terminations per judge computed with the assigned Circuit Court judgeships, but excluding the per diem judges.

(3) Total FTE Judgeships: Filings and terminations per judge computed without the assigned Circuit Court judgeships, but with per diem judges.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carter Goble Associates, Inc., May 1988.

**Table 21**  
**First Circuit - District Court Judgeship Projections, 1990-2005**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	501,135	529,380	511,048	531,264	605,801	645,922	725,241	670,531	735,094	820,297	840,048	788,836	784,822	813,672	729,841
District Court Terminations	492,081	517,834	515,048	527,166	597,874	623,227	717,165	640,022	755,972	806,558	853,222	759,216	784,787	780,556	688,280
Disposition Rate	98%	98%	101%	99%	99%	96%	99%	95%	103%	98%	102%	96%	100%	96%	94%
Pending at End	40,337	51,883	47,883	51,981	59,908	82,603	90,679	121,188	100,310	114,049	100,875	130,495	130,530	163,646	205,207
Number of FTE Judges	8.58	9.88	11.50	11.20	12.14	12.60	14.08	17.36	15.69	16.79	17.09	20.98	21.99	24.37	23.54
Judges per 100,000 Pop.	1.24	1.40	1.60	1.54	1.65	1.70	1.86	2.27	2.04	2.16	2.15	2.61	2.71	2.96	2.82
Filings Per Judge	58,407	53,581	44,439	47,434	49,901	51,264	51,509	38,625	46,851	48,856	49,154	37,599	35,690	33,388	31,004
Terminations Per Judge	57,352	52,412	44,787	47,068	49,248	49,462	50,935	36,868	48,182	48,038	49,925	36,188	35,688	32,029	29,239

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	14.96	1.07	174.4%	12.5%	45,180
Judges per 100,000 Pop.	1.58	0.11	127.6%	9.1%	
Terminations Per Judge	(28,113)	(2,008)	-49.0%	-3.5%	

PROJECTIONS	1990	1995	2000	2005
	Honolulu County Population	859,300	896,900	925,700
District Court Filings	840,325	961,007	1064396	1169498

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.43/year from 14.0 base		15.3	17.4	19.6	21.7				
<b>2) AVERAGE RATIO TO POPULATION</b> = 1973-87 = 2.05		17.6	18.4	19.0	19.6				
		2.05	2.05	2.05	2.05				
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.									
					<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Avg. 1973-1987 = 56,623 terms./judge	14.8	17.0	18.8	20.7
					B) High Termination Rate: 1983 = 71,102 terminations per judge	11.8	13.5	15.0	16.4
					C) Increasing Termination Rate: Increase 600 terminations per year from 54,844 base (Avg. 1984-87)	14.8	16.1	17.0	17.8
					56,700	59,700	62,700	65,700	
					<b>RECOMMENDED FORECAST ==&gt;</b>  <b>MODEL 3C</b>	14.8	16.1	17.0	17.8

Source: Carter Goble Associates, Inc., May 1988.

**DISTRICT COURT JUDGESHIP FORECASTS****Second Circuit Forecast**

Tables 22 and 23 present the District Court judgeship forecasts for the Second Circuit.

Table 22 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Statutory judgeships in the Second Circuit have increased from 1.3 to 2.0, while the use of per diem judges has increased from 0.0 to 0.73. Total FTE judgeships have increased from 1.30 to 2.73.

Table 23 presents the judgeship projections for the District Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the Second Circuit was Model 3C, projecting a need for judgeships to increase from the 1987 level of 2.0, to a level of 4.1 in 2005.

**Table 22**  
**Second Circuit - District Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	20,230	19,118	25,268	22,981	24,982	38,621	40,533	50,502	50,671	56,922	67,956	72,470	73,806	66,366	75,514	
Total Terminations	19,983	18,952	24,680	21,926	23,624	34,471	35,744	37,460	46,141	46,415	51,000	63,250	49,023	45,933	48,038	37,776
Pending at End	1,015	1,181	1,769	2,824	4,182	8,332	13,121	26,163	30,693	41,200	58,156	67,376	92,159	112,592	140,068	40,055
Disposition Rate	99%	99%	98%	95%	95%	89%	88%	74%	91%	82%	75%	87%	66%	69%	64%	85%
Judgeships:																
— Statutory (1)	1.30	1.35	1.40	1.38	1.41	1.39	1.39	1.39	1.39	1.39	1.39	2.00	2.00	2.00	2.00	
— Per Diem	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.03	0.13	0.16	0.27	0.66	0.53	0.53	0.73	
Total FTE Judges:	1.30	1.35	1.40	1.38	1.41	1.39	1.57	1.42	1.52	1.55	1.66	2.66	2.53	2.53	2.73	
Statutory Judgeships:																
— Filings per Judge	15,562	14,161	18,049	16,653	17,718	27,785	29,160	36,332	36,454	40,951	48,889	36,235	36,903	33,183	37,757	29,719
— Terminations per Judge	15,372	14,039	17,629	15,888	16,755	24,799	25,715	26,950	33,195	33,392	36,691	31,625	24,512	22,967	24,019	24,236
Total FTE Judgeships:																
— Filings per Judge	15,562	14,161	18,049	16,653	17,718	27,785	25,817	35,565	33,336	36,724	40,937	27,244	29,172	26,232	27,661	26,174
— Terminations per Judge	15,372	14,039	17,629	15,888	16,755	24,799	22,767	26,380	30,356	29,945	30,723	23,778	19,377	18,155	17,596	21,571

Notes:

(1) In the Second Circuit, District Court judges also heard Family Court cases. Judicial time spent on District and Family Court cases has been apportioned accordingly.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carter Goble Associates, Inc., May 1988.

**Table 23**  
**Second Circuit - District Court Judgeship Projections, 1990-2005**

SECOND CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	20,230	19,118	25,268	22,981	24,982	38,621	40,533	50,502	50,671	56,922	67,956	72,470	73,806	66,366	75,514
District Court Terminations	19,983	18,952	24,680	21,926	23,624	34,471	35,744	37,460	46,141	46,415	51,000	63,250	49,023	45,933	48,038
Disposition Rate	99%	99%	98%	95%	95%	89%	88%	74%	91%	82%	75%	87%	66%	69%	64%
Pending at End	1,015	1,181	1,769	2,824	4,182	8,332	13,121	26,163	30,693	41,200	58,156	67,376	92,159	112,592	140,068
Number of FTE Judges	1.30	1.35	1.40	1.38	1.41	1.39	1.57	1.42	1.52	1.55	1.66	2.66	2.53	2.53	2.73
Judges per 100,000 Pop.	2.43	2.51	2.46	2.29	2.24	2.10	2.25	1.98	2.05	2.01	2.08	3.19	2.96	2.87	3.01
Filings Per Judge	15,562	14,161	18,049	16,653	17,718	27,785	25,817	35,565	33,336	36,724	40,937	27,244	29,172	26,232	27,661
Terminations Per Judge	15,372	14,039	17,629	15,888	16,755	24,799	22,767	26,380	30,356	29,945	30,723	23,778	19,377	18,155	17,596

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	1.43	0.10	110.0%	7.9%	2.35
Judges per 100,000 Pop.	0.58	0.04	23.7%	1.7%	
Terminations Per Judge	2,225	159	14.5%	1.0%	

PROJECTIONS	1990	1995	2000	2005
	Maui County Population	98,300	112,500	125,700
District Court Filings	90,018	113,815	137,593	160,311

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005	
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.05/year from 2.0 base					<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Avg. 1973-1987 = 24,236 terms./judge  B) High Termination Rate: 1983 = 36,691 terminations per judge  C) Increasing Termination Rate: Increase 600 terminations per year from 28,387 base (Avg 1977-87)					
	2.2	2.4	2.7	2.9			3.7	4.7	5.7	6.6
<b>2) AVERAGE RATIO TO POPULATION</b> = 1973-87 = 2.35	2.3	2.6	3.0	3.2			2.5	3.1	3.8	4.4
	2.35	2.35	2.35	2.35		3.0	3.4	3.8	4.1	
						30,200	33,200	36,200	39,200	
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.					<b>RECOMMENDED FORECAST</b> ⇒  <b>MODEL 3C</b>	3.0	3.4	3.8	4.1	

Source: Carter Goble Associates, Inc., May 1988.

**DISTRICT COURT JUDGESHIP FORECASTS****Third Circuit Forecast**

Tables 24 and 25 present the District Court judgeship forecasts for the Third Circuit.

Table 24 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Judgeships are broken down in the following manner: (1) Statutory judgeships which have increased from 1.5 to 2.0; (2) Per diem judges which have increased from 0.0 to 1.14; and (3) Total Full-time Equivalency (FTE) Judges which include the statutory and assigned Circuit judges, which have increased from 1.50 to 3.14 for the period.

Filings and terminations per judge were determined for statutory judges, and also for the total FTE judges hearing District Court cases. The historical growth and termination rates of statutory judgeships were used in Table 25 to forecast future judgeships.

Table 25 presents the judgeship projections for the District Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the Third Circuit was Model 3C, projecting a need for judgeships to grow from the present level of 2.0, to a level of 2.6 in 2005.

**Table 24**  
**Third Circuit - District Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	23,796	27,009	24,575	41,541	28,583	22,221	23,287	40,133	42,875	46,608	45,183	39,357	50,820	58,904	54,089	
Total Terminations	23,695	26,906	24,265	41,195	28,587	21,668	22,472	38,785	43,037	45,561	48,227	40,058	50,337	57,060	51,888	37,583
Pending at End	591	694	1,004	1,350	1,346	1,899	2,714	4,062	3,900	4,947	1,903	1,202	1,685	3,529	5,730	2,437
Disposition Rate	100%	100%	99%	99%	100%	98%	97%	97%	100%	98%	107%	102%	99%	97%	96%	99%
Judgeships:																
-- Statutory (1,2)	1.50	1.50	1.55	1.50	1.45	1.40	2.40	2.25	2.15	2.15	2.05	2.05	2.05	2.00	2.00	
-- Per Diem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.25	0.36	0.52	0.37	0.28	0.58	1.14	
Total FTE Judges:	1.50	1.50	1.55	1.50	1.45	1.40	2.40	2.88	2.40	2.51	2.57	2.42	2.33	2.58	3.14	
Statutory Judgeships:																
-- Filings per Judge	15,864	18,006	15,855	27,694	19,712	15,872	9,703	17,837	19,942	21,678	22,040	19,199	24,790	29,452	27,045	20,313
-- Terminations per Judge	15,797	17,937	15,655	27,463	19,715	15,477	9,363	17,238	20,017	21,191	23,525	19,540	24,555	28,530	25,944	20,130
Total FTE Judgeships:																
-- Filings per Judge	15,864	18,006	15,855	27,694	19,712	15,872	9,703	13,935	17,865	18,569	17,581	16,263	21,811	22,831	17,226	17,919
-- Terminations per Judge	15,797	17,937	15,655	27,463	19,715	15,477	9,363	13,467	17,932	18,152	18,765	16,553	21,604	22,116	16,525	17,768

Notes:

- (1) In the Third Circuit, Circuit and District Court judges heard Family Court cases. The number of FTE judge has been apportioned according to the caseload of each type.
- (2) An earlier published report showed slightly different numbers of per diem judges, but the difference averages less than .05 of a judge, and statistically insignificant.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 25**  
**Third Circuit - District Court Judgeship Projections, 1990-2005**

THIRD CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	23,796	27,009	24,575	41,541	28,583	22,221	23,287	40,133	42,875	46,608	45,183	39,357	50,820	58,904	54,089
District Court Terminations	23,695	26,906	24,265	41,195	28,587	21,668	22,472	38,785	43,037	45,561	48,227	40,058	50,337	57,060	51,888
Disposition Rate	100%	100%	99%	99%	100%	98%	97%	97%	100%	98%	107%	102%	99%	97%	96%
Pending at End	591	694	1,004	1,350	1,346	1,899	2,714	4,062	3,900	4,947	1,903	1,202	1,685	3,529	5,730
Number of FTE Judges	1.50	1.50	1.55	1.50	1.45	1.40	2.40	2.88	2.40	2.51	2.57	2.42	2.33	2.58	3.14
Judges per 100,000 Pop.	2.06	1.99	1.98	1.85	1.73	1.61	2.67	3.10	2.50	2.53	2.51	2.29	2.14	2.30	2.74
Filings Per Judge	15,864	18,006	15,855	27,694	19,712	15,872	9,703	13,935	17,865	18,569	17,581	16,263	21,811	22,831	17,226
Terminations Per Judge	15,797	17,937	15,655	27,463	19,715	15,477	9,363	13,467	17,932	18,152	18,765	16,553	21,604	22,116	16,525

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	1.64	0.12	109.3%	7.8%	2.27
Judges per 100,000 Pop.	0.68	0.05	32.7%	2.3%	
Terminations Per Judge	728	52	4.6%	0.3%	

PROJECTIONS	1990	1995	2000	2005
	Hawaii County Population	125,100	141,100	155,200
District Court Filings	61,875	75,136	88,261	100,646

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.04/year from 2.00 base	2.1	2.3	2.5	2.7	<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Avg. 1973-1987 = 20,130 terms./judge  B) High Termination Rate: 1986 = 28,530 terminations per judge  C) Increasing Termination Rate: Increase 600 terminations per year from 27,237 base (Avg. 1986-87)	3.1	3.7	4.4	5.0
<b>2) AVERAGE RATIO TO POPULATION</b> = 1973-87 = 2.27	2.8	3.2	3.5	3.9		2.2	2.6	3.1	3.5
	2.27	2.27	2.27	2.27		2.1	2.3	2.5	2.6
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.					<b>RECOMMENDED FORECAST</b> ⇒  <b>MODEL 3C</b>	29,100	32,100	35,100	38,100
						2.1	2.3	2.5	2.6

Source: Carter Goble Associates, Inc., May 1988.

**DISTRICT COURT JUDGESHIP FORECASTS**

**Fifth Circuit Forecast**

Tables 26 and 27 present the District Court judgeship forecasts for the Fifth Circuit.

Table 26 summarizes the historical judgeship data for the Circuit from fiscal year 1972-73 to fiscal year 1986-87. Filings, terminations, pending cases, and the disposition rate for each year in the period is given. Statutory judgeships in the Fifth Circuit have increased from 0.71 to 1.40, while the use of per diem judges increased from 0.00 to 0.07. Total FTE judgeships increased from 0.71 to 1.47.

Table 27 presents the judgeship projections for the District Court.

The forecasting models followed the same method as the statewide models. Model 1 is based on historical growth in the number of statutory judgeships; Model 2 is based on the ratio of judges to population; and Model 3 is based on statutory judgeship termination rates and forecasted caseload.

The recommended forecast for the Fifth Circuit was Model 3C, projecting a need for judgeships to increase from the 1987 level of 1.4, to a level of 2.2 in 2005.

**Table 26**  
**Fifth Circuit - District Court Filings, Terminations, and Judgeships**  
**Comparison of Statutory and Full-time Equivalency (FTE) Judgeships, 1973-1987**

FIFTH CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	4,425	4,955	6,865	7,252	7,119	10,519	12,745	10,843	14,541	15,035	12,924	18,797	20,893	21,279	22,891	
Total Terminations	4,369	4,902	6,793	7,296	6,998	10,333	12,797	10,793	14,170	15,020	12,813	16,906	16,787	15,924	19,307	11,681
Pending at End	273	326	398	354	455	661	609	659	1,030	1,045	1,156	3,047	7,153	12,447	16,031	3,043
Disposition Rate	99%	99%	99%	101%	98%	98%	100%	100%	97%	100%	99%	90%	80%	75%	84%	95%
Judgeships:																
- Statutory (1)	0.71	0.71	0.72	0.71	0.69	0.67	0.65	0.65	0.65	0.65	0.65	1.40	1.40	1.40	1.40	
- Per Diem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.08	0.08	0.02	0.08	0.06	0.08	0.07	
Total FTE Judges:	0.71	0.71	0.72	0.71	0.69	0.67	0.65	1.31	0.73	0.73	0.67	1.48	1.46	1.48	1.47	
Statutory Judgeships:																
- Filings per Judge	6,232	6,979	9,535	10,214	10,317	15,700	19,608	16,682	22,371	23,131	19,883	13,426	14,924	15,199	16,351	14,703
- Terminations per Judge	6,154	6,904	9,435	10,276	10,142	15,422	19,688	16,605	21,800	23,168	19,712	12,076	11,991	11,374	13,791	13,898
Total FTE Judgeships:																
- Filings per Judge	6,232	6,979	9,535	10,214	10,317	15,700	19,608	8,277	19,919	20,596	19,290	12,701	14,310	14,378	15,572	13,575
- Terminations per Judge	6,154	6,904	9,435	10,276	10,142	15,422	19,688	8,239	19,411	20,575	19,124	11,423	11,498	10,759	13,134	12,812

**Notes:**

(1) Statutory judgeships were shown as fractions due to the fact that District Court judges also heard Family Court cases. The judicial time has been apportioned by caseload.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 27**  
**Fifth Circuit - District Court Judgeship Projections, 1990-2005**

<b>FIFTH CIRCUIT</b>	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	4,425	4,955	6,865	7,252	7,119	10,519	12,745	10,843	14,541	15,035	12,924	18,797	20,893	21,279	22,891
District Court Terminations	4,369	4,902	6,793	7,296	6,998	10,333	12,797	10,793	14,170	15,020	12,813	16,906	16,787	15,924	19,307
Disposition Rate	99%	99%	99%	101%	98%	98%	100%	100%	97%	100%	99%	90%	80%	75%	84%
Pending at End	273	326	398	354	455	661	609	659	1,030	1,045	1,156	3,047	7,153	12,447	16,031
<b>Number of FTE Judges</b>	0.71	0.71	0.72	0.71	0.69	0.67	0.65	1.31	0.73	0.73	0.67	1.48	1.46	1.48	1.47
Judges per 100,000 Pop.	2.16	2.18	2.16	2.03	1.94	1.82	1.71	3.32	1.80	1.74	1.55	3.35	3.22	3.17	3.07
Filings Per Judge	6,232	6,979	9,535	10,214	10,317	15,700	19,608	8,277	19,919	20,596	19,290	12,701	14,310	14,378	15,572
Terminations Per Judge	6,154	6,904	9,435	10,276	10,142	15,422	19,688	8,239	19,411	20,575	19,124	11,423	11,498	10,759	13,134

<b>FORECAST PERIOD:</b> 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Number of FTE Judges	0.76	0.05	107.0%	7.6%	2.36
Judges per 100,000 Pop.	0.91	0.06	42.0%	3.0%	
Terminations Per Judge	6,980	499	113.4%	8.1%	

<b>PROJECTIONS</b>	1990	1995	2000	2005
	Kauai County Population	51,800	59,500	67,900
District Court Filings	26,991	35,295	44,380	54,165

<b>FORECAST MODELS</b>	1990	1995	2000	2005	<b>FORECAST MODELS</b>	1990	1995	2000	2005
<b>1) ACTUAL NUMBER INCREASE</b> = The actual number model is based on the increase of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for number of statutory judgeships.  = 0.05/year from 1.40 base	1.6	1.8	2.1	2.3	<b>3) CASELOAD MODELS:</b>  A) Average Termination Rate: Avg. 1973-1987 = 13,898 terms./judge  B) High Termination Rate: 1982 = 23,108 terminations per judge  C) Increasing Termination Rate: Increase 600 terminations per year from 13,791 base (1987)	1.9	2.5	3.2	3.9
<b>2) AVERAGE RATIO TO POPULATION</b> = 1984-87 = 3.20	1.7	1.9	2.2	2.5		1.2	1.5	1.9	2.3
	3.20	3.20	3.20	3.20		1.7	1.9	2.1	2.2
<b>3) CASELOAD MODEL</b> = The following caseload models are based on termination rates of statutory judgeships only, exclusive of any assigned or per diem judges. Refer to the preceding table for terminations per statutory judge.					<b>RECOMMENDED FORECAST →</b>  <b>MODEL 3C</b>	1.7	1.9	2.1	2.2

Source: Carter Goble Associates, Inc., May 1988.

FIRST CIRCUIT DISTRICT COURT



**FIRST CIRCUIT DISTRICT COURT**

**FIRST CIRCUIT DISTRICT COURT**

This section on the First Circuit District Court is presented in two parts. Part 1 disaggregates the total District filings by case type in an effort to illustrate the individual forecasts of traffic, civil, criminal, and other violations cases. Part 2 disaggregates the total District filings by judicial district in an attempt to determine the individual growth and need areas on the Island of Oahu. Judgeships were also projected for each judicial district, and this information was used in the redistricting plan described in Volume IV: Executive Summary and Capital Improvements Plan.

**District Court Filing Forecasts by Case Type**

Traffic filings generally constitute the largest majority of District Court filings. In the First Circuit, traffic cases comprise 94 percent of all cases filed in the District Court. For this reason, forecasts of other case types tend to be obscured by the sheer volume of traffic filings. It is therefore illustrative to disaggregate traffic forecasts, from civil, criminal, and other violations forecasts.

Tables 1 through 5 present these disaggregated forecasts. Table 1 is a summary of filing projections by case type.

Table 2 depicts the forecast models and recommended forecast for traffic filings. Traffic filings have increased from roughly 475,000 in FY 1972-73 to 686,000 in FY 1986-87, an increase of almost 15,000 cases per year over the 14-year period. The forecast for

**FIRST CIRCUIT DISTRICT COURT**

the year 2005 projects approximately 1.1 million filings, for an increase of nearly 23,000 cases per year.

Table 3 presents the forecasts for District Civil filings. From approximately 11,000 filings in FY 1972-73, filings levels have increased to nearly 15,000 in 1986-87, an increase of 4,000 cases for the period. Projections call for 19,401 civil filings by the year 2005, an increase of 4,400 cases for the period.

Table 4 highlights the forecasts for District Criminal filings. Showing a strong growth pattern, criminal filings have increased nearly 1,000 cases per year to its present level of 24,225. This strong trend is expected to continue as filings approach 44,500 by the year 2005.

Finally, Other Violations filings are shown in Table 5. These types of filings have witnessed asymmetrical growth patterns, and for the period, increased by only 93 filings per year. Forecasts project this case type to increase from its FY 1986-87 level of 4,307 filings to 6,768 filings by 2005, an average annual increase of 137 cases.

**Table 1**  
**First Circuit**  
**Disaggregated District Court Filing Forecasts by Case Type, 1990-2005**

TYPE OF FILING	1987	PROJECTED FILINGS			
		1990	1995	2000	2005
Traffic Filings	686,365	791,703	904,508	1,001,078	1,099,249
Civil Filings	14,944	15,427	16,834	18,111	19,401
Criminal Filings	24,225	27,593	33,289	38,816	44,488
Other Violations Filings	4,307	4,752	5,474	6,114	6,768
<b>Total Disaggregated Forecasts</b>	<b>729,841</b>	<b>839,475</b>	<b>960,105</b>	<b>1,064,119</b>	<b>1,169,906</b>
<b>Aggregated Forecast</b>	<b>729,841</b>	<b>840,325</b>	<b>961,007</b>	<b>1,064,396</b>	<b>1,169,498</b>
<b>Variance</b>	<b>0.00%</b>	<b>0.10%</b>	<b>0.09%</b>	<b>0.03%</b>	<b>-0.03%</b>

Source: Carter Goble Associates, Inc., May 1988.

