

PROJECTING INSTITUTIONAL

ENROLLMENTS, 1973-1989

Prepared by the Staff of the

MINNESOTA HIGHER EDUCATION COORDINATING COMMISSION

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INTRODUCTION

If recent trends in Minnesota post-secondary education continue, enrollment patterns will be significantly different in the future than in the past. The dramatic enrollment increases experienced by public post-secondary collegiate institutions are not likely to continue into the future. Some systems will experience relative stability, and others will continue the enrollment decline they have experienced in the last two years. Enrollment in the area vocational-technical institutes, however, will continue to increase in the immediate future.

While it is difficult, if not impossible, to judge when a trend is starting, in the middle, or about to reverse, historic enrollment patterns have been highly correlated with the number of high school graduates each year. It is significant, therefore, that Minnesota's annual pool of high school graduates is estimated to increase five percent by 1977 and then decline 18 percent by 1989. Of equal importance, however, is the fact that this overall trend in estimated high school graduates is not uniform throughout the state. The pool of high school graduates in some regions is already beginning to decline while others continue to grow. Thus, the enrollment patterns of institutions within the systems will vary depending among other things, on where the institution is located and what the population patterns are in the surrounding areas. This report appropriately examines institutional enrollment in the years ahead in order to identify the magnitude of the uncertainties and contingencies facing post-secondary education and to provide a planning framework for the future.

Enrollment in post-secondary education is a voluntary, highly individual act. People who make this decision are not necessarily from one age group, socio-economic class, sex or location. However, the traditional entry level clientele has been the recent or near recent high school graduate. Minnesota's post-secondary institutions that serve this traditional clientele and others

desiring access have, over time, developed natural geographic patterns of service areas within the state. Some institutions such as junior colleges typically serve needs within a reasonable commuting distance. Others such as the University's Twin Cities Campus have a much wider pattern of service. This report assumes for the purposes of forecasting institutional enrollment at this time, that the conditions associated with participation of the traditional entry level clientele--the high school graduate--and the geographic or spatial relationships of institutional natural service areas are the primary known forces influencing enrollments. The report does not:

1. Forecast student choice factors between institutions because little empirical evidence exists to identify objectively this behavior;
2. Forecast economic conditions, or unknowns such as future changes in tuition rates, institutional or program enrollment limits;
3. Forecast changes in programs or delivery mechanisms that may alter the nature of the clientele served.

Other future unknowns that can effect total enrollments are:

1. Student mobility which is dependent upon future student aid policies;
2. What kinds of programs - long or short duration - that students select and how they persist in achieving their selected goal;
3. Transfer and reentry behavior of students;
4. How individual institutions or systems modify their recruiting methods and geographic scope.

While all these concerns are imbedded as historical fact in the existing forecast methodology, changes in such unknown conditions are unclear and no

judgements are made with the forecast model to alter these variables in the future.

Prognostication is not the purpose of this report. The forecasts are neither "right" nor "wrong", they are broad simulations of conditions that include continuing, reversing and stabilizing current trends. The forecasts are, however, focused to trace the consequences of existing and future patterns of high school graduate populations on the total enrollment trend picture of the public and private post-secondary institutions in Minnesota.

The methodology traces best the effects on institutions with "standard" undergraduate programs. New institutions that do not have a conditional enrollment history are simulated by initial participation rates chosen to roughly yield the enrollment projections made by their respective system offices. These institutions are Crookston and Waseca in the University system; Dakota County, East Grand Forks, Hutchinson, Red Wing, and Suburban Hennepin, in the Area Vocational-Technical Institute System; no attempt was made to forecast Metropolitan State College using this methodology because it is new and has little dependence on the traditional clientele.

Although enrollment of older students, employed persons, and graduate students are not treated as separate variables, these students are not ignored in the forecast methodology. Students in these categories are included in the basis of their historic relationship to the high school graduate clientele. This provides a reasonable basis for short-run enrollment projections. We know, for example, that enrollment of persons over 21 in the area vocational-technical institutes has increased dramatically from 7.4 percent of total enrollment in these schools in 1966-68 to over 24 percent in 1972-73. We do not know, however, whether or not this trend will continue nor do we know the magnitude of this trend in other systems. It is important to emphasize, however,

that because historic trends are included in the forecast methodology, older students are implicitly included in each of the forecasts. Graduate, part-time, and transfer enrollments are treated in a similar manner, and as a result, possible changes in enrollment patterns for these students suggest additional complexity and introduce additional uncertainty into the longer range picture.