**Table 2**  
**First Circuit - District Court Traffic Filing Projections, 1990-2005**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Traffic Filings	476,720	500,394	483,708	505,090	579,180	617,866	692,747	636,385	695,633	781,965	801,319	749,902	742,481	773,777	686,365
Filings Per 1,000 Pop.	689.50	707.17	673.13	693.52	785.86	832.03	916.33	832.09	904.83	1004.19	1009.98	934.57	915.40	940.99	823.47
Honolulu Co. Population	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,100	822,300	833,500

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87
	Number	Per Year	Percent	Per Year	Average
Traffic Filings	209,645	14,975	44.0%	3.1%	648,235
Filings Per 1,000 Pop.	133.97	9.57	19.4%	1.4%	844.20

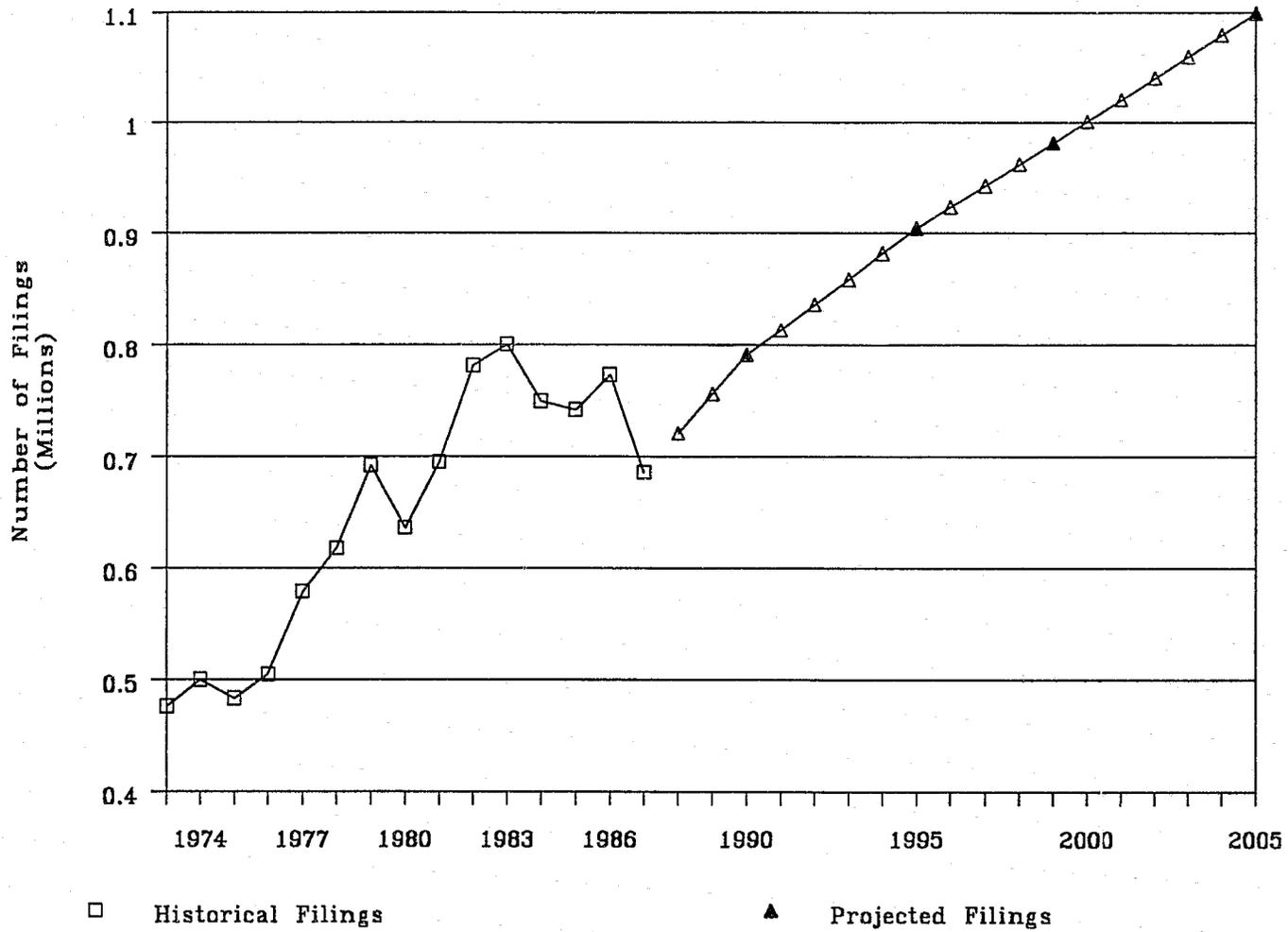
PROJECTED POPULATION	1990	1995	2000	2005
	Honolulu City and County	867,100	915,900	945,400

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 3.1%/year from 686,365 base	750,197	856,584	962,970	1069357	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-76 to Avg. 1984-87 = 690.83-903.61 = 212.78 = 15.20/year from 823.47 base	753,571	865,590	965,320	1069753
2) ACTUAL NUMBER INCREASE = 14,975/year from 686,365 base	731,290	806,165	881,040	955,915	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-76 to Avg. 1984-87 Act. # = 491,478-738,131 = 246,653; Pop. = 817,325-711,475 = 105,850; Ratio = 246,653:105,850 = 2.33	869.07	945.07	1021.07	1097.07
3) INC. # RATIO TO POPULATION = 9.57/year from 823.47 base	738,925	824,337	896,126	970,936	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 2.33 + 686,365 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-76 to Avg. 1984-87 = 491,478-738,131 = 50.2% = 3.58%/year from 686,365 base	852.18	900.03	947.88	995.73	10) MULTIPLE REGRESSION Formula = -1,124,420 + 2.32085(Pop) Correlation = .753	764,653	878,357	947,092	1016293
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-76 to Avg. 1984-87 = 17,618/year from 686,365 base	760,081	882,940	1005799	1128659	RECOMMENDED FORECAST ==>	875,251	989,156	1103061	1216966
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-76 to Avg. 1984-87 = 690.83-903.61 = 30.8% = 2.2%/year from 823.47 base	761,157	886,958	1001162	1120940	AVERAGE MODELS 4,5,6,7,8,9,10	887,989	1001247	1069712	1138641
	877.82	968.40	1058.98	1149.56		791,703	904,508	1001078	1099249

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 2: TRAFFIC FILINGS

FIRST CIRCUIT DISTRICT COURT, 1973-2005



**Table 3**  
**First Circuit - District Court Civil Filing Projections, 1990-2005**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Civil Filings	10,893	10,960	9,692	9,082	8,410	8,329	9,349	9,864	12,176	12,090	12,618	13,625	13,400	13,009	14,944
Filings Per 1,000 Pop.	15.75	15.49	13.49	12.47	11.41	11.22	12.37	12.90	15.84	15.53	15.90	16.98	16.52	15.82	17.93
Honolulu Co. Population	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,100	822,300	833,500

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Civil Filings	4,051	289	37.2%	2.7%	11,229
Filings Per 1,000 Pop.	2.17	0.16	13.8%	1.0%	14.64

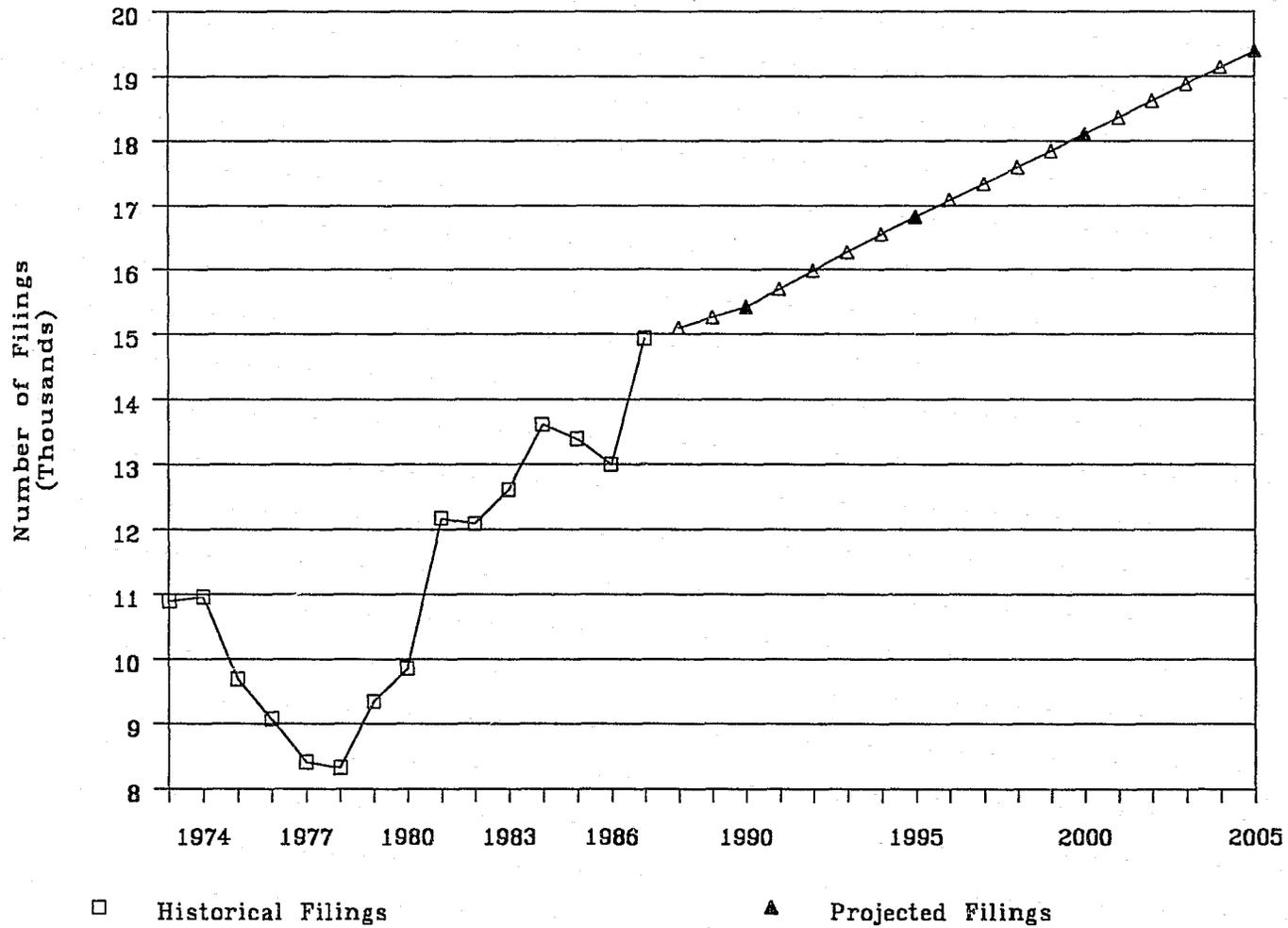
PROJECTED POPULATION	1990	1995	2000	2005
	Honolulu City and County	867,100	915,900	945,400

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 2.7%/year from 14,944 base	16,154	18,172	20,189	22,207	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-74 to Avg. 1986-87 = 15.62-16.88 = 1.26 = 0.09/year from 17.93 base	15,781	17,082	18,057	19,063
2) ACTUAL NUMBER INCREASE = 289/year from 14,944 base	15,811	17,256	18,701	20,146		18.20	18.65	19.10	19.55
3) INC. # RATIO TO POPULATION = 0.16/year from 17.93 base	15,963	17,594	18,917	20,292	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-74 to Avg. 1986-87 Act. # = 10,927-13,977 = 3,050; Pop. = 699,500-827,900 = 128,400; Ratio = 3,050:128,400 = 0.0238	Formula: Future population - 1987 population = x; x * 0.0238 + 14,944 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-74 to Avg. 1986-87 = 10,927-13,977 = 27.9% = 2.0%/year from 14,944 base	18.41	19.21	20.01	20.81		15,744	16,905	17,607	18,314
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-74 to Avg. 1986-87 = 218/year from 14,944 base	15,841	17,335	18,829	20,324	9) LINEAR REGRESSION (Least Squares Analysis)	14,103	15,893	17,683	19,473
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-74 to Avg. 1986-87 = 15.62-16.88 = 8.0% = 0.57%/year from 17.93 base	15,598	16,688	17,778	18,868	10) MULTIPLE REGRESSION Formula = -16,669 + 0.03653(Pop) Correlation = .581	15,006	16,789	17,866	18,951
	15,813	17,171	18,207	19,277	RECOMMENDED FORECAST ==>				
	18.24	18.75	19.26	19.77	AVERAGE MODELS 4,5,6,7,9	15,427	16,834	18,111	19,401

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 3: CIVIL FILINGS

FIRST CIRCUIT DISTRICT COURT, 1973-2005



**Table 4**  
**First Circuit - District Court Criminal Actions Filing Projections, 1990-2005**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Criminal Actions Filings	10,512	14,913	14,608	12,683	14,360	14,658	16,751	19,220	19,966	18,731	19,240	19,963	23,960	21,766	24,225
Filings Per 1,000 Pop.	15.20	21.08	20.33	17.41	19.48	19.74	22.16	25.13	25.97	24.05	24.25	24.88	29.54	26.47	29.06
Honolulu Co. Population	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,100	822,300	833,500

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Criminal Actions Filings	13,713	980	130.5%	9.3%	17,704
Filings Per 1,000 Pop.	13.86	0.99	91.2%	6.5%	22.98

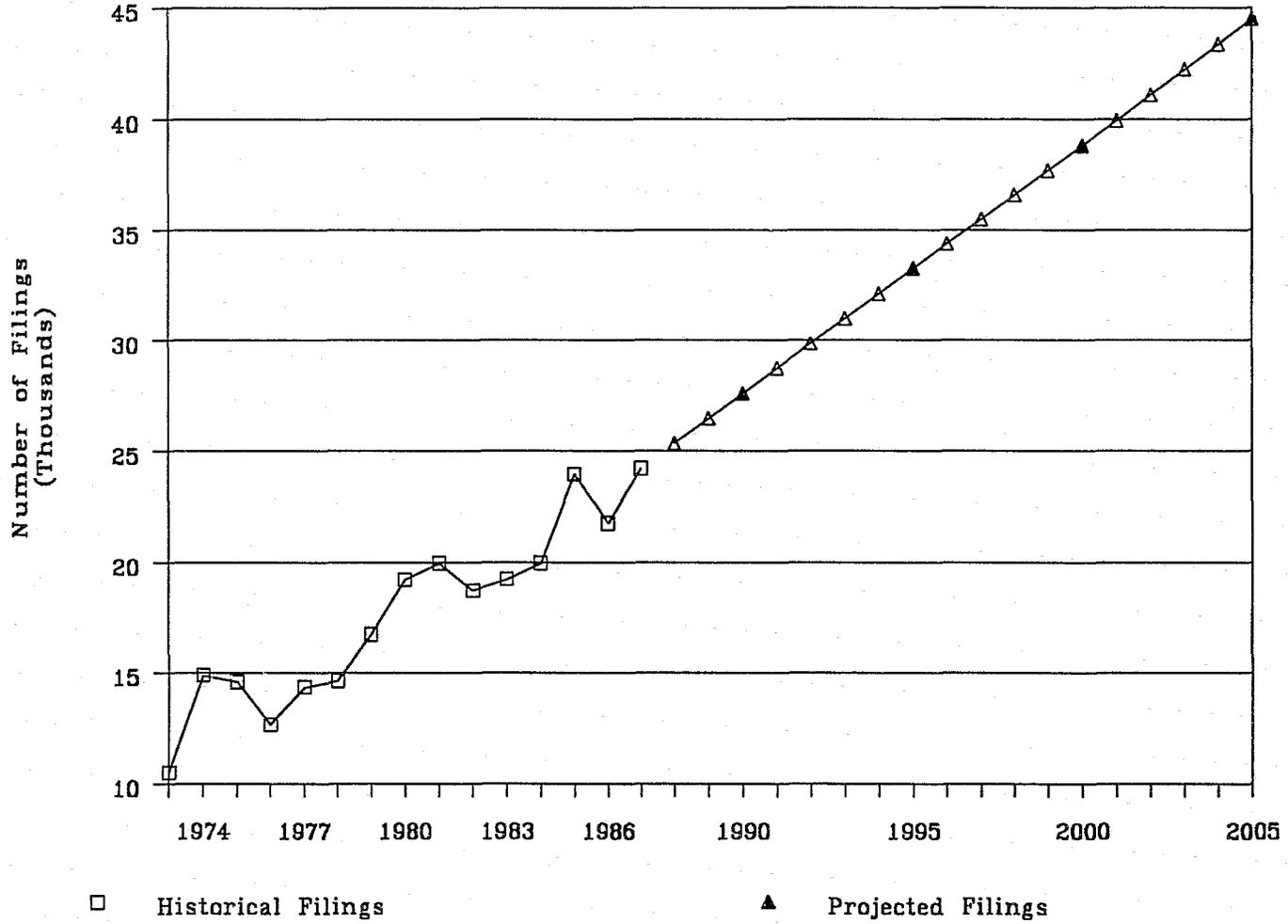
PROJECTED POPULATION	1990	1995	2000	2005
	Honolulu City and County	867,100	915,900	945,400

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 9.3%/year from 24,225 base	30,984	42,248	53,513	64,778	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-74 to Avg. 1985-87 = 18.14-28.36 = 10.22 = 0.73/year from 29.06 base	27,097	31,965	33,445	41,149
2) ACTUAL NUMBER INCREASE = 980/year from 24,225 base	27,165	32,065	36,965	41,865		31.25	34.90	38.55	42.20
3) INC. # RATIO TO POPULATION = 0.99/year from 29.06 base	27,773	33,870	39,641	45,713	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-74 to Avg. 1985-87 Act. # = 12,713-23,317 = 10,604; Pop. = 699,500-822,400 = 122,900; Ratio = 10,604:122,900 = 0.0863	Formula: Future population - 1987 population = x; x * 0.0863 + 24,225 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-74 to Avg. 1985-87 = 12,713-23,317 = 83.4% = 5.96%/year from 24,225 base	32.03	36.98	41.93	46.88		27,125	31,336	33,882	36,445
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-74 to Avg. 1985-87 = 757/year from 24,225 base	28,556	35,775	42,995	50,214	9) LINEAR REGRESSION (Least Squares Analysis)	25,174	29,439	33,704	37,969
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-74 to Avg. 1985-87 = 18.14-28.36 = 56.3% = 4.0/year from 29.06 base	26,496	30,281	34,066	37,851	10) MULTIPLE REGRESSION Formula = -49,859 + 0.08846(Pop) Correlation = .889	26,845	31,162	33,771	36,398
	28,222	35,133	41,759	48,739	<b>RECOMMENDED FORECAST ==&gt;</b>				
	32.55	38.36	44.17	49.98	<b>AVERAGE MODELS 4,5,6,7</b>	<b>27,593</b>	<b>33,289</b>	<b>38,816</b>	<b>44,488</b>

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 4: CRIMINAL ACTIONS FILINGS

FIRST CIRCUIT DISTRICT COURT, 1973-2005



**Table 5**  
**First Circuit - District Court Other Violations Filing Projections, 1990-2005**

FIRST CIRCUIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Other Violation Filings	3,010	3,113	3,040	4,409	3,851	5,069	6,394	5,062	7,319	7,511	6,871	5,346	4,981	5,120	4,307
Filings Per 1,000 Pop.	4.35	4.40	4.23	6.05	5.23	6.83	8.46	6.62	9.52	9.65	8.66	6.66	6.14	6.23	5.17
Honolulu Co. Population	691,400	707,600	718,600	728,300	737,000	742,600	756,000	764,800	768,800	778,700	793,400	802,400	811,100	822,300	833,500

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
Other Violation Filings	1,297	93	43.1%	3.1%	5,027
Filings Per 1,000 Pop.	0.81	0.06	18.7%	1.3%	6.55

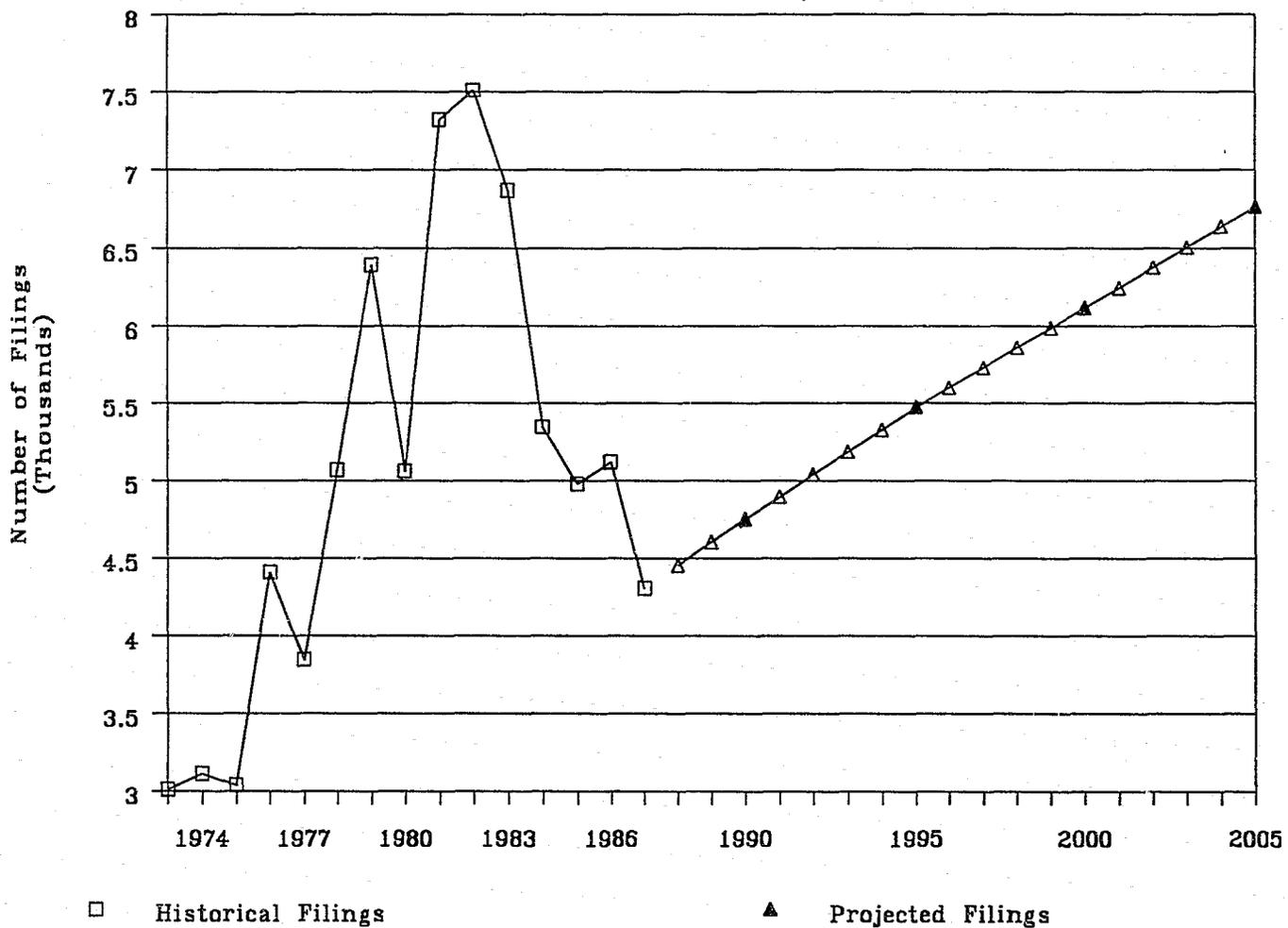
PROJECTED POPULATION	1990	1995	2000	2005
	Honolulu City and County	867,100	915,900	945,400

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 3.1%/year from 4,307 base	4,708	5,375	6,043	6,710	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 4.33-5.70 = 1.37 = 0.098/year from 5.17 base	4,738 5.46	5,453 5.95	6,092 6.44	6,761 6.93
2) ACTUAL NUMBER INCREASE = 93/year from 4,307 base	4,586	5,051	5,516	5,981	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-75 to Avg. 1986-87 Act. # = 3,054-4,714 = 1,660; Pop. = 705,867-827,900 = 122,033; Ratio = 1,660:122,033 = 0.0136	Formula: Future population - 1987 population = x; x * 0.0136 + 4,307 base			
3) INC. # RATIO TO POPULATION = 0.06/year from 5.17 base	4,639 5.35	5,175 5.65	5,625 5.95	6,094 6.25		4,764	5,428	5,829	6,233
4) MODIFIED HISTORICAL TREND = Avg. 1973-75 to Avg. 1986-87 = 3,054-4,714 = 54.3% = 3.88%/year from 4,307 base	4,808	5,644	6,479	7,315	9) LINEAR REGRESSION (Least Squares Analysis)	7,625	8,510	9,395	10,280
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-75 to Avg. 1986-87 = 119/year from 4,307 base	4,664	5,259	5,854	6,449	10) MULTIPLE REGRESSION Formula = -8,256 + 0.01739(Pop) Correlation = .256	6,823	7,672	8,185	8,701
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 4.33-5.70 = 31.6% = 2.25%/year from 5.17 base	4,786 5.52	5,588 6.10	6,317 6.68	7,083 7.26	RECOMMENDED FORECAST ==>				
					AVERAGE MODELS 4,5,6,7,8	4,752	5,474	6,114	6,768

Source: Carter Goble Associates, Inc. May 1988.