Finally, if one is compelled to select subjectively the conditional forecast that might prevail Simulation 1, "Extending 1972 Participation Rates to 1989" offers stabilized effects reflecting existing conditions into 1973 and beyond--a reasonable assumption for the near future. As one looks further into the future, the unknown contingencies, such as identified earlier, will come into play and in turn be modulated by the estimated student pool at that time. In order to assess potential effects of such future contingencies two additional forecasts for each institution were made. The first additional simulation for collegiate institutions is one where current participation rates continue to decline but at a diminishing rate of decline to 1975 then remain constant to 1989. The second additional collegiate simulation is a reversal of this declining participation rate trend namely--linearly increasing the 1972 participation rate back to the 1970 rate by 1979.

For the area vocational-technical institutes, the first additional simulation uses the 1972 participation rate but with no enrollment capacity limitations. The second additional area vocational-technical institute simulation adjusts the existing participation rates by a fixed percentage that approximately yields 30,100 headcount by 1976. This simulates current Department of Education enrollment expectations. Thus the additional simulated forecasts may be viewed as reasonable ranges that provide an estimate of future enrollment possibilities for most of Minnesota's post-secondary institutions.

AN OVERVIEW

From the three simulated conditional forecasts provided in this report important trends emerge and several observations are possible. They are offered not as a prescription of what should be but rather as possible contingencies that warrant attention.

It is clear, for example, that without a reversal of current participation rate trends among public collegiate institutions future enrollments at a majority of these institutions are likely to decline. Enrollment in area vocational-technical institutes will almost certainly continue to increase in the immediate future, and enrollment in the private collegiate sector appears to have stabilized.

There are, however, significant variation to these trends by region, by system, and by institution within system. Regionally, those institutions located in or around areas of metropolitan concentration are likely to experience more favorable enrollment trends than out-state institutions. This is particularly true for collegiate institutions. Area vocational-technical institutes also reflect this trend but to a more limited degree. The explanation of this trend is the predicted migration pattern and its consequent effect on high school graduate pools. It follows, therefore, that to the extent that out-state institutions begin to attract a greater proportion of their student body from other than the traditional high school graduate pool, the greater their potential for moderating the enrollment declines displayed in this report.

Other factors could occur that would tend to alter the enrollment forecasts. An increased student flow from one or two year programs in junior colleges and area vocational-technical institutes to senior collegiate institutions for more advanced training or further education could increase the enrollment potential for state colleges, the university and might also have an impact on private colleges. Similarly efforts by all of the systems to minimize drop-outs would

increase enrollments. Finally, there appears to be an increasing interest in graduate education in recent years. An expansion of this trend would probably result in a higher ratio of graduate to undergraduate students than has existed historically and, as a consequence, would yield higher enrollments than are indicated in forecasts of the continuation of the 1972 participation rates for those institutions with graduate programs.

In summary, six conclusions emerge from the analysis of Minnesota post-secondary enrollment:

1. Institutions located in or near metropolitan areas are likely to experience more favorable enrollment trends in the future than are out-state institutions.
2. On the basis of present enrollment patterns, several of the smaller out-state collegiate institutions may, within the next ten years, experience enrollments that are below a level of efficient operations.
3. The area vocational-technical institutes will experience continued enrollment expansion.
4. Because state college participation rates have exhibited wider fluctuations during the past decade, their enrollment appears to be more unstable. This instability is reflected in the broad ranges that are provided.
5. The private colleges, the university, and the junior colleges are likely to experience relatively stable system-wide enrollment although there will be considerable variation among the institutions within each of the systems.
6. Enrollment outlooks for most of the institutions are very uncertain and can be influenced by changes in economic conditions, changes in student preferences, modification of

delivery systems, alteration in migration patterns, and a variety of other factors. It is important, therefore, that mechanisms be developed within the state and within the institution to accommodate this enrollment uncertainty.

INSTITUTIONAL ENROLLMENT PROJECTIONS, 1973-1989

The Model

The model presented in this report was designed to simulate future total full-time and part-time headcount enrollments, by level of instruction (lower division, upper division and graduate); for each public post-secondary institution in Minnesota, 1973-1989. The model is outlined in Figure 1.

As the block diagram indicates, post-secondary students are conceptualized as flowing out of the state planning regions into, and through, each public post-secondary institution in Minnesota. The projected population of each planning region is derived from age-specific county population projections prepared by the State Board of Health, Minnesota Population, and aggregated to the regional level. The population projections, when incorporated into the model, contain estimated population shifts in different areas of the state, at different points in time, and also identify the geographical origin of students attending every public institution in Minnesota.

The college entrance rates for each institution, by planning region, were calculated for the base year 1972 from enrollment data contained in the Minnesota Higher Education Coordinating Commission report, The Counties of Residence of Full-Time Entering Freshman Enrolled in Minnesota Post-Secondary Institutions, Fall 1972. The student advancement rates, or student flow, for each institution were calculated for the period, 1968-1972, from institutional enrollment information contained in the MHECC report, Annual Survey of Minnesota College and University Enrollments. The enrollment simulations were run on the DYNAMO (Dynamic Models) compiler designed by Professor Jay W. Forester, Massachusetts Institute of Technology.

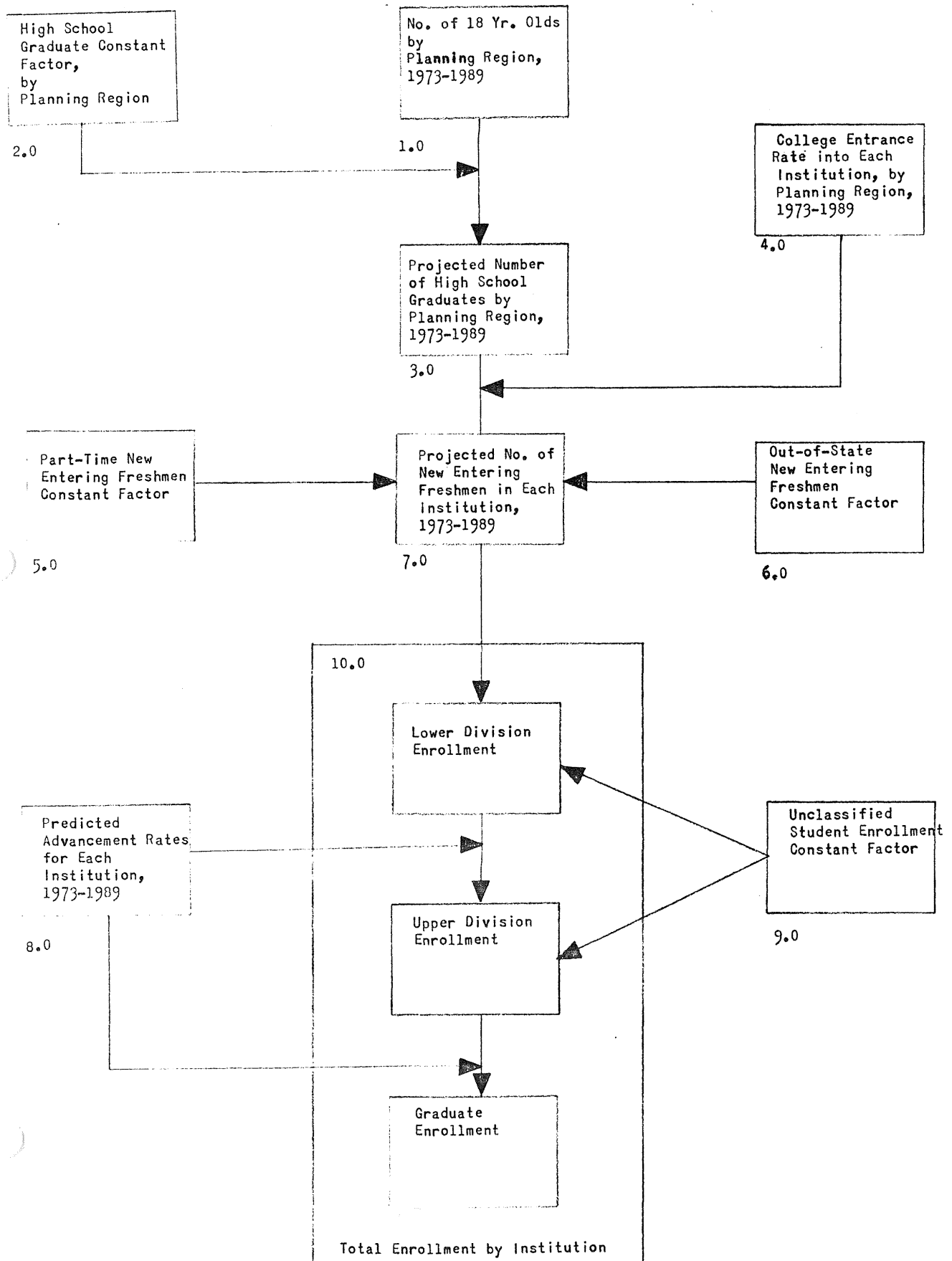
In order to facilitate future simulations, the model has been designed to permit easy manipulation of all parameters. College entrance rates, for any institution, or year, student advancement rates, and the constant factors for part-time students, out-of-state students, unclassified students and regional high school graduates can be modified between and within simulations. Any range of alternative parameters, assumptions or hypotheses can be quickly tested for their effects on future enrollments. The model can also be adapted to incorporate alternative freshman enrollment projections and advancement rates based on other methods.