# FIGURE 5: OTHER VIOLATIONS FILINGS

FIRST CIRCUIT DISTRICT COURT, 1973-2005



**District Court Filing  
and Judgeship Forecasts by Judicial District**

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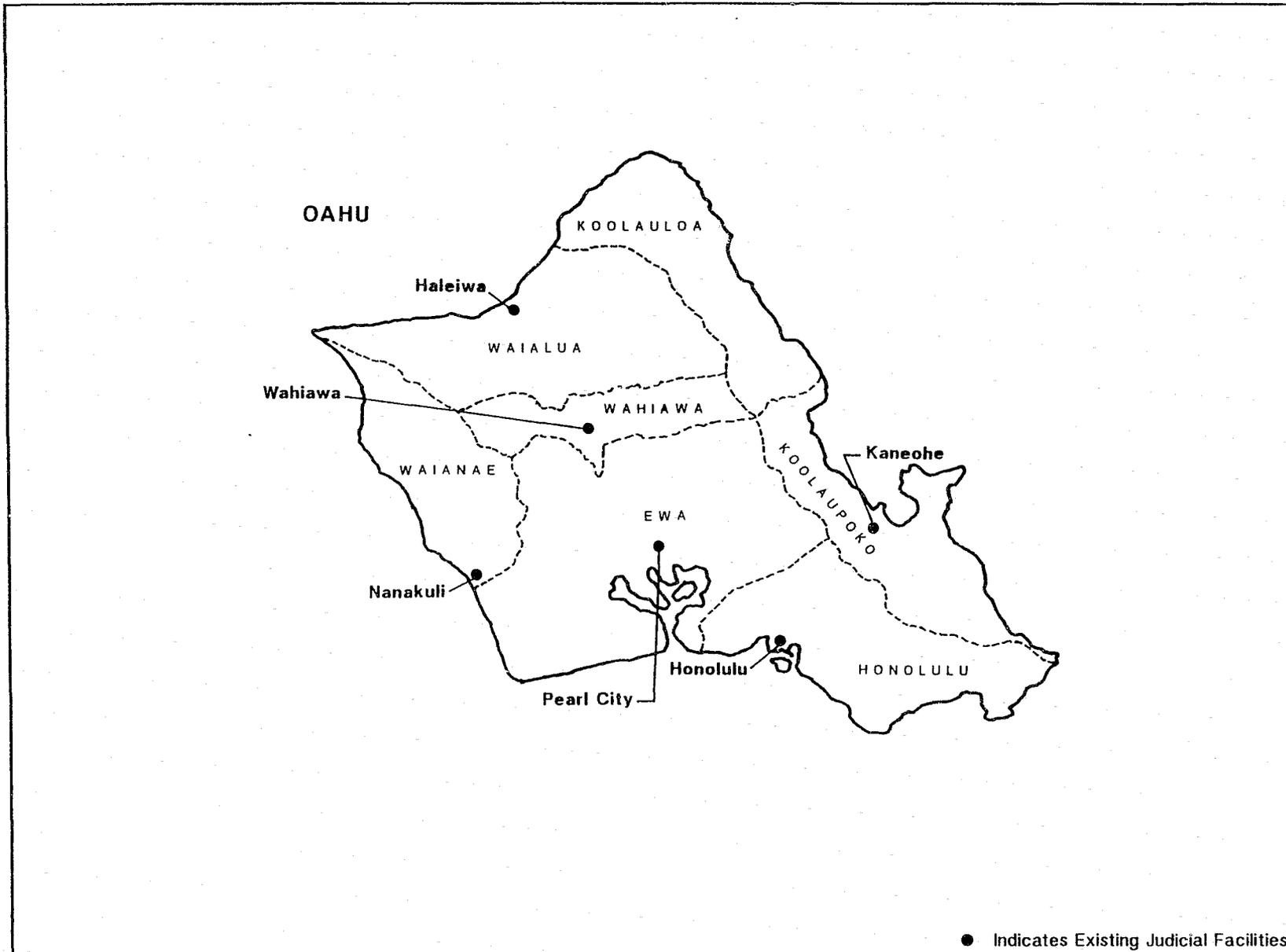
**DISTRICT COURT FILING AND JUDGESHIP FORECASTS BY JUDICIAL DISTRICT**

Part of the Hawaii Judicial System Master Plan called for an examination of the current judicial districting scheme of the First Circuit. The need existed to determine the growth areas of the county in terms of population and caseload, in order to provide a rational basis for the location of judicial facilities. The goal of this process was to determine the most effective way to providing quality judicial services to all citizens of the county, while, at the same time, increasing system efficiency and productivity.

The following tables present the results of this process. District court caseloads were projected for each of the seven judicial districts on the Island. Once the projected caseload had been determined, judgeships were also forecasted for each district. The conclusions of this analysis are summarized the First Circuit Redistricting and Facility Plan found in Volume IV: Executive Summary and Capital Improvements Plan.

**Filing, Judgeship, and Population Forecasts**

Tables 1 and 2 summarize the filing and judgeship forecasts for each of the seven judicial districts of the First Circuit. Table 2.1 presents the projected resident population for each district.



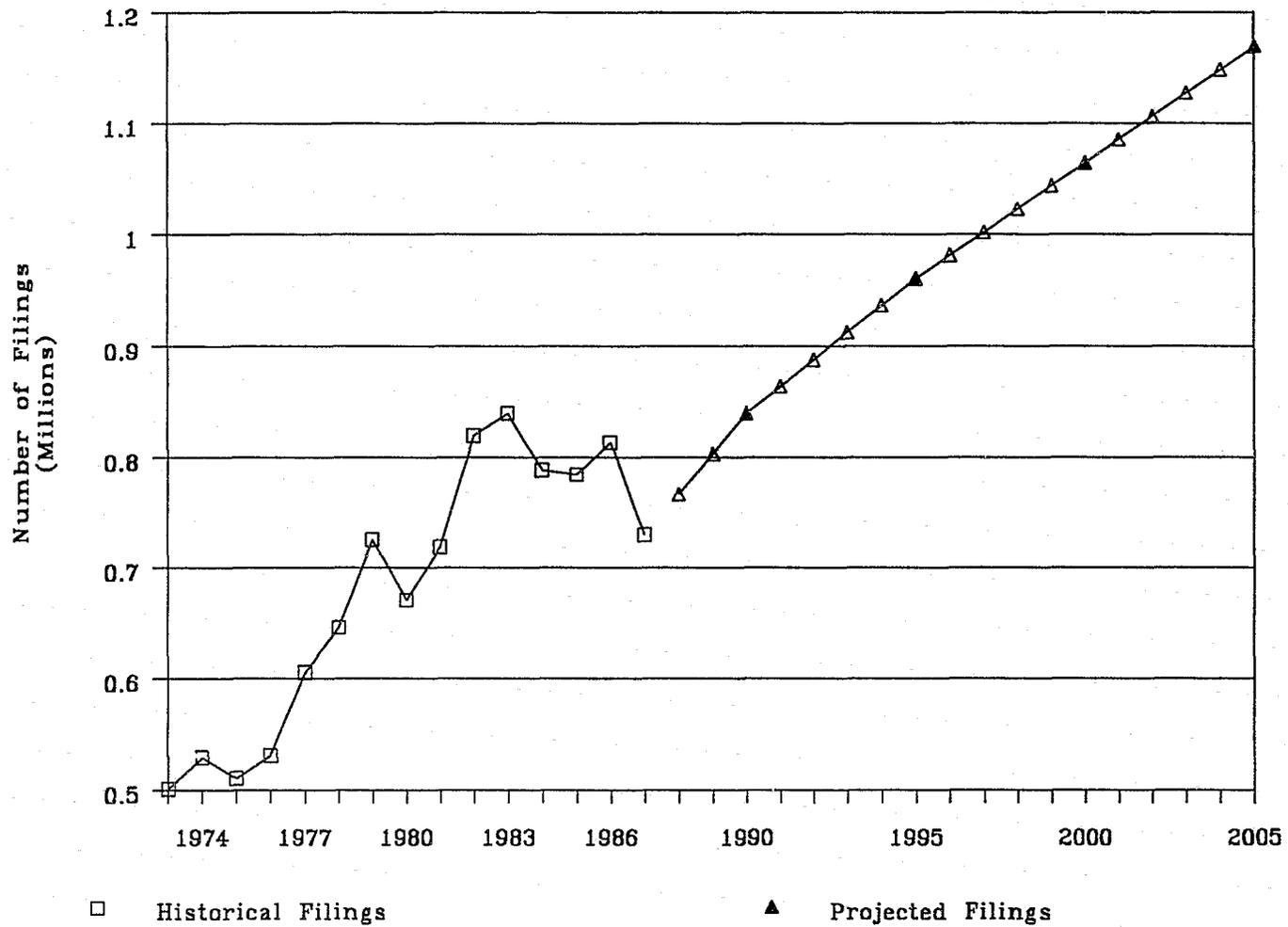
**Table 1**  
**First Circuit**  
**District Court Filing Forecasts by Judicial District, 1990-2005**

<i>JUDICIAL DISTRICTS</i>	<i>1987</i>	<i>PROJECTED FILINGS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Honolulu District</i>	<i>620,242</i>	<i>717,981</i>	<i>808,137</i>	<i>885,024</i>	<i>962,039</i>
<i>Ewa District</i>	<i>46,231</i>	<i>55,511</i>	<i>71,668</i>	<i>87,839</i>	<i>104,778</i>
<i>Koolaupoko District</i>	<i>32,451</i>	<i>36,694</i>	<i>43,814</i>	<i>50,675</i>	<i>57,641</i>
<i>Wahiawa District</i>	<i>11,522</i>	<i>12,439</i>	<i>14,076</i>	<i>15,636</i>	<i>17,199</i>
<i>Waianae District</i>	<i>7,180</i>	<i>7,920</i>	<i>8,645</i>	<i>9,309</i>	<i>9,976</i>
<i>Koolauloa District</i>	<i>6,764</i>	<i>7,600</i>	<i>9,080</i>	<i>10,480</i>	<i>11,960</i>
<i>Waialua District</i>	<i>5,451</i>	<i>5,538</i>	<i>5,763</i>	<i>5,922</i>	<i>6,001</i>
<i>Total Disaggregated Forecasts</i>	<i>729,841</i>	<i>843,683</i>	<i>961,183</i>	<i>1,064,885</i>	<i>1,169,594</i>
<i>Aggregated Forecast</i>	<i>729,841</i>	<i>840,325</i>	<i>961,007</i>	<i>1,064,396</i>	<i>1,169,498</i>
<i>Variance</i>	<i>0.00%</i>	<i>-0.40%</i>	<i>-0.02%</i>	<i>-0.05%</i>	<i>-0.01%</i>

*Source: Carter Goble Associates, Inc., May 1988.*

# FIGURE 1: DISTRICT COURT FILINGS

FIRST CIRCUIT, 1973-2005



**Table 2**  
**First Circuit**  
**District Court Judgeship Forecasts by Judicial District, 1990-2005**

<i>JUDICIAL DISTRICTS</i>	<i>1987</i>	<i>PROJECTED JUDGESHIPS</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Honolulu District</i>	<i>15.76</i>	<i>12.63</i>	<i>13.54</i>	<i>14.12</i>	<i>14.64</i>
<i>Ewa District</i>	<i>1.17</i>	<i>0.98</i>	<i>1.20</i>	<i>1.40</i>	<i>1.59</i>
<i>Koolaupoko District</i>	<i>0.82</i>	<i>0.65</i>	<i>0.73</i>	<i>0.81</i>	<i>0.88</i>
<i>Wahiawa District</i>	<i>0.29</i>	<i>0.22</i>	<i>0.24</i>	<i>0.25</i>	<i>0.26</i>
<i>Waianae District</i>	<i>0.18</i>	<i>0.14</i>	<i>0.14</i>	<i>0.15</i>	<i>0.15</i>
<i>Koolauloa District</i>	<i>0.17</i>	<i>0.13</i>	<i>0.15</i>	<i>0.17</i>	<i>0.18</i>
<i>Waialua District</i>	<i>0.14</i>	<i>0.10</i>	<i>0.10</i>	<i>0.10</i>	<i>0.10</i>
<b><i>Total Judgeships</i></b>	<b><i>18.53</i></b>	<b><i>14.85</i></b>	<b><i>16.10</i></b>	<b><i>17.00</i></b>	<b><i>17.80</i></b>

*Notes: (1) 1987 figures include the use of Per Diem judges, which were excluded in the judgeship forecasts.  
(2) 1990-2005 forecasts include the four District Court judges assigned to the Circuit Courts.*

*Source: Carter Goble Associates, Inc., May 1988.*

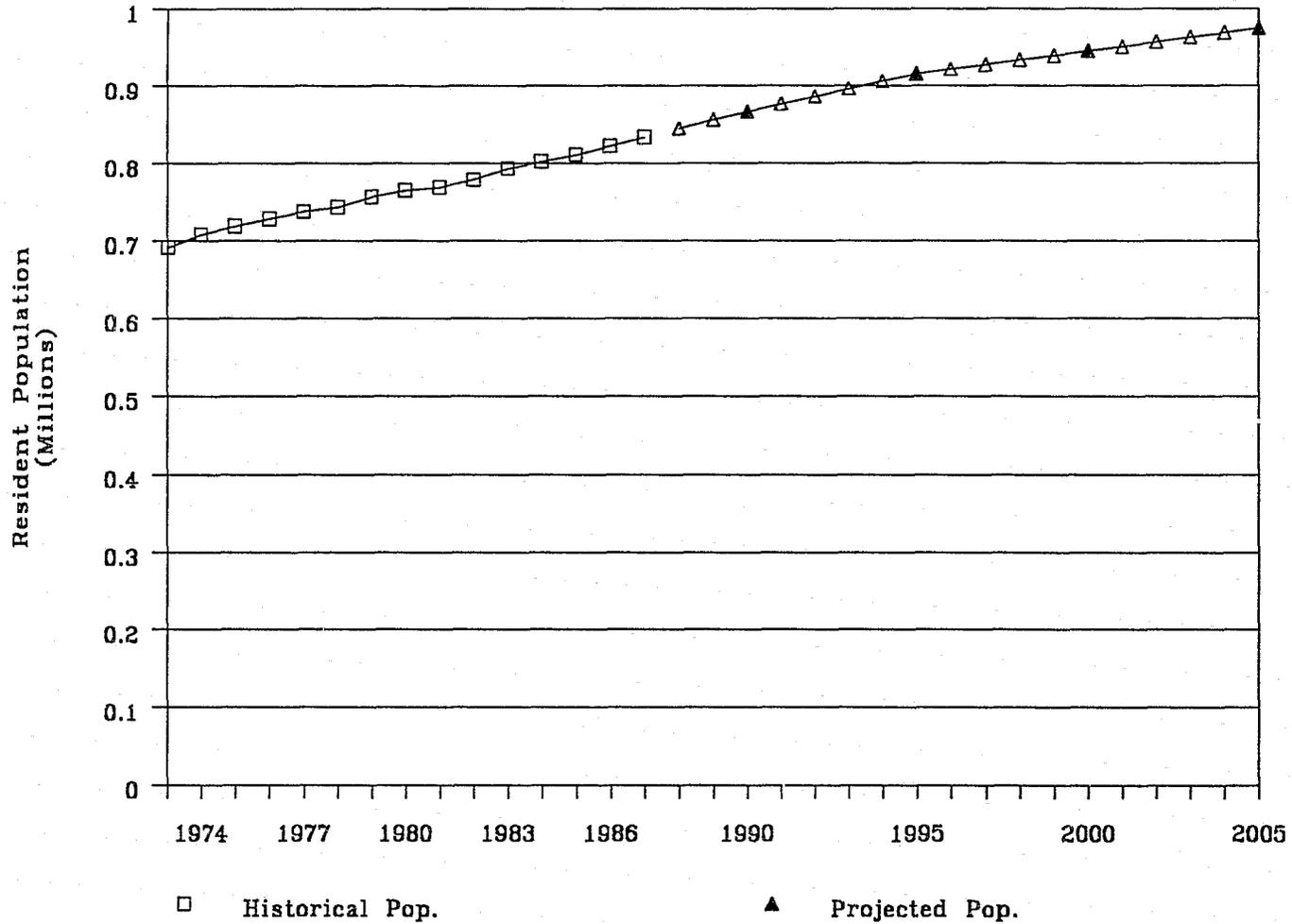
**Table 2.1**  
**First Circuit**  
**Population Projections by Judicial District, 1990-2005**

<i>JUDICIAL DISTRICTS</i>	<i>1987</i>	<i>PROJECTED POPULATION</i>			
		<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>
<i>Honolulu District</i>	<i>388,899</i>	<i>399,733</i>	<i>415,819</i>	<i>422,594</i>	<i>429,044</i>
<i>Ewa District</i>	<i>222,710</i>	<i>235,851</i>	<i>257,368</i>	<i>273,221</i>	<i>289,605</i>
<i>Koolaupoko District</i>	<i>116,597</i>	<i>119,593</i>	<i>123,803</i>	<i>125,738</i>	<i>127,738</i>
<i>Wahiawa District</i>	<i>43,895</i>	<i>45,089</i>	<i>46,711</i>	<i>47,270</i>	<i>47,780</i>
<i>Waianae District</i>	<i>35,072</i>	<i>36,637</i>	<i>39,139</i>	<i>40,855</i>	<i>42,507</i>
<i>Koolauloa District</i>	<i>17,104</i>	<i>18,209</i>	<i>20,150</i>	<i>21,744</i>	<i>23,402</i>
<i>Waialua District</i>	<i>11,374</i>	<i>12,051</i>	<i>13,180</i>	<i>14,069</i>	<i>14,627</i>
<i>Honolulu County</i>	<i>833,500</i>	<i>867,100</i>	<i>915,900</i>	<i>945,400</i>	<i>975,100</i>

*Source: Carter Goble Associates, Inc., May 1988.*

# FIGURE 2.1: ISLAND OF OAHU POPULATION

HISTORICAL AND PROJECTED, 1973-2005



**Filing Forecasts by Judicial District**

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**FIRST CIRCUIT DISTRICT COURT****Filing Forecasts by Judicial Districts**

Tables 3 through 23 present the filing forecasts for each district of the First Circuit. The tables are arranged in order of population size of the district, beginning with Honolulu, the largest, and ending with Waialua, the smallest. Each forecast consists of a series of three tables and two graphs. The first table compares historical and projected population growth for the district and the county as a whole. This is followed by a graphic representation of the population history of the district.

The second table in the series is a historical analysis of filings, terminations, and judgeships within the district. Judgeships in each district were calculated using total District Court judges for the First Circuit, and distributing them among the districts based on filing levels for each year in period.

The third table presents the projection models and recommended filing forecasts for the district. The table is followed by a graphic illustration of the historical and projected filings over the 32-year time frame.

To summarize the forecasts, the Honolulu District will continue to possess the bulk of the filing volume for the county. In 1987, the district comprised nearly 85 percent of total filings. However, over the next 20 years, the Ewa and Koolaupoko Districts will increase in their proportion of the total caseload. Currently, these districts comprise 6.3 percent and 4.4 percent of the total caseload, respectively. By the year 2005, these proportions will increase to 8.9 percent and 4.9 percent, while the Honolulu District will decline to approximately 82.2 percent of all filings.