At the present time, the model has three limitations. First, all instructional activities are defined by level (lower division, upper division and graduate), rather than by field of endeavor or program, whether that is defined at the level of a college, department or major. Second, because the institutional enrollment simulations are run successively, by system, the model does not identify the flow of students between institutions. Finally, the estimate of future freshman enrollment rates, by institution, are based on historical entrance patterns, projected Minnesota population trends and assumptions or "best guesses" about the range of possible future entrance rates rather than any behavioral evidence. It would be more desirable to predict future college enrollment rates on the basis of socioeconomic variables and geographical accessibility factors that affect a student's choice of college. Hopefully, research underway in these two areas can be incorporated into future enrollment projections.

The Methodology

The description of the method used to make these enrollment projections follows the numbered block diagram in Figure 1.

FIGURE 1: INSTITUTIONAL ENROLLMENTS PROJECTION MODEL



1.0 Number of 18 Year Olds by Planning Region, 1973-1989

The Bureau of Vital Statistics, Minnesota State Board of Health population report, Minnesota Population: Trends, Estimates, Projections, provides projections by Planning Region and age cohort from 1970-2000. Estimates of 18 year olds by Planning Region for the years 1970, 1975, 1980, 1985, and 1990 were made by using this data and dividing the 15-19 year old cohort by five. Linear interpolation between the five year estimates provided a proxy for the projected number of 18 year olds in each planning region for the years 1973-1989.

2.0 High School Graduates Constant Factor (HSGCF) by Planning Region

$$\text{HSGCF} = \frac{\text{Number of High School Graduates by Planning Region, 1971 and 1972}}{\text{Number of 18 Year Olds by Planning Region, 1971 and 1972}}$$

In order to project high school graduates by Planning Region, the model used the average ratio of high school graduates to 18 year olds for the years 1971 and 1972. The number of high school graduates by Planning Region was prepared by the State Department of Education.

3.0 Projected High School Graduates by Planning Region, 1973-1989

$$\text{HSG by Planning Region} = (\text{HSGCF}) * (\text{Number of High School Graduates by Planning Region})$$

The projected number of high school graduates by Planning Region was calculated in the model by multiplying the High School Graduate Constant Factor for each planning region by the projected number of high school graduates in the same region for the years 1973-1989. The results are shown in Figures 2 through 13, and Table 1, which includes statewide totals.

4.0 College Entrance Rate (CER) by Institution

$$\text{CER} = \frac{\text{New Entering Freshmen by Institution, 1972}}{\text{Number of High School Graduates by Planning Region, 1972}}$$

The college entrance rate for an institution is defined as the percentage of high school graduates from a planning region enrolling for the first time in post-secondary education. A separate rate is calculated from every planning region for an institution. The summation of the 11 Planning Region entrance rates is the number of new entering, resident full-time freshmen for an institution.

5.0 Part-Time New Entering Freshmen Constant Factor

$$\text{Part-Time Freshmen Constant Factor} = \frac{\text{Part-Time New Entering Freshmen by Institution, 1972}}{\text{Resident New Entering Full-Time Freshmen by Institution, 1972}}$$

The number of new entering part-time freshmen in an institution is multiplied by the number of new entering full-time freshmen as a constant factor in the model. A separate part-time constant factor was calculated for each institution for 1972.

6.0 Out-of State New Entering Freshmen Constant Factor

$$\text{Out-of State Freshmen Constant Factor} = \frac{\text{Out-of State New Entering Freshmen by Institution, 1972}}{\text{Resident New Entering Full-Time Entering Freshmen by Institution, 1972}}$$

The number of out-of-state new entering freshmen for an institution is also multiplied by the number of new entering full-time freshmen as a constant factor in the model. A separate out-of-state constant factor was calculated for each institution.

7.0 Total Number of New Entering Freshmen by Institution

$$\text{New Entering Freshmen by Institution} = \left(\text{Regional Entrance Rates} \right) * \left(\text{Part-Time Constant Factor} + \text{Out-of-State Constant Factor} \right) * \left(\text{Projected High School Graduates} \right)$$

A total number of new entering full-time and part-time, resident and non-resident freshmen is calculated in the model for each institution, by year. The parameters in the model are based on historical data for each institution. In those cases where a new institution had no history to estimate from, the parameters of a similar institution were used.

8.0 Student Advancement Rates by Institution and Level

$$\begin{aligned} 8.1 \quad \text{Lower Division Advancement Rate to Upper Division} &= \frac{(\text{New Entering Freshmen}_{t+1} + \text{Lower Division Enrollment}_t) - \text{Lower Division Enrollment}_{t+1}}{\text{Lower Division Enrollment}_t} \end{aligned}$$

$$8.2 \quad \text{New Entering Students Upper Division}_{t+1} = (\text{Lower Division Advancement Rate}_t * \text{Lower Division Enrollment}_t)$$

$$\begin{aligned} 8.3 \quad \text{Upper Division Advancement} &= \frac{(\text{New Entering Students Upper Division}_{t+1} + \text{Upper Division Enrollment}_t) - \text{Upper Division Enrollment}_{t+1}}{\text{Upper Division Enrollment}_t} \end{aligned}$$

8.0 Student Advancement Rates by Institution and Level Cont'd.....

$$\begin{aligned} \text{Graduate Level Drop-Out and Graduation Rate} &= \frac{(\text{Upper Division Advancement Rate} * \text{Upper Division Enrollment})_t - \text{Graduate Level Enrollment}_{t+1}}{\text{Graduate Level Enrollment}_t} \end{aligned}$$

The historical student advancement rate for each institution was calculated from enrollment data for the years 1956-1972. Future advancement rates for each institution were predicted by the DYNAMO Random Number Generator. DYNAMO produces random numbers normally distributed (normal deviates) from the mean and standard deviations of the population of calculated historical student advancement rates for each institution. The randomized historic advancement rates are tabled for the years 1973 to 1989 and are used to move the total number of entering freshmen from level to level.

9.0 Unclassified Student Enrollment Constant Factor

The unclassified component of students in each institution was held at the constant ratio of unclassified students to total undergraduate enrollment as determined for the year 1972. Thus:

$$\begin{aligned} \text{Number of} \\ \text{Unclassified Students}_t &= (\text{Undergraduate Enrollment})_t * \frac{(\text{Unclassified Student})}{(\text{Undergraduate Enrollment, 1972})} \end{aligned}$$

10. Total Enrollment by Institution

Dynamo has the built-in capability to solve sets of simultaneous linear difference equations. The new entering freshmen pools by region, advancement rates, and level structure shown in Figure 1 make up such a set of equations for each institution. Each set of equations is initialized to the actual headcount in each level for 1972. As Dynamo flows students through the levels it prints and plots the requested results over time. For graduate institutions it plots total headcount, upper division headcount, lower division headcount and unclassified headcount. With four year institutions, the graduate level is omitted. In two year institutions, only the lower division level is considered. The requested printouts include new entering freshmen from each region, total entering freshmen, and the numbers of students advancing from level to level.

The Simulations

Enrollments were projected based on alternative conditions regarding participation rates of entering freshmen for each of the public post-secondary educational systems. The historic variation in the system participation rates is shown in Figure 14. The greater the variation, the greater the range that can be observed in the projected system and institutional enrollments.

The simulation conditions are graphically depicted in Figures 15-19. The assumptions governing the University (Figure 15), the State Colleges (Figure 16), and the Junior Colleges (Figure 17) are as follows:

Simulation 1: In these tests, the conditions that were obtained in 1972 would be continued in 1973 and beyond. Thus, each institution was projected at its 1972 participation rate.

Simulation 2: The simulation estimates the effects of continuing recent declining trends until 1975. Thus, enrollment declines experienced by the systems during the last two years were extended at a decreasing rate to 1975 and then held constant for each institution through 1989.

Simulation 3: This simulation shows the estimated enrollment effects of institutional current trends reversing gradually with the individual institutions attaining, by 1979, the participation rate that obtained for the system in 1970.

The conditions for the area vocational-technical institutes (Figure 17) simulations were as follows:

Simulation 1: Current participation rates were held constant and enrollment limitations by institution were provided. These limitations

were given by the Department of Education.

Simulation 2: Current participation rates were held constant and no enrollment limitations were used.

Simulation 3: This simulation tests the condition where the area vocational-technical institute system wide participation rate increases linearly from its current 23 percent to a value (26 percent) that yields an estimated headcount of 30,100 by 1976.