It is believed that some of the proportion of the caseload attributed to the Honolulu District should actually be attributed to Ewa and Koolaupoko. District Civil filings, for instance, are filed in Honolulu, but heard in the district in which they originate. The

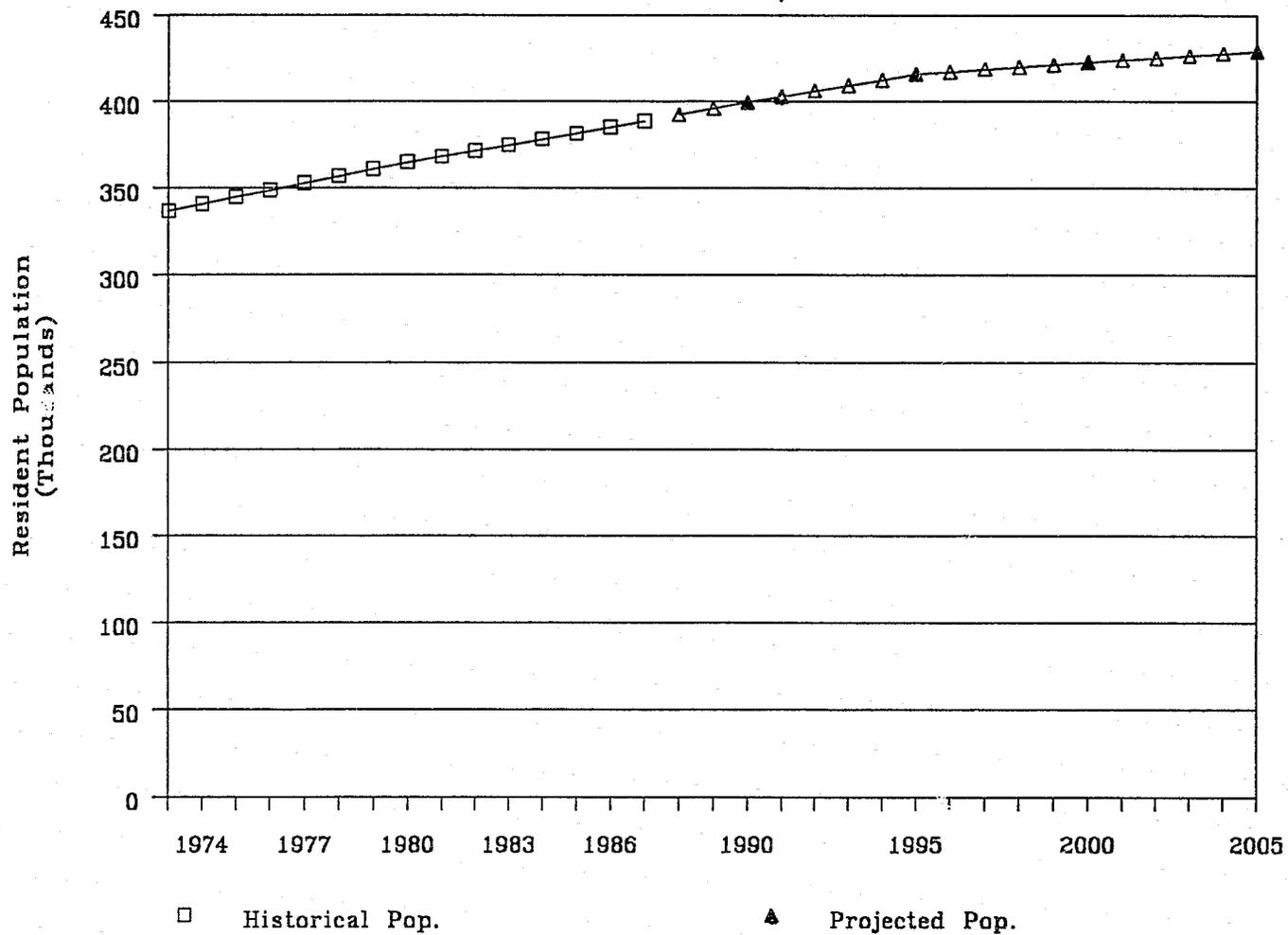
**FIRST CIRCUIT DISTRICT COURT**

District Court has no way of accurately quantifying actual filings or judgeships in the outlying districts. This accounts for the disparity between the populations in Honolulu, Ewa, and Koolaupoko compared to the filings and judgeships. This disparity has been taken into account in developing the capital improvements list for the Facilities Master Plan.

Each of the remaining four districts, Wahiawa, Waianae, Koolauloa, and Waialua currently comprise between 1.5 to 0.5 percent of the total filing level. These percentages will continue throughout the forecast period, with the most active growth in caseload being in the Wahiawa and Koolauloa Districts.

Table 3 First Circuit -- Population Analysis and Forecasts, 1970-2005 Honolulu District and Honolulu County						
Year	Honolulu District Population	Number Per Year	Percent Per Year	Honolulu County Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>						
1970	324,871	--	--	631,600	--	--
1971	328,889	4,018	1.2%	654,600	23,000	3.6%
1972	332,906	4,018	1.2%	674,700	20,100	3.1%
1973	336,924	4,018	1.2%	691,400	16,700	2.5%
1974	340,942	4,018	1.2%	707,600	16,200	2.3%
1975	344,960	4,018	1.2%	718,600	11,000	1.6%
1976	348,977	4,018	1.2%	728,300	9,700	1.3%
1977	352,995	4,018	1.2%	737,000	8,700	1.2%
1978	357,013	4,018	1.1%	742,600	5,600	0.8%
1979	361,030	4,018	1.1%	756,000	13,400	1.8%
1980	365,048	4,018	1.1%	764,800	8,800	1.2%
1981	368,374	3,326	0.9%	768,800	4,000	0.5%
1982	371,699	3,326	0.9%	778,700	9,900	1.3%
1983	375,025	3,326	0.9%	793,400	14,700	1.9%
1984	378,350	3,326	0.9%	802,400	9,000	1.1%
1985	381,676	3,326	0.9%	811,100	8,700	1.1%
1986	385,287	3,611	0.9%	822,300	11,200	1.4%
1987	388,899	3,611	0.9%	833,500	11,200	1.4%
<b>Average 1973-1987 =</b>		<b>3,733</b>	<b>1.0%</b>		<b>10,587</b>	<b>1.4%</b>
<b>Projected Population ==&gt;</b>						
1990	399,733	3,611	0.9%	867,100	11,200	1.3%
1995	415,819	3,217	0.8%	915,900	9,760	1.1%
2000	422,594	1,355	0.3%	945,400	5,900	0.6%
2005	429,044	1,290	0.3%	975,100	5,940	0.6%
<b>Average 1990-2005 =</b>		<b>2,368</b>	<b>0.5%</b>		<b>8,200</b>	<b>0.9%</b>
Source: Department of Business and Economic Development, State of Hawaii, July 1987. Based on resident population.						

**FIGURE 3: HONOLULU DISTRICT POPULATION**  
**HISTORICAL AND PROJECTED, 1973-2005**



**Table 4**  
**First Circuit - Honolulu District Court Filings and Judgements**  
**Historical Analysis, 1973-1987**

HONOLULU DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	446,280	463,879	455,933	470,269	545,789	586,325	649,080	606,328	740,574	739,843	754,813	705,242	690,782	706,493	620,242	
- Civil	7,019	6,856	6,373	5,895	5,504	5,360	5,756	5,979	7,767	7,525	7,960	8,411	7,928	7,763	8,823	
- Traffic	430,691	445,177	437,397	453,104	528,592	568,061	628,147	583,384	713,452	713,789	727,743	677,873	663,130	680,964	593,672	
- Other Violations	918	921	1,194	1,934	1,142	2,093	3,435	2,633	4,168	4,223	4,199	3,381	3,297	3,179	2,840	
- Criminal Actions	7,652	10,925	10,969	9,336	10,551	10,811	11,742	14,332	15,187	14,306	14,911	15,577	16,427	14,587	14,907	
Total Terminations	443,978	460,120	459,882	466,873	546,273	571,169	653,411	576,957	682,200	731,366	770,970	683,530	701,712	692,016	597,401	602,524
Pending at End	14,919	18,678	14,729	18,125	17,641	32,797	28,466	57,837	31,211	39,688	23,531	45,243	34,313	48,790	71,631	33,173
Disposition Rate	99%	99%	101%	99%	100%	97%	101%	95%	92%	99%	102%	97%	102%	98%	96%	99%
Number of FTE Judges (1)	7.64	8.66	10.26	9.91	10.94	11.44	12.60	15.70	13.99	15.14	11.76	15.18	15.83	17.69	15.76	
Filings Per Judge	58,414	53,566	44,438	47,454	49,889	51,252	51,514	38,620	52,936	48,867	64,185	46,459	43,638	39,937	39,355	48,702
Terminations Per Judge	58,112	53,132	44,823	47,111	49,934	49,927	51,858	36,749	48,763	48,307	65,559	45,028	44,328	39,119	37,906	48,044
Judges Per 100,000 Pop.	2.27	2.54	2.97	2.84	3.10	3.20	3.49	4.30	3.80	4.07	3.14	4.01	4.15	4.59	4.05	3.50
Filings Per 1,000 Pop.	1324.57	1360.58	1321.70	1347.56	1546.17	1642.31	1797.86	1660.95	2010.39	1990.44	2012.70	1863.99	1809.86	1833.68	1594.87	1674.51
Honolulu District Pop.	336,924	340,942	344,960	348,977	352,995	357,013	361,030	365,048	368,374	371,699	375,025	378,350	381,676	385,287	388,899	

Notes:

(1) Beginning in 1983, four First Circuit District Court judges were assigned Circuit Court cases.

(2) FY 1987-88 Filing and Termination Data: Total Filings = 615,194; Total Terminations = 562,153; Pending Cases = 124,672; Disposition Rate = 91%.

Civil Filings = 8,752; Traffic = 586,094; Other = 3,550; Criminal = 16,798.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carter Goble Associates, Inc., May 1988.

**Table 5**  
**First Circuit - Honolulu District Court Filing Projections, 1990-2005**

HONOLULU DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	446,280	463,879	455,933	470,269	545,789	586,325	649,080	606,328	740,574	739,843	754,813	705,242	690,782	706,493	620,242
Filings Per 1,000 Pop.	1324.57	1360.58	1321.70	1347.56	1546.17	1642.31	1797.86	1660.95	2010.39	1990.44	2012.70	1863.99	1809.86	1833.68	1594.87
District Population	336,924	340,942	344,960	348,977	352,995	357,013	361,030	365,048	368,374	371,699	375,025	378,350	381,676	385,287	388,899

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
District Court Filings	173,962	12,426	39.0%	2.78%	612,125
Filings Per 1,000 Pop.	270.29	19.31	20.4%	1.5%	1674.51

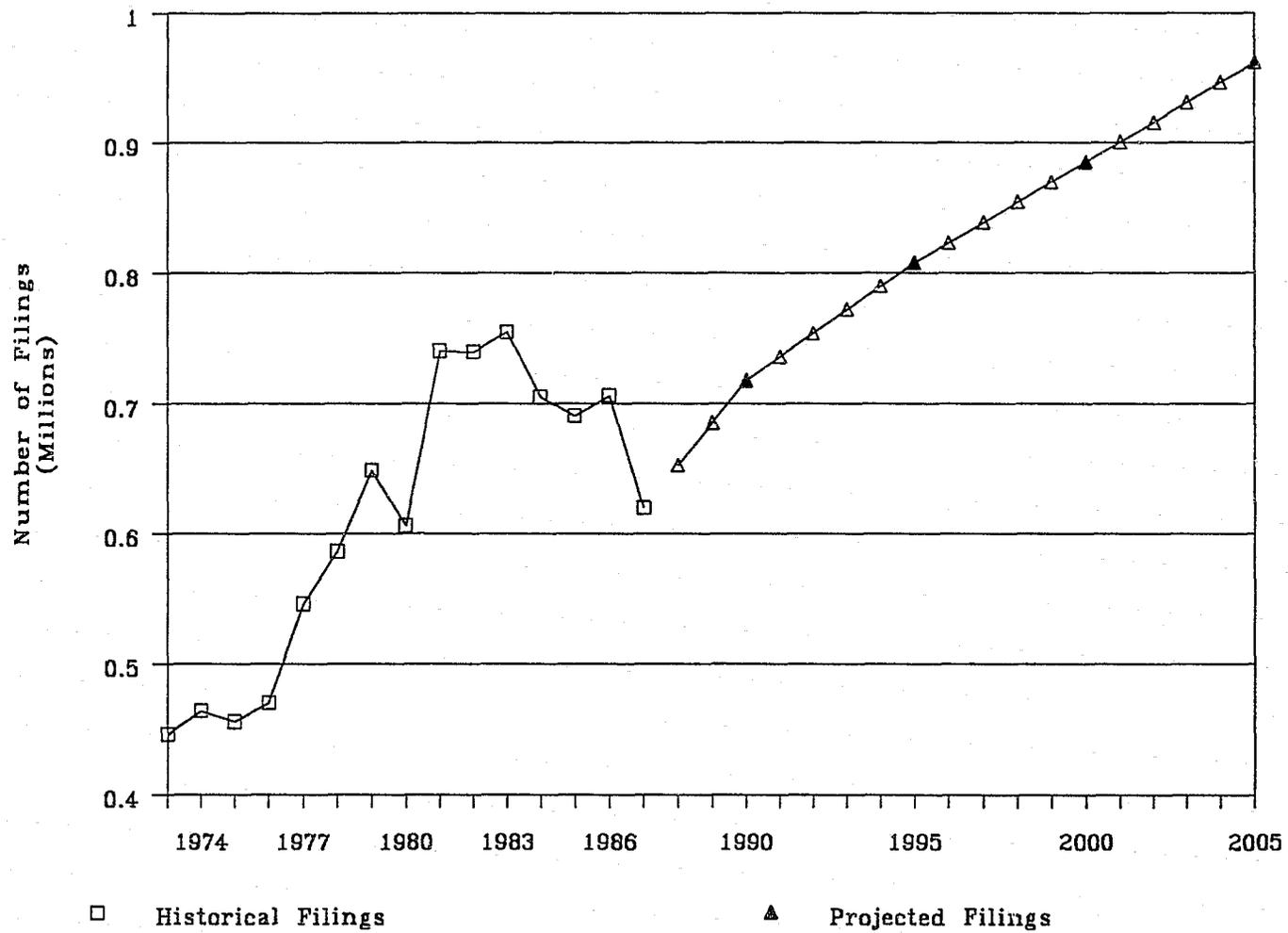
PROJECTED POPULATION	1990	1995	2000	2005
	Honolulu District	399,733	415,819	422,594

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 2.78%/year from 620,242 base	671,970	758,184	844,397	930,611	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-76 to Avg. 1986-87 = 1338.60-1714.28 = 375.68 = 26.83/year from 1594.87 base	669,697	752,429	821,379	891,472
2) ACTUAL NUMBER INCREASE = 12,426/year from 620,242 base	657,520	719,650	781,780	843,910	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-76 to Avg. 1986-87 Act. # = 459,090-663,368 = 204,278; Pop. = 342,951-387,093 = 44,142; Ratio = 204,278:44,142 = 4.628	1675.36	1809.51	1943.66	2077.81
3) INC. # RATIO TO POPULATION = 19.31/year from 1594.87 base	660,679	727,413	780,066	833,397	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 4.628 + 620,242 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-76 to Avg. 1986-87 = 459,090-663,368 = 44.5% = 3.2%/year from 620,242 base	679,785	779,024	878,263	977,501	10) MULTIPLE REGRESSION Formula = -1,435,250 + 5.612(Pop) Correlation = .743	670,382	744,828	776,182	806,033
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-76 to Avg. 1986-87 = 14,591/yr from 620,242 base	664,015	736,970	809,925	882,880		810,531	912,751	1014971	1117191
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-76 to Avg. 1986-87 = 1338.60-1714.28 = 28.1% = 2.0%/year from 1594.87 base	675,773	769,286	849,218	930,606		808,088	898,364	936,386	972,584
	1690.56	1850.05	2009.54	2169.02	RECOMMENDED FORECAST ==>				
					AVERAGE MODELS 4,5,6,7,9,10	717,981	808,137	885,024	962,039

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 5: DISTRICT COURT FILINGS

1ST CIRC.: HONOLULU DISTRICT, 1973-2005

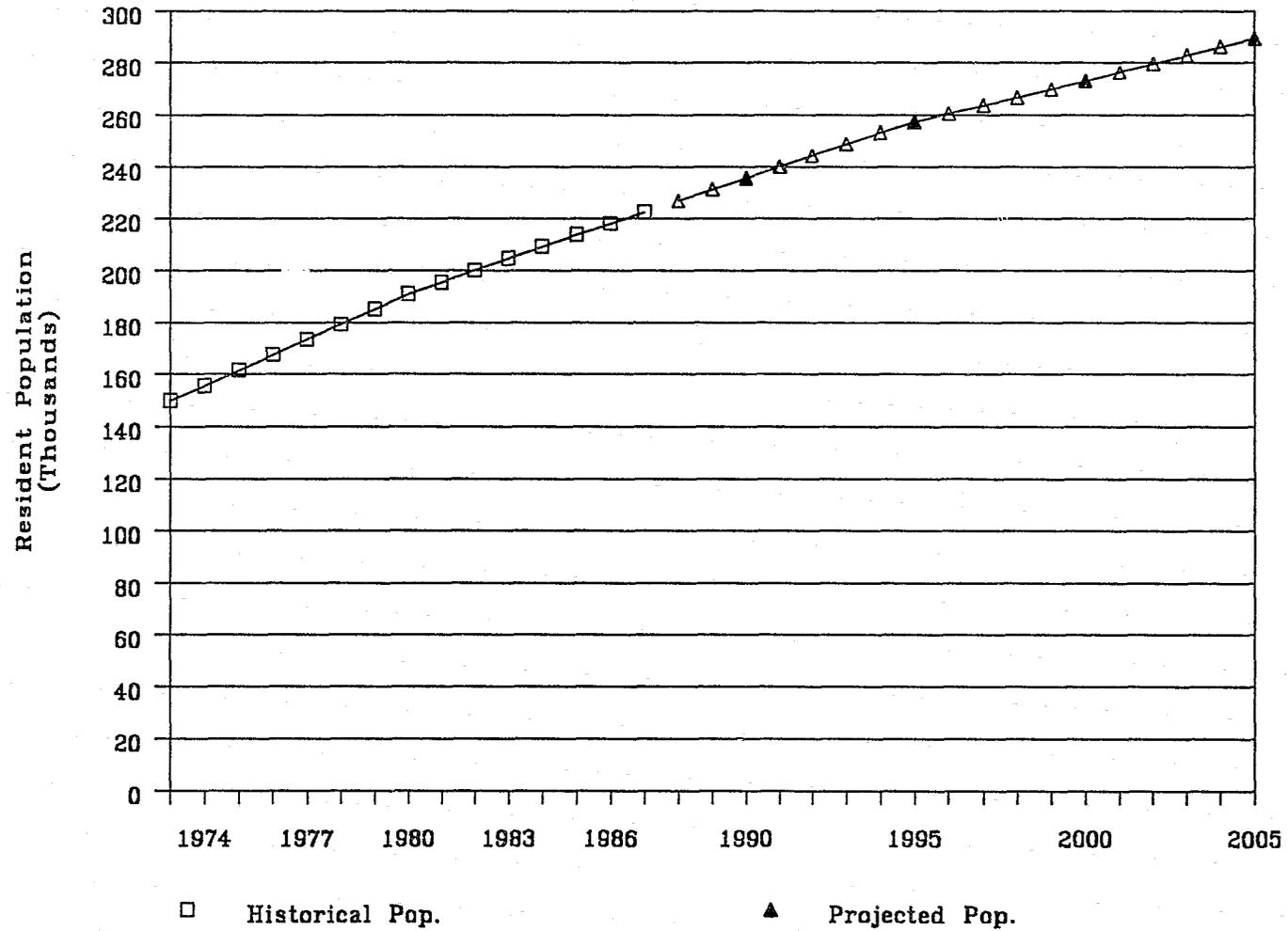


**Table 6**  
**First Circuit -- Population Analysis and Forecasts, 1970-2005**  
**Ewa District and Honolulu County**

Year	Ewa District Population	Number Per Year	Percent Per Year	Honolulu County Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>						
1970	132,299	—	—	631,600	—	—
1971	138,174	5,875	4.4%	654,600	23,000	3.6%
1972	144,049	5,875	4.3%	674,700	20,100	3.1%
1973	149,925	5,875	4.4%	691,400	16,700	2.5%
1974	155,800	5,875	3.9%	707,600	16,200	2.3%
1975	161,675	5,875	3.8%	718,600	11,000	1.6%
1976	167,550	5,875	3.6%	728,300	9,700	1.3%
1977	173,425	5,875	3.5%	737,000	8,700	1.2%
1978	179,301	5,875	3.4%	742,600	5,600	0.8%
1979	185,176	5,875	3.3%	756,000	13,400	1.8%
1980	191,051	5,875	3.2%	764,800	8,800	1.2%
1981	195,631	4,580	2.4%	768,800	4,000	0.5%
1982	200,210	4,580	2.3%	778,700	9,900	1.3%
1983	204,790	4,580	2.3%	793,400	14,700	1.9%
1984	209,369	4,580	2.2%	802,400	9,000	1.1%
1985	213,949	4,580	2.2%	811,100	8,700	1.1%
1986	218,329	4,380	2.0%	822,300	11,200	1.4%
1987	222,710	4,380	2.0%	833,500	11,200	1.4%
<b>Average 1973-1987 =</b>		<b>5,244</b>	<b>3.0%</b>		<b>10,587</b>	<b>1.4%</b>
<b>Projected Population ==&gt;</b>						
1990	235,851	4,380	2.0%	867,100	11,200	1.3%
1995	257,368	4,303	1.8%	915,900	9,760	1.1%
2000	273,221	3,171	1.2%	945,400	5,900	0.6%
2005	289,605	3,277	1.2%	975,100	5,940	0.6%
<b>Average 1990-2005 =</b>		<b>3,783</b>	<b>1.6%</b>		<b>8,200</b>	<b>0.9%</b>
Source: Department of Business and Economic Development, State of Hawaii, July 1987. Based on resident population.						

# FIGURE 6: EWA DISTRICT POPULATION

HISTORICAL AND PROJECTED, 1973-2005



**Table 7**  
**First Circuit - Ewa District Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

EWA DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total District Filings</b>	16,287	18,666	18,027	20,099	22,126	20,596	28,110	21,971	31,278	35,820	39,696	37,301	42,372	40,454	46,231	
- Civil	1,118	1,181	1,042	1,011	967	1,075	1,326	1,404	1,688	1,779	1,796	2,064	2,071	2,128	2,424	
- Traffic	13,943	15,758	15,506	17,399	18,832	17,215	24,042	18,031	26,294	31,049	35,327	32,704	37,144	35,378	39,623	
- Other Violations	348	320	341	487	965	918	1,161	806	1,233	1,482	1,109	640	605	491	472	
- Criminal Actions	878	1,407	1,138	1,202	1,362	1,388	1,581	1,730	2,063	1,510	1,464	1,893	2,552	2,457	3,712	
<b>Total Terminations</b>	14,555	17,479	21,353	17,696	17,950	16,784	23,906	23,467	29,772	31,056	34,975	32,920	37,161	34,872	37,879	26,122
<b>Pending at End</b>	6,953	8,140	4,814	7,217	11,393	15,205	19,409	17,913	19,419	24,183	28,904	33,285	38,496	44,078	52,430	22,123
<b>Disposition Rate</b>	89%	94%	118%	88%	81%	81%	85%	107%	95%	87%	88%	88%	88%	86%	82%	91%
<b>Number of FTE Judges</b>	0.28	0.35	0.41	0.42	0.44	0.40	0.55	0.57	0.67	0.73	0.62	0.80	0.97	1.01	1.17	
<b>Filings Per Judge</b>	58,168	53,331	43,968	47,855	50,286	51,490	51,109	38,546	46,684	49,068	64,026	46,626	43,682	40,053	39,514	48,294
<b>Terminations Per Judge</b>	51,982	49,940	52,080	42,133	40,795	41,960	43,465	41,170	44,436	42,542	56,411	41,150	38,310	34,527	32,375	43,552
<b>Judges Per 100,000 Pop.</b>	0.19	0.22	0.25	0.25	0.25	0.22	0.30	0.30	0.34	0.36	0.30	0.38	0.45	0.46	0.53	0.32
<b>Filings Per 1,000 Pop.</b>	108.63	119.81	111.50	119.96	127.58	114.87	151.80	115.00	159.88	178.91	193.84	178.16	198.05	185.29	207.58	151.39
<b>Ewa District Population</b>	149,925	155,800	161,675	167,550	173,425	179,301	185,176	191,051	195,631	200,210	204,790	209,369	213,949	218,329	222,710	

**Notes:**

(1) FY 1987-88 Filing and Termination Data: Total Filings = 41,056; Total Terminations = 38,517; Pending Cases = 54,969; Disposition Rate = 94%.

Civil Filings = 2,715; Traffic = 34,361; Other = 533; Criminal = 3,447.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);

Carter Goble Associates, Inc., May 1988.

**Table 8**  
**First Circuit - Ewa District Court Filing Projections, 1990-2005**

EWA DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	16,287	18,666	18,027	20,099	22,126	20,596	28,110	21,971	31,278	35,820	39,696	37,301	42,372	40,454	46,231
Filings Per 1,000 Pop.	108.63	119.81	111.50	119.96	127.58	114.87	151.80	115.00	159.88	178.91	193.84	178.16	198.05	185.29	207.58
District Population	149,925	155,800	161,675	167,550	173,425	179,301	185,176	191,051	195,631	200,210	204,790	209,369	213,949	218,329	222,710

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
District Court Filings	29,944	2,139	183.9%	13.1%	29,269
Filings Per 1,000 Pop.	98.95	7.07	91.1%	6.5%	151.39

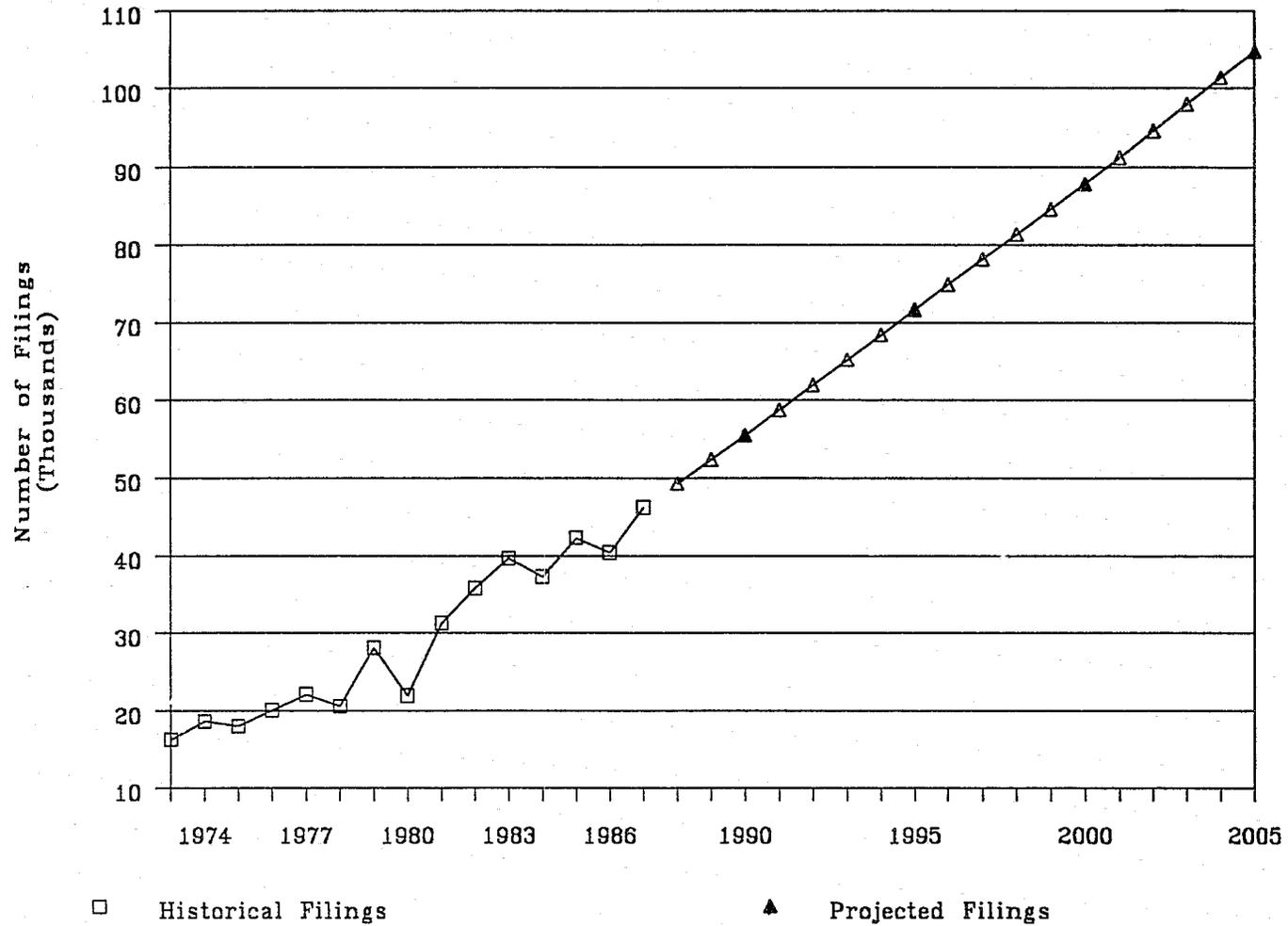
PROJECTED POPULATION	1990	1995	2000	2005
	Ewa District	235,851	257,368	273,221

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 13.1%/year from 46,231 base	64,400	94,681	124,962	155,244	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-75 to Avg. 1985-87 = 113.31-196.97 = 83.66 = 5.98/year from 207.58 base	53,189	65,737	77,955	91,289
2) ACTUAL NUMBER INCREASE = 2,139/year from 46,231 base	52,648	63,343	74,038	84,733	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-75 to Avg. 1985-87 Act. # = 17,660-43,019 = 25,359; Pop. = 155,800-218,329 = 62,529; Ratio = 25,359:62,529 = 0.4056	225.52	255.42	285.32	315.22
3) INC. # RATIO TO POPULATION = 7.07/year from 207.58 base	53,960	67,981	81,827	96,971	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x: x * 0.4056 + 46,231 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-75 to Avg. 1985-87 = 17,660-43,019 = 143.6% = 10.25%/year from 46,231 base	228.79	264.14	299.49	334.84	10) MULTIPLE REGRESSION Formula = -49,452 + .41741(Pop) Correlation = .901	51,561	60,288	66,718	73,364
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-75 to Avg. 1985-87 = 1,811/year from 46,231 base	60,447	84,140	107,834	131,527		50,779	61,799	72,819	83,839
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-75 to Avg. 1985-87 = 113.31-196.97 = 73.8% = 5.3%/year from 207.58 base	51,664	60,719	69,774	78,829		48,995	57,976	64,593	71,432
	56,742	76,076	95,792	117,467	<b>RECOMMENDED FORECAST →</b>				
	240.59	295.59	350.60	405.61	<b>AVERAGE MODELS 4,5,6,7</b>	<b>55,511</b>	<b>71,668</b>	<b>87,839</b>	<b>104,778</b>

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 8: DISTRICT COURT FILINGS

1ST CIRCUIT: EWA DISTRICT, 1973-2005

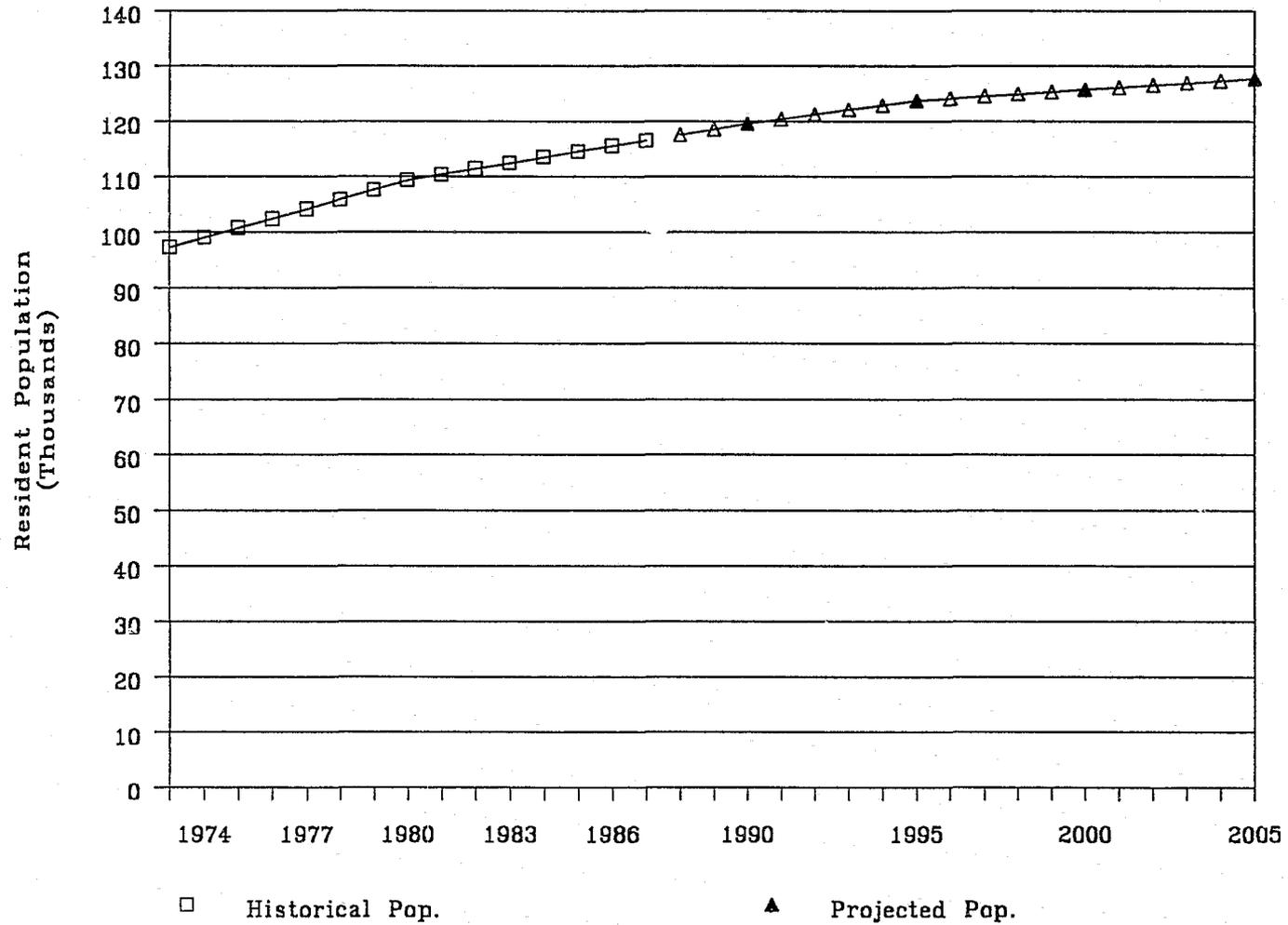


**Table 9**  
**First Circuit -- Population Analysis and Forecasts, 1970-2005**  
**Koolaupoko District and Honolulu County**

Year	Koolaupoko District Population	Number Per Year	Percent Per Year	Honolulu County Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>						
1970	92,219	--	--	631,600	--	--
1971	93,934	1,715	1.9%	654,600	23,000	3.6%
1972	95,650	1,715	1.8%	674,700	20,100	3.1%
1973	97,365	1,715	1.9%	691,400	16,700	2.5%
1974	99,081	1,715	1.8%	707,600	16,200	2.3%
1975	100,796	1,715	1.7%	718,600	11,000	1.6%
1976	102,511	1,715	1.7%	728,300	9,700	1.3%
1977	104,227	1,715	1.7%	737,000	8,700	1.2%
1978	105,942	1,715	1.6%	742,600	5,600	0.8%
1979	107,658	1,715	1.6%	756,000	13,400	1.8%
1980	109,373	1,715	1.6%	764,800	8,800	1.2%
1981	110,418	1,045	1.0%	768,800	4,000	0.5%
1982	111,464	1,045	0.9%	778,700	9,900	1.3%
1983	112,509	1,045	0.9%	793,400	14,700	1.9%
1984	113,555	1,045	0.9%	802,400	9,000	1.1%
1985	114,600	1,045	0.9%	811,100	8,700	1.1%
1986	115,599	999	0.9%	822,300	11,200	1.4%
1987	116,597	999	0.9%	833,500	11,200	1.4%
<b>Average 1973-1987 =</b>		<b>1,396</b>	<b>1.3%</b>		<b>10,587</b>	<b>1.4%</b>
<b>Projected Population ==&gt;</b>						
1990	119,593	999	0.9%	867,100	11,200	1.3%
1995	123,803	842	0.7%	915,900	9,760	1.1%
2000	125,738	387	0.3%	945,400	5,900	0.6%
2005	127,738	400	0.3%	975,100	5,940	0.6%
<b>Average 1990-2005 =</b>		<b>657</b>	<b>0.5%</b>		<b>8,200</b>	<b>0.9%</b>
Source: Department of Business and Economic Development, State of Hawaii, July 1987. Based on resident population.						

# FIGURE 9: KOOLAUPOKO DIST. POPULATION

HISTORICAL AND PROJECTED, 1973-2005



**Table 10**  
**First Circuit - Koolaupoko District Court Filings and Judgements**  
**Historical Analysis, 1973-1987**

KOOLAUPOKO DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	18,176	23,687	18,328	19,606	18,087	19,516	22,718	21,482	25,371	21,617	22,487	21,993	24,618	37,084	32,451	
- Civil	1,453	1,565	1,249	1,259	1,062	975	1,128	1,163	1,380	1,379	1,518	1,540	1,628	1,460	1,590	
- Traffic	14,487	19,845	15,157	16,146	14,802	16,142	18,984	18,202	21,612	18,258	19,093	18,559	19,714	32,240	27,313	
- Other Violations	1,287	1,319	1,009	1,190	1,269	1,309	1,001	1,004	1,142	991	799	774	624	872	486	
- Criminal Actions	949	958	913	1,011	954	1,090	1,605	1,113	1,237	989	1,077	1,120	2,652	2,512	3,062	
Total Terminations	16,637	21,108	17,091	20,878	16,975	18,656	19,337	21,364	23,161	22,986	26,083	22,232	22,642	28,720	26,830	21,647
Pending at End	7,073	9,652	10,889	9,617	10,729	11,589	14,970	15,088	17,298	15,929	12,333	12,094	14,070	22,434	28,055	14,121
Disposition Rate	92%	89%	93%	106%	94%	96%	85%	99%	91%	106%	116%	101%	92%	77%	83%	95%
Number of FTE Judges	0.31	0.44	0.41	0.41	0.36	0.38	0.44	0.56	0.54	0.44	0.35	0.47	0.56	0.93	0.82	
Filings Per Judge	58,632	53,834	44,702	47,820	50,242	51,358	51,632	38,361	46,983	49,130	64,249	46,794	43,961	39,875	39,574	48,476
Terminations Per Judge	53,668	47,973	41,685	50,922	47,153	49,095	43,948	38,150	42,891	52,241	74,523	47,302	40,432	30,882	32,720	46,239
Judges Per 100,000 Pop.	0.32	0.44	0.41	0.40	0.35	0.36	0.41	0.51	0.49	0.39	0.31	0.41	0.49	0.80	0.70	0.45
Filings Per 1,000 Pop.	186.68	239.07	181.83	191.26	173.53	184.21	211.02	196.41	229.77	193.94	199.87	193.68	214.82	320.80	278.32	213.01
Koolaupoko District Pop.	97,365	99,081	100,796	102,511	104,227	105,942	107,658	109,373	110,418	111,464	112,509	113,555	114,600	115,599	116,597	
Notes:																
(1) FY 1987-88 Filing and Termination Data: Total Filings = 24,087; Total Terminations = 20,807; Pending Cases = 31,335; Disposition Rate = 86%. Civil Filings = 1,651; Traffic = 20,141; Other = 519; Criminal = 1,776.																
Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87); Carter Goble Associates, Inc., May 1988.																

**Table 11**  
**First Circuit - Koolauoko District Court Filing Projections, 1990-2005**

KOOLAUPOKO DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	18,176	23,687	18,328	19,606	18,087	19,516	22,718	21,482	25,371	21,617	22,487	21,993	24,618	37,084	32,451
Filings Per 1,000 Pop.	186.68	239.07	181.83	191.26	173.53	184.21	211.02	196.41	229.77	193.94	199.87	193.68	214.82	320.80	278.32
District Population	97,365	99,081	100,796	102,511	104,227	105,942	107,658	109,373	110,418	111,464	112,509	113,555	114,600	115,599	116,597

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
District Court Filings	14,275	1,020	78.5%	5.6%	23,148
Filings Per 1,000 Pop.	91.64	6.55	49.1%	3.5%	213.01

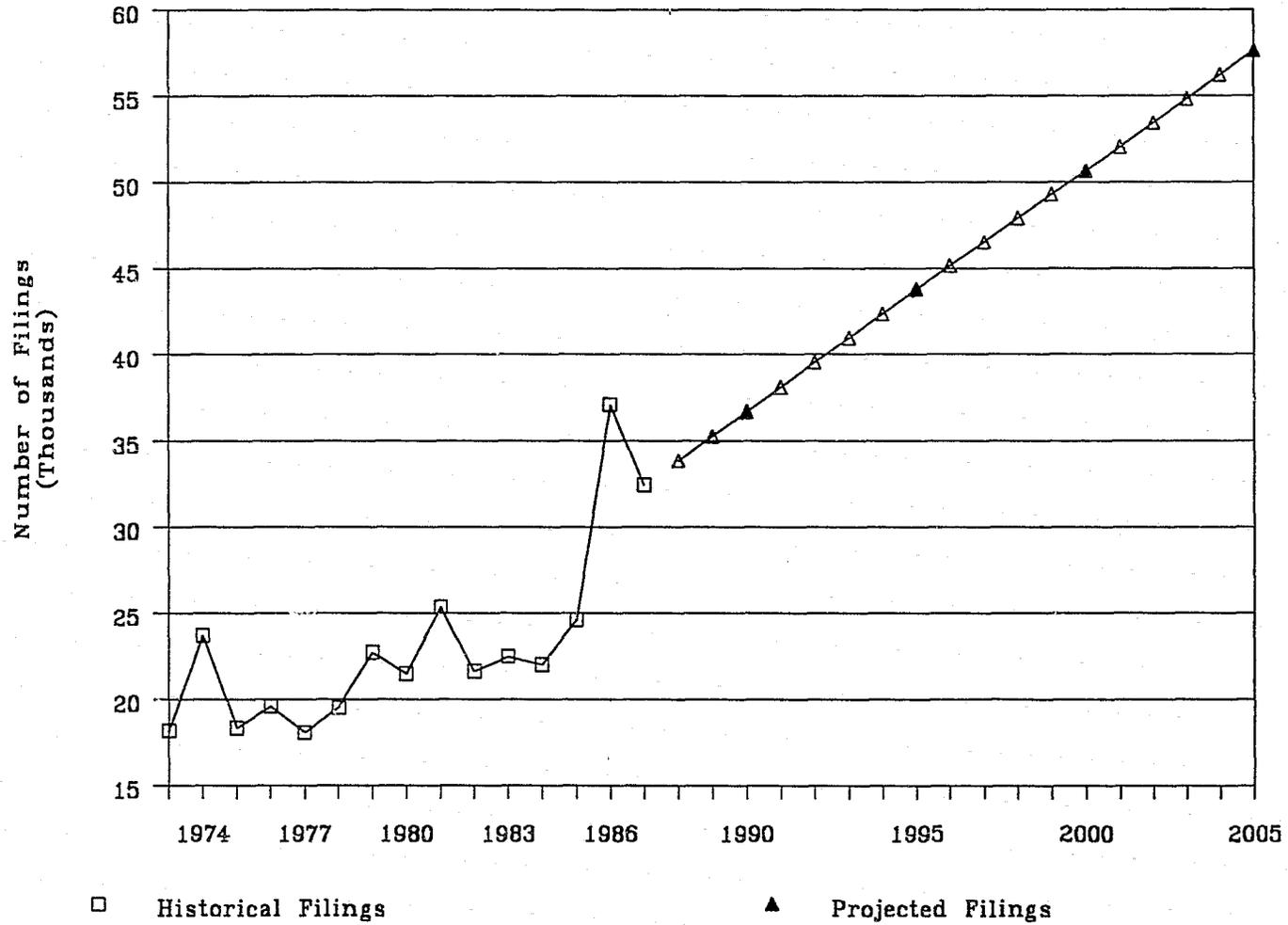
PROJECTED POPULATION	1990	1995	2000	2005
Koolauoko District	119,593	123,803	125,738	127,738

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 5.6%/year from 32,451 base	37,903	46,989	56,075	65,162	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-78 to Avg. 1986-87 = 192.76-299.56 = 106.80 = 7.63/year from 278.32 base	36,023	42,014	47,467	53,096
2) ACTUAL NUMBER INCREASE = 1,020/year from 32,451 base	35,511	40,611	45,711	50,811	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-78 to Avg. 1986-87 Act. # = 19,567-34,768 = 15,201; Pop. = 101,654-116,098 = 14,444; Ratio = 15,201:14,444 = 1.0524	301.21	339.36	377.51	415.66
3) INC. # RATIO TO POPULATION = 6.55/year from 278.32 base	35,635	40,944	45,702	50,612	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 1.0524 + 32,451 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-78 to Avg. 1986-87 = 19,567-34,768 = 77.7% = 5.5%/year from 32,451 base	297.97	330.72	363.47	396.22	10) MULTIPLE REGRESSION Formula = -39,593 + 0.58033(Pop) Correlation = .460	35,604	40,035	42,071	44,176
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-78 to Avg. 1986-87 = 1,086/year from 32,451 base	37,805	46,729	55,653	64,577	RECOMMENDED FORECAST ==>	31,768	36,078	40,388	44,698
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-78 to Avg. 1986-87 = 192.76-299.56 = 55.4% = 3.96%/year from 278.32 base	35,709	41,139	46,569	51,999	AVERAGE MODELS 4,5,6,7	29,810	32,254	33,377	34,537
	37,239	45,373	53,011	60,894		36,694	43,814	50,675	57,641
	311.38	366.49	421.60	476.71					

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 11: DISTRICT COURT FILINGS

1ST CIRC: KOOLAUPOKO DISTRICT 1973-2005

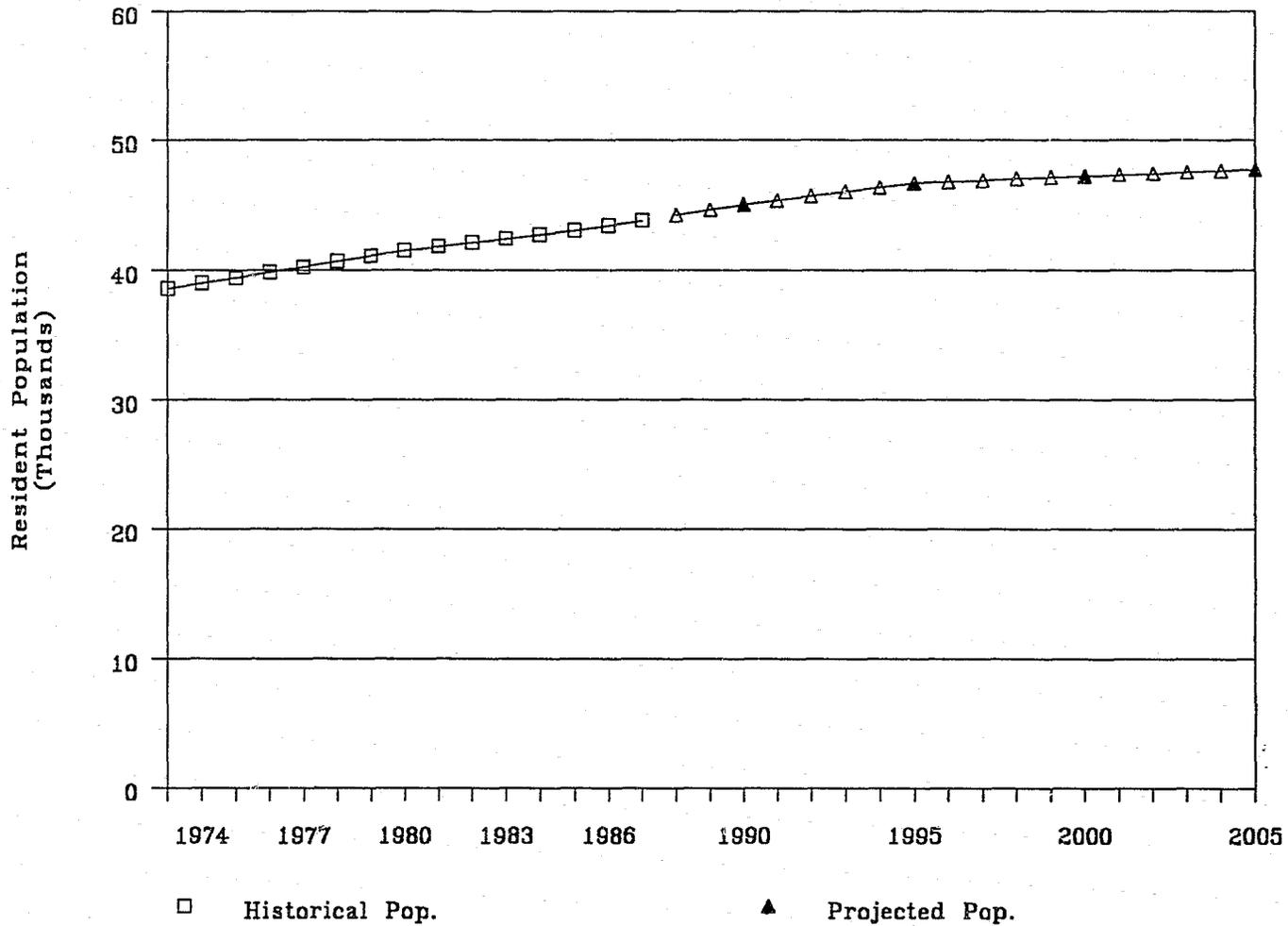


**Table 12**  
**First Circuit -- Population Analysis and Forecasts, 1970-2005**  
**Wahiawa District and Honolulu County**

Year	Wahiawa District Population	Number Per Year	Percent Per Year	Honolulu County Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>						
1970	37,329	--	--	631,600	--	--
1971	37,752	423	1.1%	654,600	23,000	3.6%
1972	38,176	423	1.1%	674,700	20,100	3.1%
1973	38,599	423	1.1%	691,400	16,700	2.5%
1974	39,022	423	1.1%	707,600	16,200	2.3%
1975	39,446	423	1.1%	718,600	11,000	1.6%
1976	39,869	423	1.1%	728,300	9,700	1.3%
1977	40,292	423	1.1%	737,000	8,700	1.2%
1978	40,715	423	1.1%	742,600	5,600	0.8%
1979	41,139	423	1.0%	756,000	13,400	1.8%
1980	41,562	423	1.0%	764,800	8,800	1.2%
1981	41,869	307	0.7%	768,800	4,000	0.5%
1982	42,177	307	0.7%	778,700	9,900	1.3%
1983	42,484	307	0.7%	793,400	14,700	1.9%
1984	42,792	307	0.7%	802,400	9,000	1.1%
1985	43,099	307	0.7%	811,100	8,700	1.1%
1986	43,497	398	0.9%	822,300	11,200	1.4%
1987	43,895	398	0.9%	833,500	11,200	1.4%
<b>Average 1973-1987 =</b>		<b>381</b>	<b>0.9%</b>		<b>10,587</b>	<b>1.4%</b>
<b>Projected Population ==&gt;</b>						
1990	45,089	398	0.9%	867,100	11,200	1.3%
1995	46,711	324	0.7%	915,900	9,760	1.1%
2000	47,270	112	0.2%	945,400	5,900	0.6%
2005	47,780	102	0.2%	975,100	5,940	0.6%
<b>Average 1990-2005 =</b>		<b>234</b>	<b>0.5%</b>		<b>8,200</b>	<b>0.9%</b>
Source: Department of Business and Economic Development, State of Hawaii, July 1987. Based on resident population.						

# FIGURE 12: WAHIAWA DISTRICT POPULATION

HISTORICAL AND PROJECTED, 1973-2005



**Table 13**  
**First Circuit - Wahiawa District Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

WAHIAWA DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total District Filings</b>	7,518	8,505	7,545	9,558	8,428	8,294	13,132	9,398	10,522	10,712	10,577	11,910	11,702	10,538	11,522	
- Civil	327	405	303	276	251	252	332	468	365	421	378	456	566	568	661	
- Traffic	6,609	7,234	6,613	8,746	7,425	7,286	11,884	7,776	9,199	9,227	9,258	10,561	9,820	8,961	9,940	
- Other Violations	82	115	124	311	126	251	269	285	283	196	260	190	127	131	83	
- Criminal Actions	500	751	505	225	626	505	647	869	675	868	681	703	1,189	878	838	
<b>Total Terminations</b>	6,575	7,766	7,044	8,381	7,418	7,127	10,945	7,990	9,483	9,525	9,125	10,124	10,555	9,538	10,492	8,806
<b>Pending at End</b>	2,388	3,127	3,628	4,805	6,982	6,982	9,169	10,577	11,616	12,808	14,255	16,041	17,188	18,188	19,218	10,465
<b>Disposition Rate</b>	87%	91%	93%	88%	88%	86%	83%	85%	90%	89%	86%	85%	90%	91%	91%	88%
<b>Number of FTE Judges</b>	0.13	0.16	0.17	0.20	0.17	0.16	0.25	0.24	0.22	0.22	0.16	0.26	0.27	0.26	0.29	
<b>Filings Per Judge</b>	57,831	53,156	44,382	47,790	49,576	51,838	52,528	39,158	47,827	48,691	66,106	45,808	43,341	40,531	39,731	48,553
<b>Terminations Per Judge</b>	50,577	48,538	41,435	41,905	43,635	44,544	43,780	33,292	43,105	43,295	57,031	38,938	39,093	36,685	36,179	42,802
<b>Judges Per 100,000 Pop.</b>	0.34	0.41	0.43	0.50	0.42	0.39	0.61	0.58	0.53	0.52	0.38	0.61	0.63	0.60	0.66	0.51
<b>Filings Per 1,000 Pop.</b>	194.77	217.95	191.27	239.74	209.17	203.71	319.21	226.12	251.31	253.98	248.96	278.32	271.51	242.27	262.49	240.72
<b>Wahiawa District Pop.</b>	38,599	39,022	39,446	39,869	40,292	40,715	41,139	41,562	41,869	42,177	42,484	42,792	43,099	43,497	43,895	

Notes:

(1) FY 1987-88 Filing and Termination Data: Total Filings = 9,960; Total Terminations = 9,196; Pending Cases = 19,982; Disposition Rate = 92%.  
 Civil Filings = 612; Traffic = 8,191; Other = 115; Criminal = 1,042.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 14**  
**First Circuit - Wahiawa District Court Filing Projections, 1990-2005**

WAIHAWA DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	7,518	8,505	7,545	9,558	8,428	8,294	13,132	9,398	10,522	10,712	10,577	11,910	11,702	10,538	11,522
Filings Per 1,000 Pop.	194.77	217.95	191.27	239.74	209.17	203.71	319.21	226.12	251.31	253.98	248.96	278.32	271.51	242.27	262.49
District Population	38,599	39,022	39,446	39,869	40,292	40,715	41,139	41,562	41,869	42,177	42,484	42,792	43,099	43,497	43,895

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87
	Number	Per Year	Percent	Per Year	Average
District Court Filings	4,004	286	53.3%	3.8%	9,991
Filings Per 1,000 Pop.	67.72	4.84	34.8%	2.5%	240.72

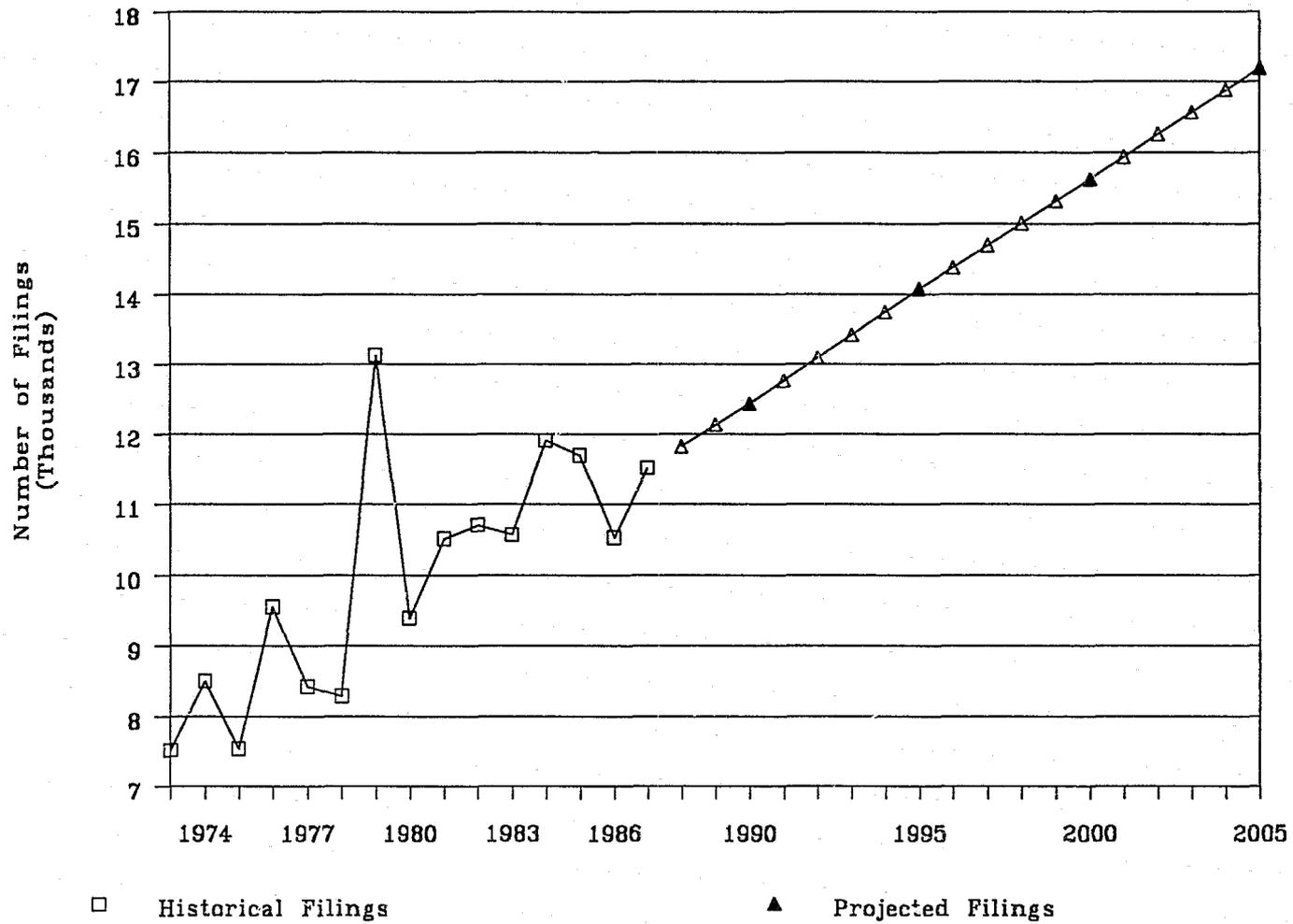
PROJECTED POPULATION	1990	1995	2000	2005
Wahiawa District	45,089	46,711	47,270	47,80

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 3.8%/year from 11,522 base	12,836	15,025	17,214	19,403	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-75 to Avg. 1984-87 = 201.33-263.65 = 62.32 = 4.45/year from 262.49 base	12,437	13,924	15,142	16,369
2) ACTUAL NUMBER INCREASE = 286/year from 11,522 base	12,380	13,810	15,240	16,670	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-75 to Avg. 1984-87 Act. # = 7,856-11,418 = 3,562; Pop. = 39,022-43,321 = 4,299; Ratio = 3,562/4,299 = 0.8286	275.84	298.09	320.34	342.59
3) INC. # RATIO TO POPULATION = 4.84/year from 262.49 base	12,490	14,070	15,382	16,704	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 0.8286 + 11,522 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-75 to Avg. 1984-87 = 7,856-11,418 = 45.3% = 3.23%/year from 11,522 base	12,638	14,499	16,360	18,221	10) MULTIPLE REGRESSION Formula = -21,788 + 0.76829(Pop) Correlation = .568	12,511	13,855	14,319	14,741
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-75 to Avg. 1984-87 = 254/year from 11,522 base	12,284	13,554	14,824	16,094	RECOMMENDED FORECAST →	11,878	13,288	14,698	16,108
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-75 to Avg. 1984-87 = 201.33-263.65 = 31.0% = 2.21%/year from 262.49 base	12,620	14,429	15,973	17,531	AVERAGE MODELS 1,2,4,5,6,7,9	12,853	14,100	14,529	14,921
	279.89	308.90	337.90	366.91		12,439	14,076	15,636	17,199

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 14: DISTRICT COURT FILINGS

1ST CIRC.: WAHIAWA DISTRICT, 1973-2005

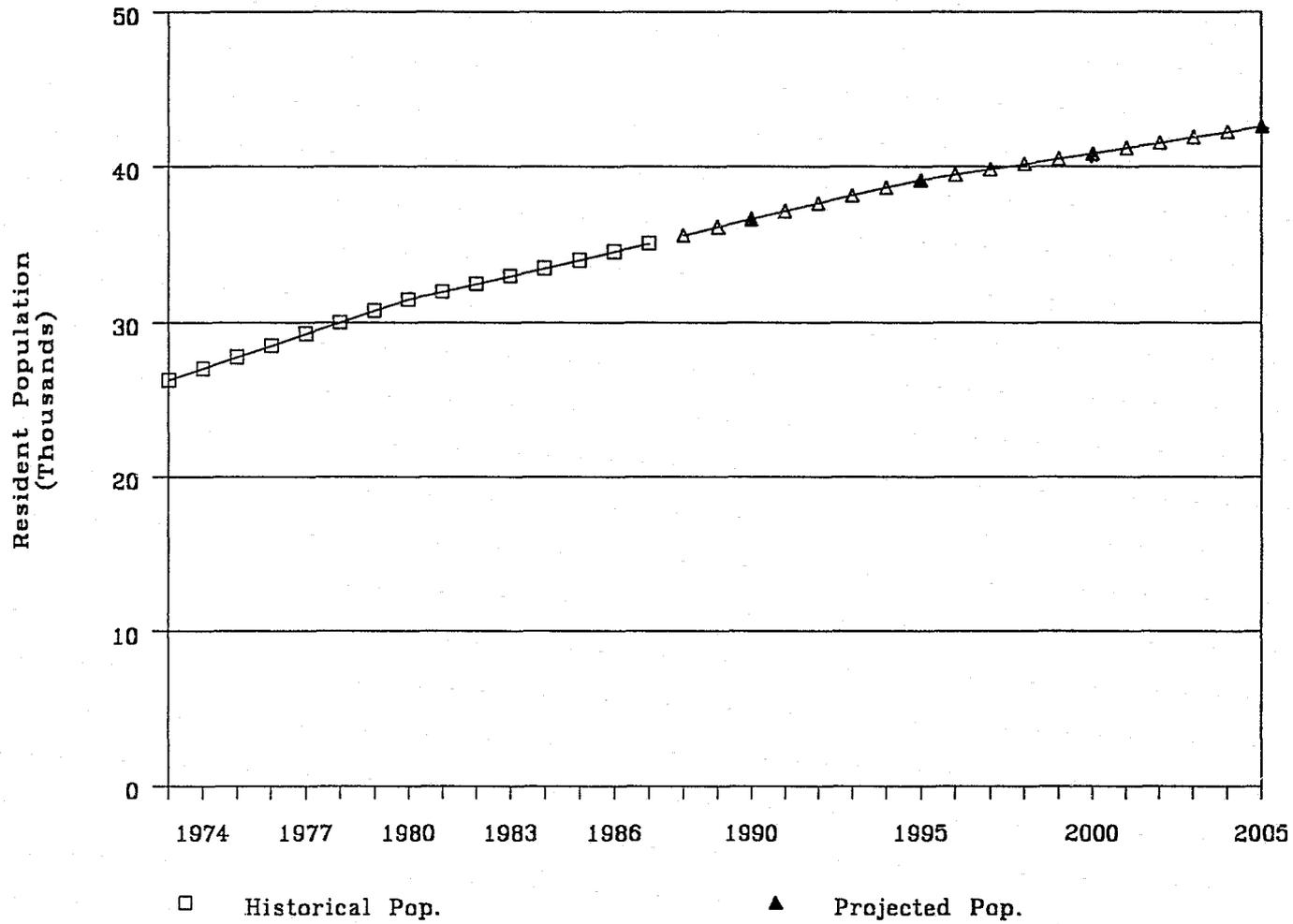


**Table 15**  
**First Circuit -- Population Analysis and Forecasts, 1970-2005**  
**Waianae District and Honolulu County**

Year	Waianae District Population	Number Per Year	Percent Per Year	Honolulu County Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>						
1970	24,077	--	--	631,600	--	--
1971	24,818	741	3.1%	654,600	23,000	3.6%
1972	25,559	741	3.0%	674,700	20,100	3.1%
1973	26,300	741	3.1%	691,400	16,700	2.5%
1974	27,041	741	2.8%	707,600	16,200	2.3%
1975	27,782	741	2.7%	718,600	11,000	1.6%
1976	28,523	741	2.7%	728,300	9,700	1.3%
1977	29,264	741	2.6%	737,000	8,700	1.2%
1978	30,005	741	2.5%	742,600	5,600	0.8%
1979	30,746	741	2.5%	756,000	13,400	1.8%
1980	31,487	741	2.4%	764,800	8,800	1.2%
1981	31,995	508	1.6%	768,800	4,000	0.5%
1982	32,504	508	1.6%	778,700	9,900	1.3%
1983	33,012	508	1.6%	793,400	14,700	1.9%
1984	33,521	508	1.5%	802,400	9,000	1.1%
1985	34,029	508	1.5%	811,100	8,700	1.1%
1986	34,551	522	1.5%	822,300	11,200	1.4%
1987	35,072	522	1.5%	833,500	11,200	1.4%
<b>Average 1973-1987 =</b>		<b>634</b>	<b>2.1%</b>		<b>10,587</b>	<b>1.4%</b>
<b>Projected Population ==&gt;</b>						
1990	36,637	522	1.5%	867,100	11,200	1.3%
1995	39,139	500	1.4%	915,900	9,760	1.1%
2000	40,855	343	0.9%	945,400	5,900	0.6%
2005	42,607	350	0.9%	975,100	5,940	0.6%
<b>Average 1990-2005 =</b>		<b>429</b>	<b>1.1%</b>		<b>8,200</b>	<b>0.9%</b>
Source: Department of Business and Economic Development, State of Hawaii, July 1987. Based on resident population.						

# FIGURE 15: WAIANAE DISTRICT POPULATION

HISTORICAL AND PROJECTED, 1973-2005



**Table 16**  
**First Circuit - Waianae District Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

WAIANAЕ DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	5,389	5,821	3,681	4,347	4,823	5,002	5,537	4,921	4,392	5,661	6,086	5,199	6,165	7,962	7,180	
- Civil	635	599	458	388	373	404	524	555	610	590	608	658	760	676	897	
- Traffic	4,205	4,459	2,248	3,145	3,681	3,732	3,890	3,420	3,064	3,866	4,425	3,908	4,600	6,532	5,230	
- Other Violations	323	380	269	259	235	348	369	206	283	416	254	183	182	276	319	
- Criminal Actions	226	383	706	555	534	518	754	740	435	789	799	450	623	478	734	
Total Terminations	4,304	4,645	3,262	5,217	4,179	4,096	4,778	4,298	4,477	5,586	6,038	4,772	5,386	7,147	6,208	4,960
Pending at End	4,088	5,264	5,683	4,813	5,457	6,363	7,122	7,745	7,660	7,735	7,783	8,210	8,989	9,304	10,776	7,133
Disposition Rate	80%	80%	89%	120%	87%	82%	86%	87%	102%	99%	99%	92%	87%	90%	86%	91%
Number of FTE Judges	0.09	0.11	0.08	0.09	0.10	0.10	0.11	0.13	0.09	0.12	0.09	0.11	0.14	0.20	0.18	
Filings Per Judge	59,878	52,918	46,013	48,300	48,230	50,020	50,336	37,854	48,800	47,175	67,622	47,264	44,036	39,810	39,889	48,543
Terminations Per Judge	47,822	42,227	40,775	57,967	41,790	40,960	43,436	33,062	49,744	46,550	67,089	43,382	38,471	35,735	34,489	44,233
Judges Per 100,000 Pop.	0.34	0.41	0.29	0.32	0.34	0.33	0.36	0.41	0.28	0.37	0.27	0.33	0.41	0.58	0.51	0.37
Filings Per 1,000 Pop.	204.90	215.27	132.50	152.40	164.81	166.71	180.09	156.29	137.27	174.16	184.36	155.10	181.17	230.44	204.72	176.01
Waianae District Pop.	26,300	27,041	27,782	28,523	29,264	30,005	30,746	31,487	31,995	32,504	33,012	33,521	34,029	34,551	35,072	

**Notes:**

(1) FY 1987-88 Filing and Termination Data: Total Filings = 7,753; Total Terminations = 7,031; Pending Cases = 11,498; Disposition Rate = 91%.  
 Civil Filings = 991; Traffic = 5,720; Other = 413; Criminal = 629.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 17**  
**First Circuit - Waianae District Court Filing Projections, 1990-2005**

WAIANAЕ DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	5,389	5,821	3,681	4,347	4,823	5,002	5,537	4,921	4,392	5,661	6,086	5,199	6,165	7,962	7,180
Filings Per 1,000 Pop.	204.90	215.27	132.50	152.40	164.81	166.71	180.09	156.29	137.27	174.16	184.36	155.10	181.17	230.44	204.72
District Population	26,300	27,041	27,782	28,523	29,264	30,005	30,746	31,487	31,995	32,504	33,012	33,521	34,029	34,551	35,072

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87
	Number	Per Year	Percent	Per Year	Average
District Court Filings	1,791	128	33.2%	2.4%	5,478
Filings Per 1,000 Pop.	-0.18	-0.01	-0.1%	0.0%	176.01

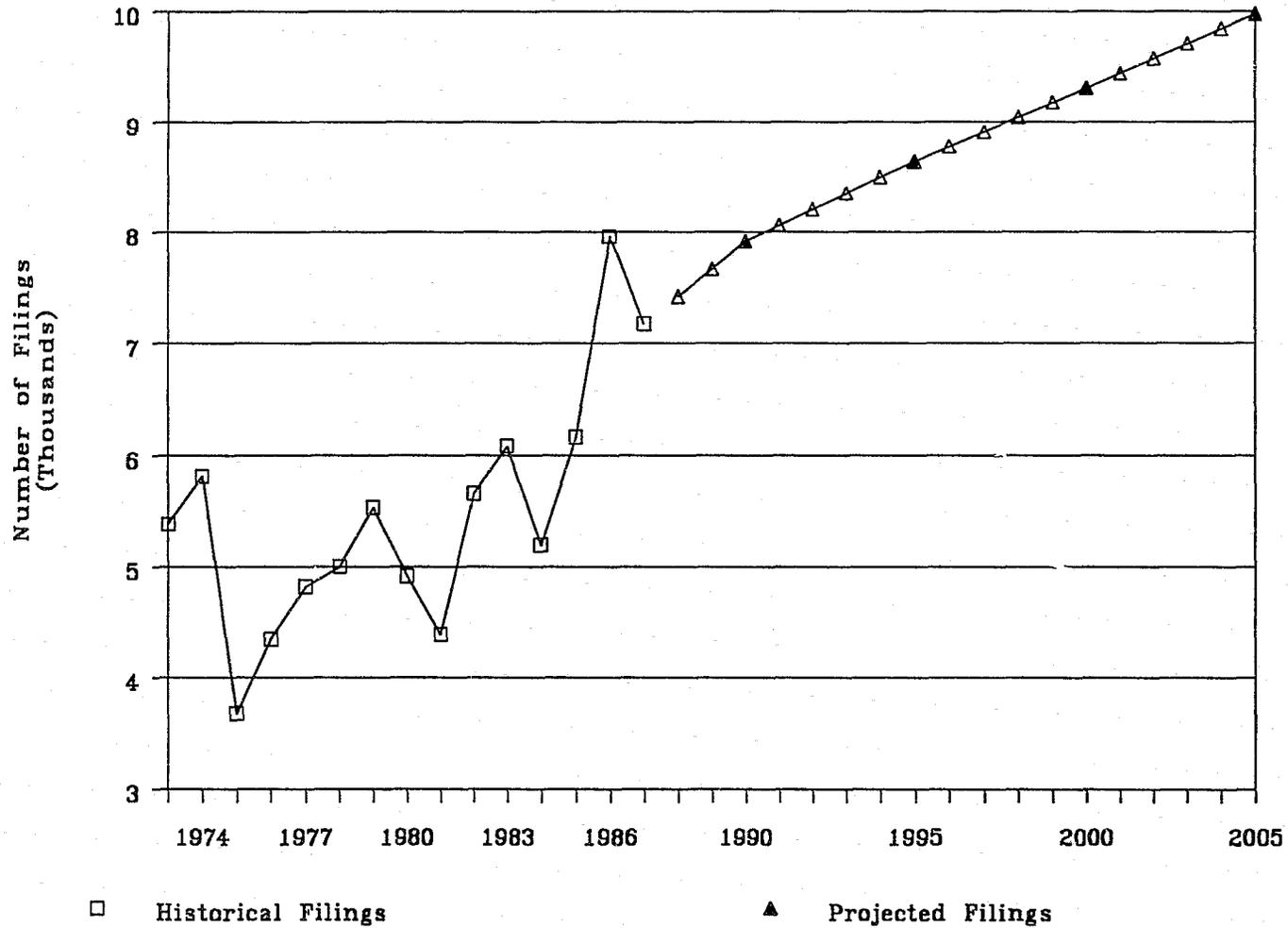
PROJECTED POPULATION	1990	1995	2000	2005
Waianae District	36,637	39,139	40,855	42,607

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 2.4%/year from 7,180 base	7,697	8,559	9,420	10,282	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-74 to Avg. 1986-87 = 210.09-217.58 = 7.49 = 0.535/year from 204.72 base	7,559	8,180	8,648	9,133
2) ACTUAL NUMBER INCREASE = 128/year from 7,180 base	7,564	8,204	8,844	9,484	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-74 to Avg. 1986-87 Act. # = 5,605-7,571 = 1,966; Pop. = 26,671-34,812 = 8,141; Ratio = 1,966:8,141 = 0.242	206.33	209.00	211.68	214.35
3) HIGH # RATIO TO POPULATION = 1986-87 = 230.44	8,443	9,019	9,415	9,818	9) LINEAR REGRESSION (Least Squares Analysis)	Formula: Future population - 1987 population = x; x * 0.242 + 7,180 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-74 to Avg. 1986-87 = 5,605-7,571 = 35.1% = 2.5%/year from 7,180 base	230.44	230.44	230.44	230.44	10) MULTIPLE REGRESSION Formula = -1,972 + 0.23989(Pop) Correlation = .379	7,559	8,164	8,579	9,003
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-74 to Avg. 1986-87 = 140/year from 7,180 base	7,719	8,616	9,514	10,411		6,431	7,236	8,041	8,846
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-74 to Avg. 1986-87 = 210.09-217.58 = 3.57% = 0.3%/year from 204.72 base	7,600	8,300	9,000	9,700		6,817	7,417	7,829	8,249
	7,568	8,205	8,690	9,194	<b>RECOMMENDED FORECAST ==&gt;</b>				
	206.56	209.63	212.70	215.77	<b>AVERAGE MODELS 3,4,5</b>	<b>7,920</b>	<b>8,645</b>	<b>9,309</b>	<b>9,976</b>

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 17: DISTRICT COURT FILINGS

1ST CIRC.: WALANAE DISTRICT, 1973-2005



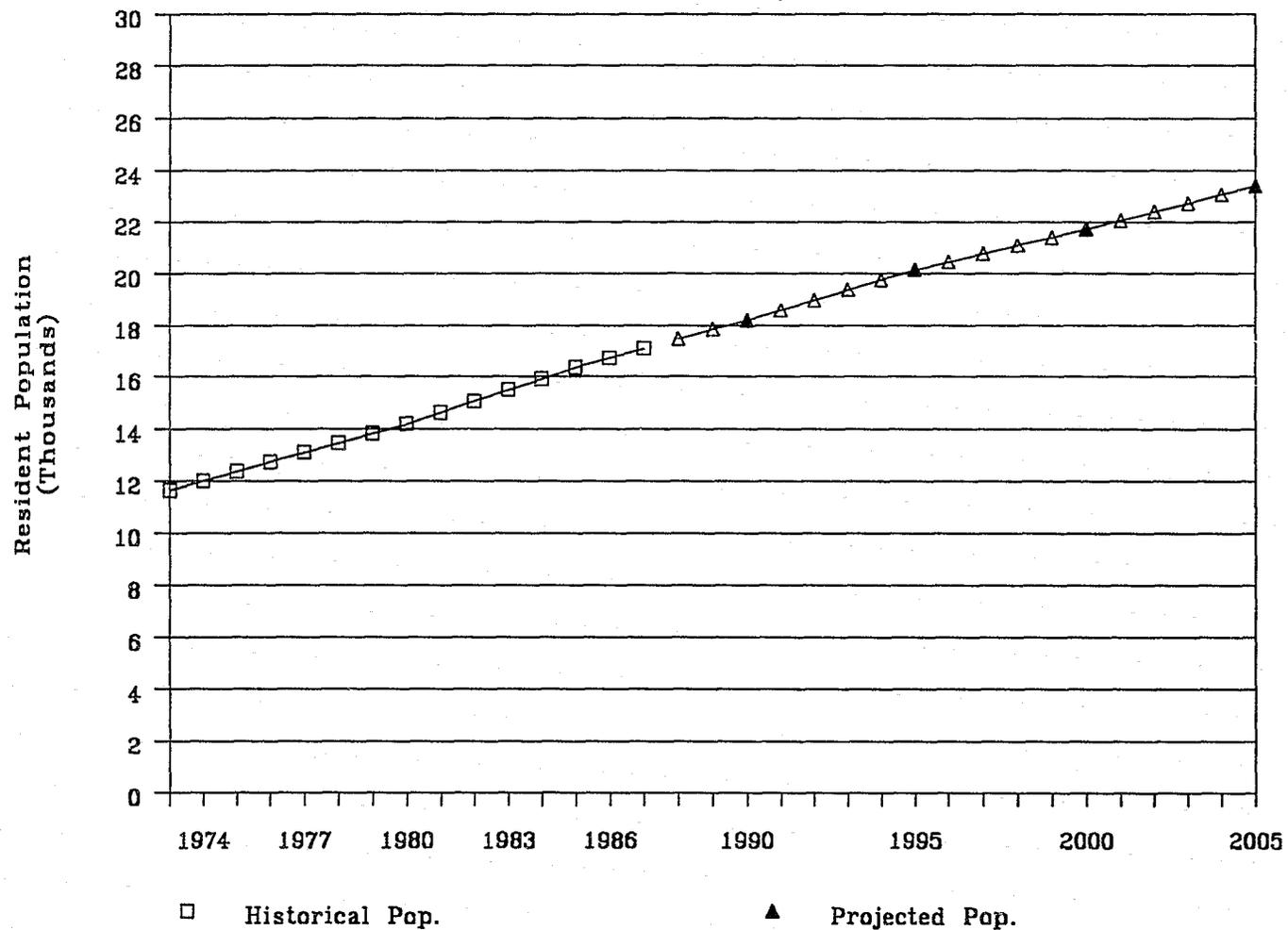
**Table 18**  
**First Circuit -- Population Analysis and Forecasts, 1970-2005**  
**Koolauioa District and Honolulu County**

Year	Koolauioa District Population	Number Per Year	Percent Per Year	Honolulu County Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>						
1970	10,562	--	--	631,600	--	--
1971	10,925	363	3.4%	654,600	23,000	3.6%
1972	11,289	363	3.3%	674,700	20,100	3.1%
1973	11,652	363	3.4%	691,400	16,700	2.5%
1974	12,015	363	3.1%	707,600	16,200	2.3%
1975	12,378	363	3.0%	718,600	11,000	1.6%
1976	12,742	363	2.9%	728,300	9,700	1.3%
1977	13,105	363	2.9%	737,000	8,700	1.2%
1978	13,468	363	2.8%	742,600	5,600	0.8%
1979	13,832	363	2.7%	756,000	13,400	1.8%
1980	14,195	363	2.6%	764,800	8,800	1.2%
1981	14,629	434	3.1%	768,800	4,000	0.5%
1982	15,064	434	3.0%	778,700	9,900	1.3%
1983	15,498	434	2.9%	793,400	14,700	1.9%
1984	15,933	434	2.8%	802,400	9,000	1.1%
1985	16,367	434	2.7%	811,100	8,700	1.1%
1986	16,735	368	2.3%	822,300	11,200	1.4%
1987	17,104	368	2.2%	833,500	11,200	1.4%
<b>Average 1973-1987 =</b>		<b>388</b>	<b>2.8%</b>		<b>10,537</b>	<b>1.4%</b>
<b>Projected Population ==&gt;</b>						
1990	18,209	368	2.2%	867,100	11,200	1.3%
1995	20,150	388	2.1%	915,900	9,760	1.1%
2000	21,744	319	1.6%	945,400	5,900	0.6%
2005	23,402	332	1.5%	975,100	5,940	0.6%
<b>Average 1990-2005 =</b>		<b>352</b>	<b>1.8%</b>		<b>8,200</b>	<b>0.9%</b>

Source: Department of Business and Economic Development, State of Hawaii, July 1987.  
 Based on resident population.

# FIG. 18: KOOLAULOA DISTRICT POPULATION

HISTORICAL AND PROJECTED, 1973-2005



**Table 19**  
**First Circuit - Koolauloa District Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

KOOLAULOA DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
<b>Total District Filings</b>	<b>2,460</b>	<b>3,332</b>	<b>2,920</b>	<b>2,420</b>	<b>2,343</b>	<b>2,310</b>	<b>2,061</b>	<b>2,112</b>	<b>2,925</b>	<b>2,117</b>	<b>2,028</b>	<b>2,138</b>	<b>3,962</b>	<b>6,036</b>	<b>6,764</b>	
- Civil	215	185	168	138	135	169	150	172	187	226	189	270	219	193	250	
- Traffic	2,145	2,991	2,652	2,183	2,134	2,033	1,827	1,849	2,603	1,806	1,745	1,799	3,497	5,429	5,891	
- Other Violations	2	11	7	17	6	7	3	5	31	19	25	13	39	54	24	
- Criminal Actions	98	145	93	82	68	101	81	86	104	66	69	56	207	360	599	
<b>Total Terminations</b>	<b>1,808</b>	<b>2,357</b>	<b>2,170</b>	<b>3,955</b>	<b>1,931</b>	<b>2,350</b>	<b>1,449</b>	<b>2,540</b>	<b>2,531</b>	<b>2,225</b>	<b>2,407</b>	<b>1,676</b>	<b>2,697</b>	<b>3,732</b>	<b>4,462</b>	<b>2,553</b>
<b>Pending at End</b>	<b>2,868</b>	<b>3,843</b>	<b>4,593</b>	<b>3,058</b>	<b>3,470</b>	<b>3,430</b>	<b>4,042</b>	<b>3,614</b>	<b>4,008</b>	<b>3,900</b>	<b>3,521</b>	<b>3,983</b>	<b>5,248</b>	<b>7,552</b>	<b>9,854</b>	<b>4,466</b>
<b>Disposition Rate</b>	<b>73%</b>	<b>71%</b>	<b>74%</b>	<b>163%</b>	<b>82%</b>	<b>102%</b>	<b>70%</b>	<b>120%</b>	<b>87%</b>	<b>105%</b>	<b>119%</b>	<b>78%</b>	<b>68%</b>	<b>62%</b>	<b>66%</b>	<b>89%</b>
<b>Number of FTE Judges</b>	<b>0.04</b>	<b>0.06</b>	<b>0.07</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	<b>0.04</b>	<b>0.05</b>	<b>0.06</b>	<b>0.04</b>	<b>0.03</b>	<b>0.05</b>	<b>0.09</b>	<b>0.15</b>	<b>0.17</b>	
<b>Filings Per Judge</b>	<b>61,500</b>	<b>55,533</b>	<b>41,714</b>	<b>48,400</b>	<b>46,860</b>	<b>46,200</b>	<b>51,525</b>	<b>42,240</b>	<b>48,750</b>	<b>52,925</b>	<b>67,600</b>	<b>42,760</b>	<b>44,022</b>	<b>40,240</b>	<b>39,788</b>	<b>48,671</b>
<b>Terminations Per Judge</b>	<b>45,200</b>	<b>39,283</b>	<b>31,000</b>	<b>79,100</b>	<b>38,620</b>	<b>47,000</b>	<b>36,225</b>	<b>50,800</b>	<b>42,183</b>	<b>55,625</b>	<b>80,233</b>	<b>33,520</b>	<b>29,967</b>	<b>24,880</b>	<b>26,247</b>	<b>43,992</b>
<b>Judges Per 100,000 Pop.</b>	<b>0.34</b>	<b>0.50</b>	<b>0.57</b>	<b>0.39</b>	<b>0.38</b>	<b>0.37</b>	<b>0.29</b>	<b>0.35</b>	<b>0.41</b>	<b>0.27</b>	<b>0.19</b>	<b>0.31</b>	<b>0.55</b>	<b>0.90</b>	<b>0.99</b>	<b>0.45</b>
<b>Filings Per 1,000 Pop.</b>	<b>211.12</b>	<b>277.32</b>	<b>235.90</b>	<b>189.92</b>	<b>178.79</b>	<b>171.52</b>	<b>149.00</b>	<b>148.78</b>	<b>199.95</b>	<b>140.53</b>	<b>130.86</b>	<b>134.19</b>	<b>242.07</b>	<b>360.68</b>	<b>395.46</b>	<b>211.07</b>
<b>Koolauloa District Pop.</b>	<b>11,652</b>	<b>12,015</b>	<b>12,378</b>	<b>12,742</b>	<b>13,105</b>	<b>13,468</b>	<b>13,832</b>	<b>14,195</b>	<b>14,629</b>	<b>15,064</b>	<b>15,498</b>	<b>15,933</b>	<b>16,367</b>	<b>16,735</b>	<b>17,104</b>	

**Notes:**

(1) FY 1987-88 Filing and Termination Data: Total Filings = 5,932; Total Terminations = 4,101; Pending Cases = 11,605; Disposition Rate = 69%.  
 Civil Filings = 318; Traffic = 5,229; Other = 100; Criminal = 285.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 20**  
**First Circuit - Koolauloa District Court Filing Projections, 1990-2005**

KOOLAULOA DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	2,460	3,332	2,920	2,420	2,343	2,310	2,061	2,112	2,925	2,117	2,028	2,138	3,962	6,036	6,764
Filings Per 1,000 Pop.	211.12	277.32	235.90	189.92	178.79	171.52	149.00	148.78	199.95	140.53	130.86	134.19	242.07	360.68	395.46
District Population	11,652	12,015	12,378	12,742	13,105	13,468	13,832	14,195	14,629	15,064	15,498	15,933	16,367	16,735	17,104

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
District Court Filings	4,304	307	175.0%	12.5%	3,062
Filings Per 1,000 Pop.	184.34	13.17	87.3%	6.2%	211.07

PROJECTED POPULATION	1990	1995	2000	2005
	Koolauloa District	18,209	20,150	21,744

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 12.5%/year from 6,764 base	9,301	13,528	17,756	21,983	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 241.45-378.07 = 136.62 = 9.75/year from 395.46 base	7,734	9,540	11,355	13,362
2) ACTUAL NUMBER INCREASE = 307/year from 6,764 base	7,685	9,220	10,755	12,290	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-75 to Avg. 1986-87 Act. # = 2,904-6,400 = 3,496; Pop. = 12,015-16,920 = 4,905; Ratio = 3,496:4,905 = 0.713	424.71	473.46	522.21	570.96
3) INC. # RATIO TO POPULATION = 13.17/year from 395.46 base	7,920	10,092	12,322	14,802		Formula: Future population - 1987 population = x; x * 0.713 + 6,764 base	7,552	8,936	10,072
4) MODIFIED HISTORICAL TREND = Avg. 1973-75 to Avg. 1986-87 = 2,904-6,400 = 120.4% = 8.6%/year from 6,764 base	434.97	500.82	566.67	632.52	9) LINEAR REGRESSION (Least Squares Analysis)	3,944	4,834	5,724	6,614
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-75 to Avg. 1986-87 = 250/year from 6,764 base	8,509	11,418	14,326	17,235	10) MULTIPLE REGRESSION Formula = -3,599 + 0.46536(Pop) Correlation = .314	4,875	5,778	6,520	7,291
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-75 to Avg. 1986-87 = 241.45-378.07 = 56.6% = 4.0%/year from 395.46 base	7,514	8,764	10,014	11,264	<b>RECOMMENDED FORECAST ==&gt;</b>				
	8,065	10,518	13,070	15,918	<b>AVERAGE MODELS 5,7,8</b>	<b>7,600</b>	<b>9,080</b>	<b>10,480</b>	<b>11,960</b>
	442.92	522.01	601.10	680.19					

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 20: DISTRICT COURT FILINGS

1ST CIRC.: KOOLAULOA DISTRICT 1973-2005

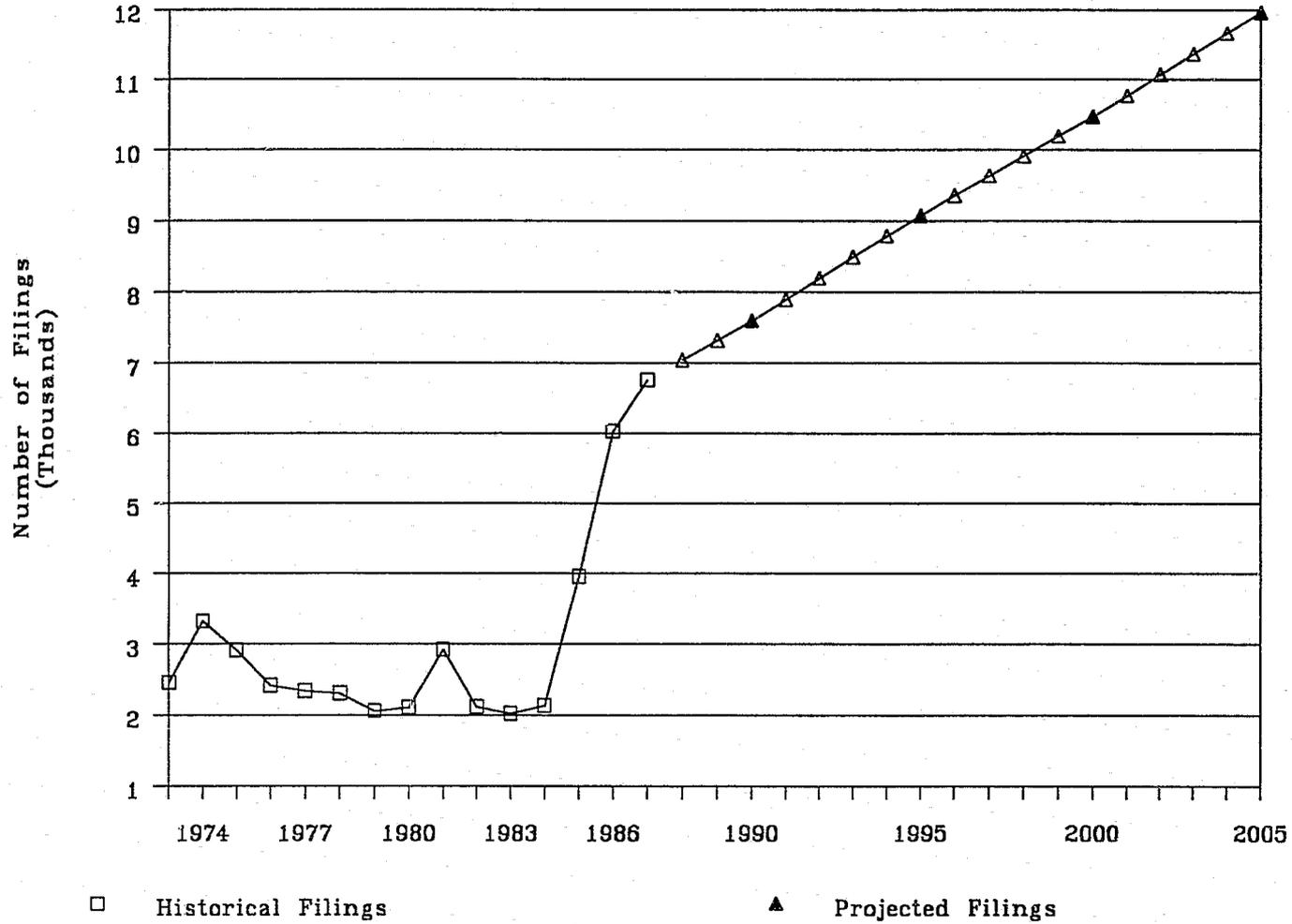
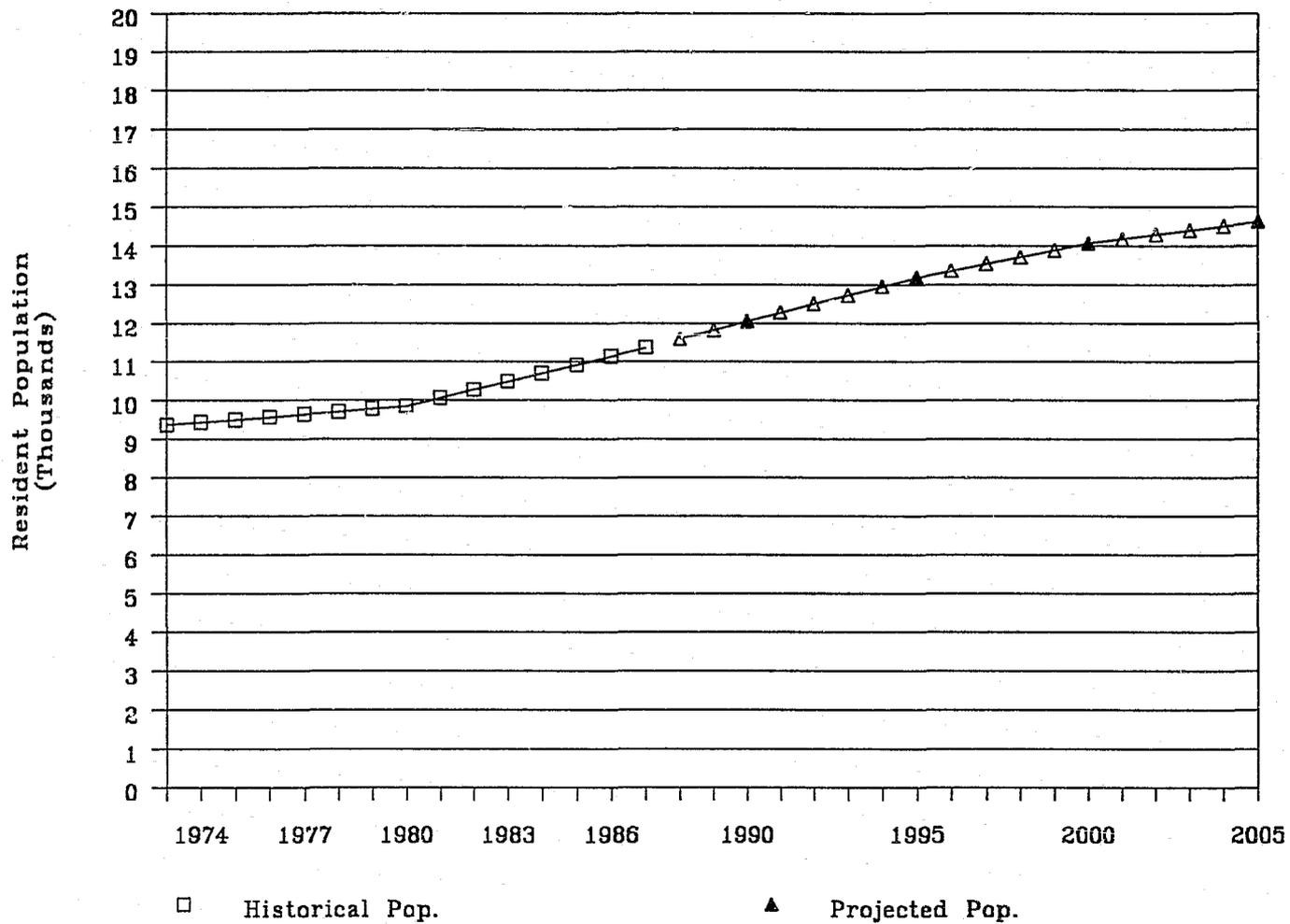


Table 21 First Circuit -- Population Analysis and Forecasts, 1970-2005 Waialua District and Honolulu County						
Year	Waialua District Population	Number Per Year	Percent Per Year	Honolulu County Population	Number Per Year	Percent Per Year
<b>Historical Population ==&gt;</b>						
1970	9,171	—	—	631,600	—	—
1971	9,239	68	0.7%	654,600	23,000	3.6%
1972	9,307	68	0.7%	674,700	20,100	3.1%
1973	9,374	68	0.7%	691,400	16,700	2.5%
1974	9,442	68	0.7%	707,600	16,200	2.3%
1975	9,510	68	0.7%	718,600	11,000	1.6%
1976	9,578	68	0.7%	728,300	9,700	1.3%
1977	9,646	68	0.7%	737,000	8,700	1.2%
1978	9,713	68	0.7%	742,600	5,600	0.8%
1979	9,781	68	0.7%	756,000	13,400	1.8%
1980	9,849	68	0.7%	764,800	8,800	1.2%
1981	10,064	215	2.2%	768,800	4,000	0.5%
1982	10,278	215	2.1%	778,700	9,900	1.3%
1983	10,493	215	2.1%	793,400	14,700	1.9%
1984	10,707	215	2.0%	802,400	9,000	1.1%
1985	10,922	215	2.0%	811,100	8,700	1.1%
1986	11,148	226	2.1%	822,300	11,200	1.4%
1987	11,374	226	2.0%	833,500	11,200	1.4%
<b>Average 1973-1987 =</b>		<b>138</b>	<b>1.3%</b>		<b>10,587</b>	<b>1.4%</b>
<b>Projected Population ==&gt;</b>						
1990	12,051	226	2.0%	867,100	11,200	1.3%
1995	13,180	226	1.9%	915,900	9,760	1.1%
2000	14,069	178	1.3%	945,400	5,900	0.6%
2005	14,627	112	0.8%	975,100	5,940	0.6%
<b>Average 1990-2005 =</b>		<b>185</b>	<b>1.5%</b>		<b>8,200</b>	<b>0.9%</b>
Source: Department of Business and Economic Development, State of Hawaii, July 1987. Based on resident population.						

# FIGURE 21: WAIALUA DISTRICT POPULATION

HISTORICAL AND PROJECTED, 1973-2005



**Table 22**  
**First Circuit - Waiialua District Court Filings and Judgeships**  
**Historical Analysis, 1973-1987**

WAIALUA DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1973-87 Average
Total District Filings	5,025	5,490	4,614	4,965	4,205	3,879	4,603	4,319	5,032	4,527	4,361	5,053	5,221	5,105	5,451	
- Civil	126	169	99	115	118	94	133	123	179	170	169	226	228	221	299	
- Traffic	4,640	4,930	4,135	4,367	3,714	3,397	3,973	3,723	4,409	3,970	3,728	4,498	4,576	4,273	4,696	
- Other Violations	50	47	96	211	108	143	156	123	179	184	225	165	107	117	83	
- Criminal Actions	209	344	284	272	265	245	341	350	265	203	239	164	310	494	373	
Total Terminations	4,224	4,359	4,246	4,166	3,148	3,045	3,339	3,406	4,348	3,814	3,624	3,962	4,634	4,531	5,008	3,990
Pending at End	2,048	3,179	3,547	4,346	5,403	6,237	7,501	8,414	9,098	9,811	10,548	11,639	12,226	12,800	13,243	8,003
Disposition Rate	84%	79%	92%	84%	75%	78%	73%	79%	86%	84%	83%	78%	89%	89%	92%	83%
Number of FTE Judges	0.09	0.10	0.10	0.10	0.08	0.08	0.09	0.11	0.11	0.09	0.07	0.11	0.12	0.13	0.14	
Filings Per Judge	55,833	54,900	46,140	49,650	52,563	48,488	51,144	39,264	45,745	50,300	62,300	45,936	43,508	39,289	38,936	48,265
Terminations Per Judge	46,933	43,590	42,460	41,660	39,350	38,063	37,100	30,964	39,527	42,378	51,771	36,018	38,617	34,854	35,771	39,937
Judges Per 100,000 Pop.	0.96	1.06	1.05	1.04	0.83	0.82	0.92	1.12	1.09	0.88	0.67	1.03	1.10	1.17	1.23	1.00
Filings Per 1,000 Pop.	536.06	581.44	485.17	518.38	435.93	399.36	470.61	438.52	500.00	440.46	415.61	471.93	478.03	457.93	479.25	473.91
Waiialua District Pop.	9,374	9,442	9,510	9,578	9,646	9,713	9,781	9,849	10,064	10,278	10,493	10,707	10,922	11,148	11,374	

Notes:

(1) FY 1987-88 Filing and Termination Data: Total Filings = 4,567; Total Terminations = 3,930; Pending Cases = 13,880; Disposition Rate = 86%.  
 Civil Filings = 273; Traffic = 3,840; Other = 37; Criminal = 417.

Source: The Judiciary, State of Hawaii: Annual Reports (FY 1972-73 to FY 1986-87);  
 Carter Goble Associates, Inc., May 1988.

**Table 23**  
**First Circuit - Waialua District Court Filing Projections, 1990-2005**

WAIALUA DISTRICT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
District Court Filings	5,025	5,490	4,614	4,965	4,205	3,879	4,603	4,319	5,032	4,527	4,361	5,053	5,221	5,105	5,451
Filings Per 1,000 Pop.	536.06	581.44	485.17	518.38	435.93	399.36	470.61	438.52	500.00	440.46	415.61	471.93	478.03	457.93	479.25
District Population	9,374	9,442	9,510	9,578	9,646	9,713	9,781	9,849	10,064	10,278	10,493	10,707	10,922	11,148	11,374

FORECAST PERIOD: 1973-1987	# Change		% Change		1973-87 Average
	Number	Per Year	Percent	Per Year	
District Court Filings	426	30	8.5%	0.61%	4,790
Filings Per 1,000 Pop.	-56.81	-4.06	-10.6%	-0.8%	473.91

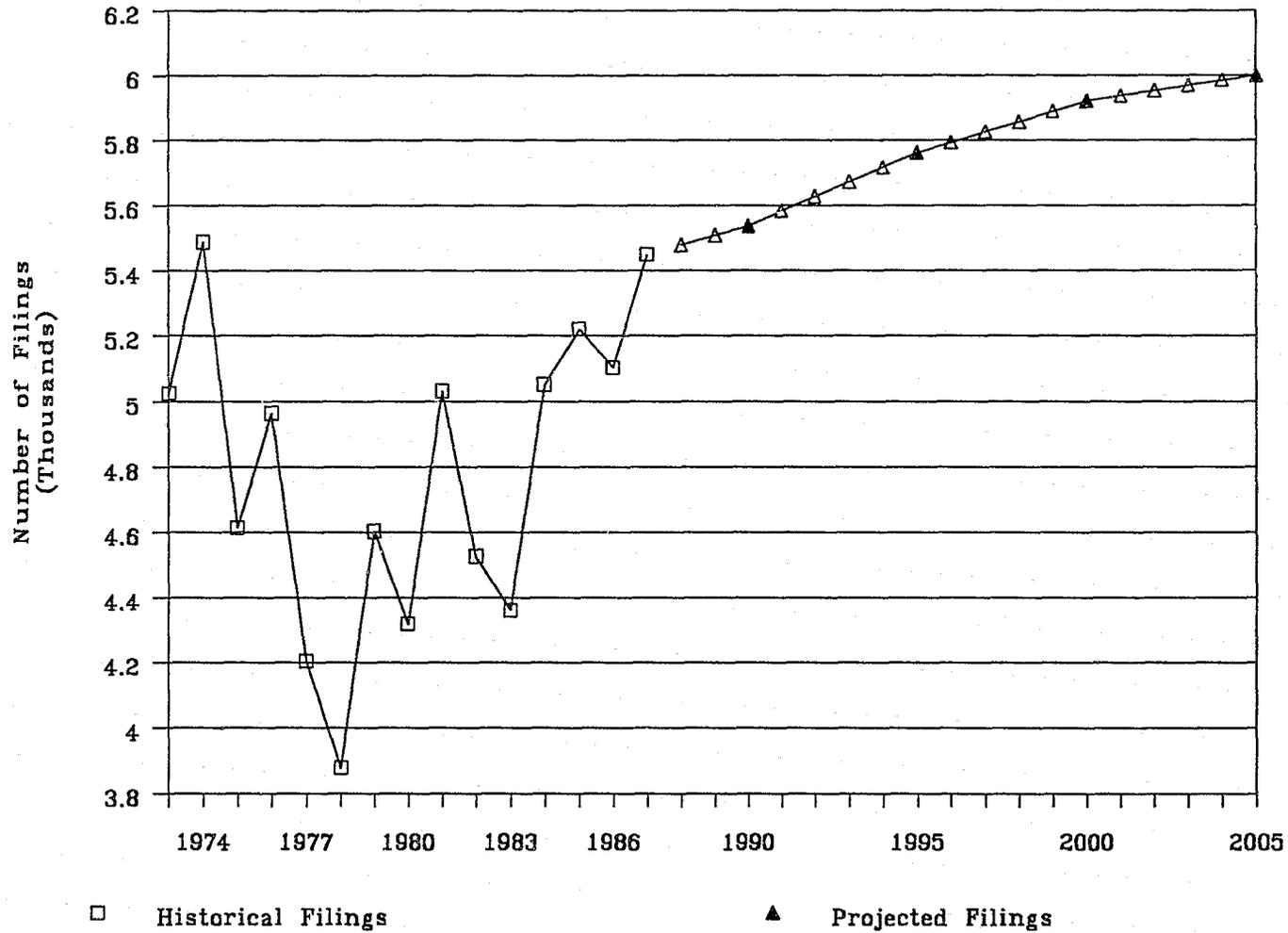
PROJECTED POPULATION	1990	1995	2000	2005
	Waialua District	12,051	13,180	14,069

FORECAST MODELS	1990	1995	2000	2005	FORECAST MODELS	1990	1995	2000	2005
1) HISTORICAL TREND INCREASE = 0.61%/year from 5,451 base	5,551	5,717	5,883	6,050	7) MODIFIED INC. # RATIO TO POP. = Avg. 1973-76 to Avg. 1984-87 = 530.26-471.79 = -58.47 = -4.17/year from 479.25 base	5,625	5,877	5,980	5,912
2) ACTUAL NUMBER INCREASE = 30/year from 5,451 base	5,541	5,691	5,841	5,991		466.74	445.89	425.04	404.19
3) AVERAGE # RATIO TO POPULATION = Average 1973-87 = 473.91	5,711	6,246	6,667	6,932	8) ACTUAL NO./POP. RELATIONSHIP = Avg. 1973-76 to Avg. 1986-87 Act. # = 5,024-5,278 = 254; Pop. = 9,476-11,261 = 1,785; Ratio = 254:1,785 = 0.143	Formula: Future population - 1987 population = x; x * 0.143 + 5,541 base			
4) MODIFIED HISTORICAL TREND = Avg. 1973-76 to Avg. 1986-87 = 5,024-5,278 = 5.1% = 0.36%/year from 5,451 base	473.91	473.91	473.91	473.91		5,548	5,709	5,836	5,916
5) MODIFIED ACTUAL NUMBER INC. = Avg. 1973-76 to Avg. 1986-87 = 18/year from 5,451 base	5,510	5,608	5,706	5,804	9) LINEAR REGRESSION (Least Squares Analysis)	4,540	4,650	4,760	4,870
6) MODIFIED INC. % RATIO TO POP. = Avg. 1973-76 to Avg. 1984-87 = 530.26-471.79 = -11.0% = -0.7%/year from 479.25 base	5,505	5,595	5,685	5,775	10) MULTIPLE REGRESSION Formula = 2,043 + 0.2712(Pop) Correlation = .142	5,312	5,618	5,860	6,011
	5,654	5,963	6,129	6,127	<b>RECOMMENDED FORECAST →</b>				
	469.19	452.41	435.64	418.86	<b>AVERAGE MODELS 1,2,6,7,8,10</b>	<b>5,538</b>	<b>5,763</b>	<b>5,922</b>	<b>6,001</b>

Source: Carter Goble Associates, Inc., May 1988.

# FIGURE 23: DISTRICT COURT FILINGS

1ST CIRCUIT: WALALUA DISTRICT 1978-2005



**Judgeship Forecasts by Judicial District**

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**FIRST CIRCUIT DISTRICT COURT****Judgeship Forecasts by Judicial Districts**

Tables 24 and 25 present the judgeship forecasts for each district within the Circuit. As previously stated, historical judgeships were calculated based on a percentage of the total filing level for the county. In Table 25, for example, Honolulu District accounted for 85 percent of all filings in 1987. Of the total 18.54 judges in the district as a whole, which includes the use of per diem judges, 85 percent of that number totals 15.76 judges for the Honolulu District. The remainder of Table 25 carries this analysis to the six other districts, as well as for the forecast years of 1990 through 2005.

The recommended forecast of judgeships for each judicial district is presented in Table 24. Model 1 is founded on the process just described of allocating judges based on the percentage of total filings within each district. Model 2 is based on the forecasted termination rates for the First Circuit for each year of the forecast period. For example, in 2005, the forecasted filings for Honolulu District is 962,039. Assuming a termination rate per judge of 65,700, this translates to a need for 14.64 judges in the year 2005. This exercise was completed for each of the remaining districts in the table.

The recommended forecast for the districts was Model 3, which averaged Models 1 and 2 as the results produced were so similar, yet derived from different methods. As with filings, the bulk of the judgeships would be in the Honolulu, Ewa, and Koolaupoko Districts, accounting for 17.1 of the total 17.8 judges. Seven-tenths of a judge would be required to serve the needs in the remaining four districts.

**Table 24**  
**First Circuit District Court**  
**Computation of District Court Judges by Judicial District, 1990-2005**

JUDICIAL DISTRICTS	Model 1				Model 2				Model 3			
	Judgeships as Percentage of Projected Filings (1)				Based on First Circuit District Court Termination Rates				Average of Models 1 and 2 * Recommended Forecast			
	1990	1995	2000	2005	1990	1995	2000	2005	1990	1995	2000	2005
Honolulu District	12.59	13.54	14.13	14.64	12.66	13.54	14.12	14.64	12.63	13.54	14.12	14.64
Ewa District	0.97	1.20	1.40	1.59	0.98	1.20	1.40	1.59	0.98	1.20	1.40	1.59
Koolaupoko District	0.64	0.73	0.81	0.88	0.65	0.73	0.81	0.88	0.65	0.73	0.81	0.88
Wahiawa District	0.22	0.24	0.25	0.26	0.22	0.24	0.25	0.26	0.22	0.24	0.25	0.26
Waianae District	0.14	0.14	0.15	0.15	0.14	0.14	0.15	0.15	0.14	0.14	0.15	0.15
Koolauloa District	0.13	0.15	0.17	0.18	0.13	0.15	0.17	0.18	0.13	0.15	0.17	0.18
Waialua District	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
<b>Total Judges</b>	<b>14.8</b>	<b>16.1</b>	<b>17.0</b>	<b>17.8</b>	<b>14.9</b>	<b>16.1</b>	<b>17.0</b>	<b>17.8</b>	<b>14.8</b>	<b>16.1</b>	<b>17.0</b>	<b>17.8</b>
Forecasted Judgeships	14.8	16.1	17.0	17.8								
Terminations per Judge					56,700	59,700	62,700	65,700				

**Notes:**

(1) Refer to Table 25 for the computation of judges based on the percentage of total filings in each judicial district.

Source: Carter Goble Associates, Inc., May 1988.

**Table 25**  
**First Circuit District Court**  
**Computation of Judges Based on Percentage of Total Filings**

Year	Total District Court Judges	JUDICIAL DISTRICTS													
		Honolulu		Ewa		Koolaupoko		Wahiawa		Waianae		Koolauloa		Waialua	
		% of Total Filings	No. of Judges	% of Total Filings	No. of Judges	% of Total Filings	No. of Judges	% of Total Filings	No. of Judges	% of Total Filings	No. of Judges	% of Total Filings	No. of Judges	% of Total Filings	No. of Judges
1973	8.58	89.1%	7.64	3.3%	0.28	3.6%	0.31	1.5%	0.13	1.1%	0.09	0.5%	0.04	1.0%	0.09
1974	9.88	87.6%	8.66	3.5%	0.35	4.5%	0.44	1.6%	0.16	1.1%	0.11	0.6%	0.06	1.0%	0.10
1975	11.50	89.2%	10.26	3.5%	0.41	3.6%	0.41	1.5%	0.17	0.7%	0.08	0.6%	0.07	0.9%	0.10
1976	11.20	88.5%	9.91	3.8%	0.42	3.7%	0.41	1.8%	0.20	0.8%	0.09	0.5%	0.05	0.9%	0.10
1977	12.14	90.1%	10.94	3.7%	0.44	3.0%	0.36	1.4%	0.17	0.8%	0.10	0.4%	0.05	0.7%	0.08
1978	12.60	90.8%	11.44	3.2%	0.40	3.0%	0.38	1.3%	0.16	0.8%	0.10	0.4%	0.05	0.6%	0.08
1979	14.08	89.5%	12.60	3.9%	0.55	3.1%	0.44	1.8%	0.25	0.8%	0.11	0.3%	0.04	0.6%	0.09
1980	17.36	90.4%	15.70	3.3%	0.57	3.2%	0.56	1.4%	0.24	0.7%	0.13	0.3%	0.05	0.6%	0.11
1981	15.69	89.2%	13.99	4.3%	0.67	3.5%	0.54	1.4%	0.22	0.6%	0.09	0.4%	0.06	0.7%	0.11
1982	16.79	90.2%	15.14	4.4%	0.73	2.6%	0.44	1.3%	0.22	0.7%	0.12	0.3%	0.04	0.6%	0.09
1983	13.09	89.9%	11.76	4.7%	0.62	2.7%	0.35	1.3%	0.16	0.7%	0.09	0.2%	0.03	0.5%	0.07
1984	16.98	89.4%	15.18	4.7%	0.80	2.8%	0.47	1.5%	0.26	0.7%	0.11	0.3%	0.05	0.6%	0.11
1985	17.99	88.0%	15.83	5.4%	0.97	3.1%	0.56	1.5%	0.27	0.8%	0.14	0.5%	0.09	0.7%	0.12
1986	20.37	86.8%	17.69	5.0%	1.01	4.6%	0.93	1.3%	0.26	1.0%	0.20	0.7%	0.15	0.6%	0.13
1987	18.54	85.0%	15.76	6.3%	1.17	4.4%	0.82	1.6%	0.29	1.0%	0.18	0.9%	0.17	0.7%	0.14
1990	14.80	85.1%	12.59	6.6%	0.97	4.3%	0.64	1.5%	0.22	0.9%	0.14	0.9%	0.13	0.7%	0.10
1995	16.10	84.1%	13.54	7.5%	1.20	4.6%	0.73	1.5%	0.24	0.9%	0.14	0.9%	0.15	0.6%	0.10
2000	17.00	83.1%	14.13	8.2%	1.40	4.8%	0.81	1.5%	0.25	0.9%	0.15	1.0%	0.17	0.6%	0.09
2005	17.80	82.3%	14.64	9.0%	1.59	4.9%	0.88	1.5%	0.26	0.9%	0.15	1.0%	0.18	0.5%	0.09

**Notes:**

(1) In order to forecast the required judges within each district of the Island, it was necessary to determine the number of judges currently conducting court in each location. This goal was achieved through first determining the proportion of total filings distributed among the districts, then applying this percentage to the total number of District Court Judges. This process is based on the assumption that judicial services are distributed based on the percentage of total filings within each district of the circuit. Although this is a rough estimate, it is sufficient for forecasting purposes.

(2) 1973-1987 judgeships include the use of per diem judges. 1990-2005 judgeships exclude per diem judges, but include the four District Court judges assigned to Circuit Court.

Source: Carter Goble Associates, Inc., May 1988.