New institutions that do not have established participation conditions were simulated using adjusted participation conditions that approximately yield the enrollment projections provided by the system offices. These institutions are Waseca and Crookston campuses of the University of Minnesota, and Dakota County, East Grand Forks, Hutchinson, Suburban Hennepin and Red Wing of the AVTI system. The following table shows the simulation goals for Waseca and Crookston:

	<u>SIMULATION 1</u>		<u>SIMULATION 2</u>		<u>SIMULATION 3</u>	
	<u>1975</u>	<u>1980</u>	<u>1975</u>	<u>1980</u>	<u>1975</u>	<u>1980</u>
Waseca	500	800	500	500	500	1000
Crookston	800	800	800	800	800	1000

The colleges and universities of the Private College System were not simulated on an individual basis but were simulated as a total system. The conditions provided for this system are:

Simulation 1: Extending the 1972 participation rate out to 1989.

Simulation 2: Decreasing the participation rate by 3.5 percent.

Simulation 3: Increasing the participating rate by 3.5 percent.

The graphical results of all systems simulations are displayed in Figures 19 through 23. The tabular summary of each institution's forecast, grouped by system,

for each simulation are provided in Tables 2 - 14. Appendix A contains a graphical presentation of each institution forecast for each simulation.

Appendix B represents system comments on the preliminary draft of this report. Several of their comments were incorporated in the final report. These changes are:

1. The use of 0.65 percent as the estimated number of persons in one year programs in the area vocational-technical institutes.
2. As noted earlier, the use of system enrollment estimates for new institutions that have not established sufficient history of participation conditions.

FIGURE 2
PROJECTED HIGH SCHOOL GRADUATES^{adj}
Region 1 1973-1989

COUNTIES:

Kittson
Marshall
Norman
Pennington
Polk
Red Lake
Roseau

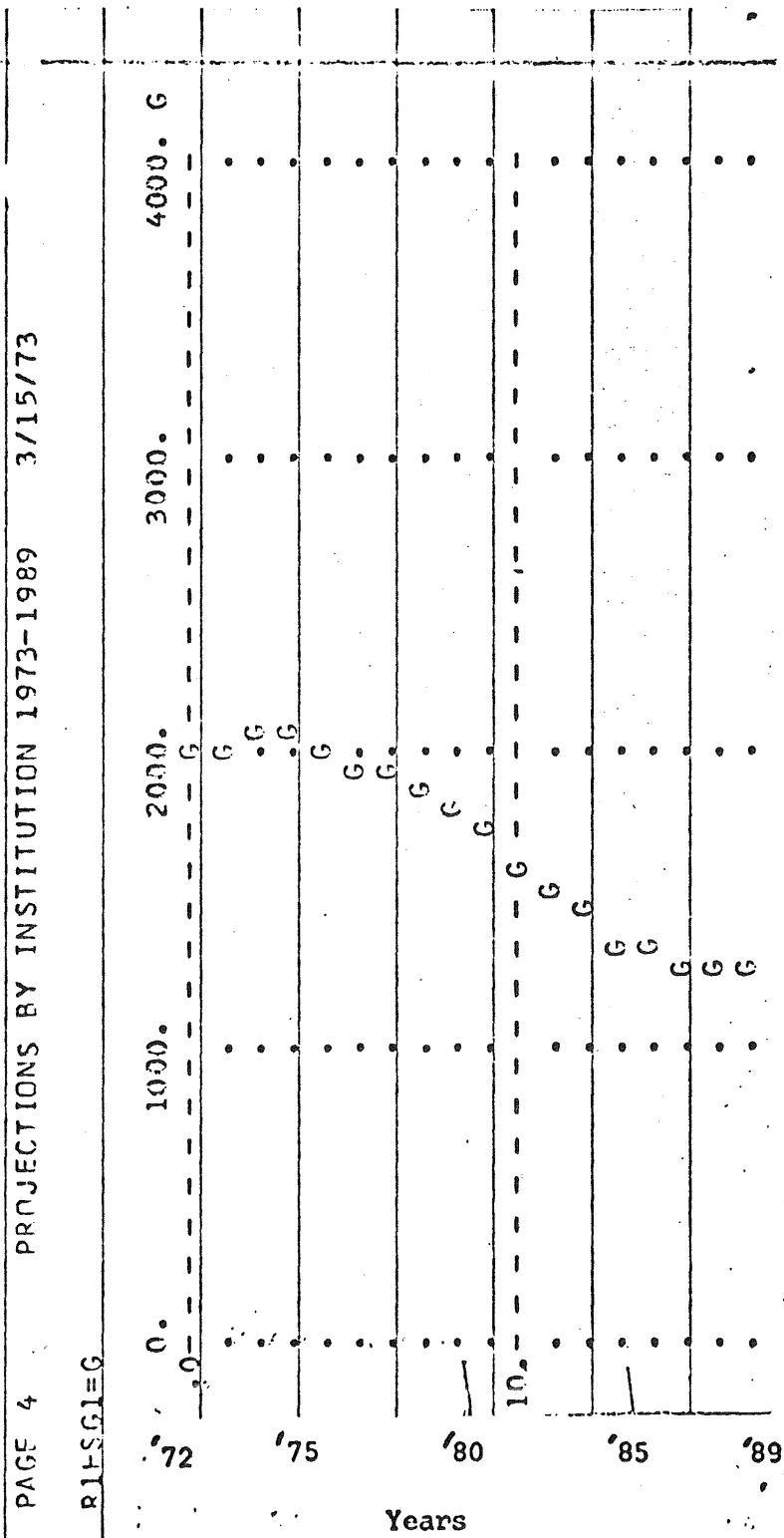


FIGURE 3

PROJECTED HIGH SCHOOL GRADUATES

Region 2 1973-1989

COUNTIES:

Beltrami
Clearwater
Hubbard
Lake of the Woods
Mahomen

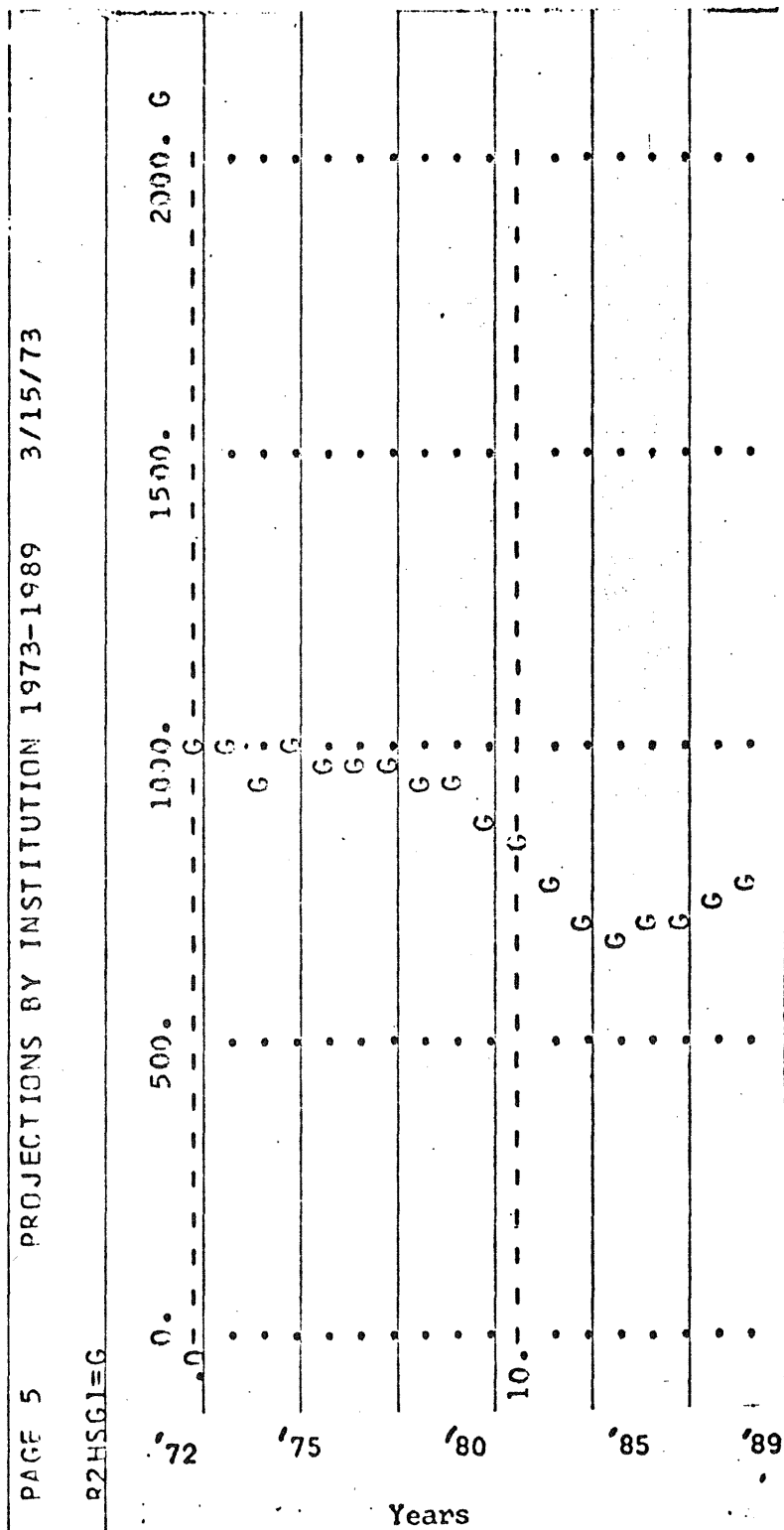


FIGURE 4

Projected High School Graduates

Region 3 1973-1989

COUNTIES:

Aitkin
Carlton
Cook
Itasca
Koochiching
Lake
St. Louis

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52HSG1=6

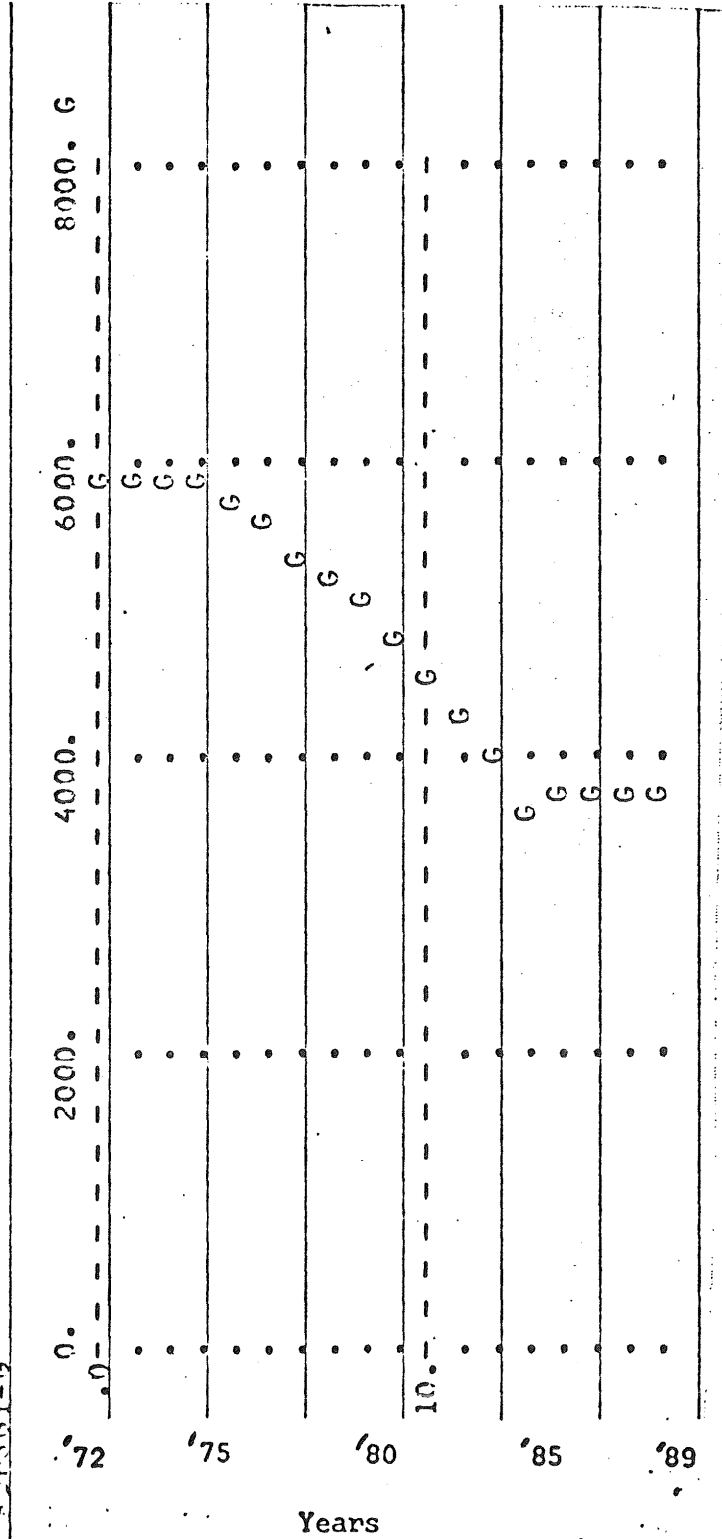


FIGURE 5
Projected High School Graduates

Region 4 1973-1989

COUNTIES:

Becker
Clay
Douglas
Grant
Ottertail
Pope
Stevens
Traverse
Wilkin

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R4FSG1=G

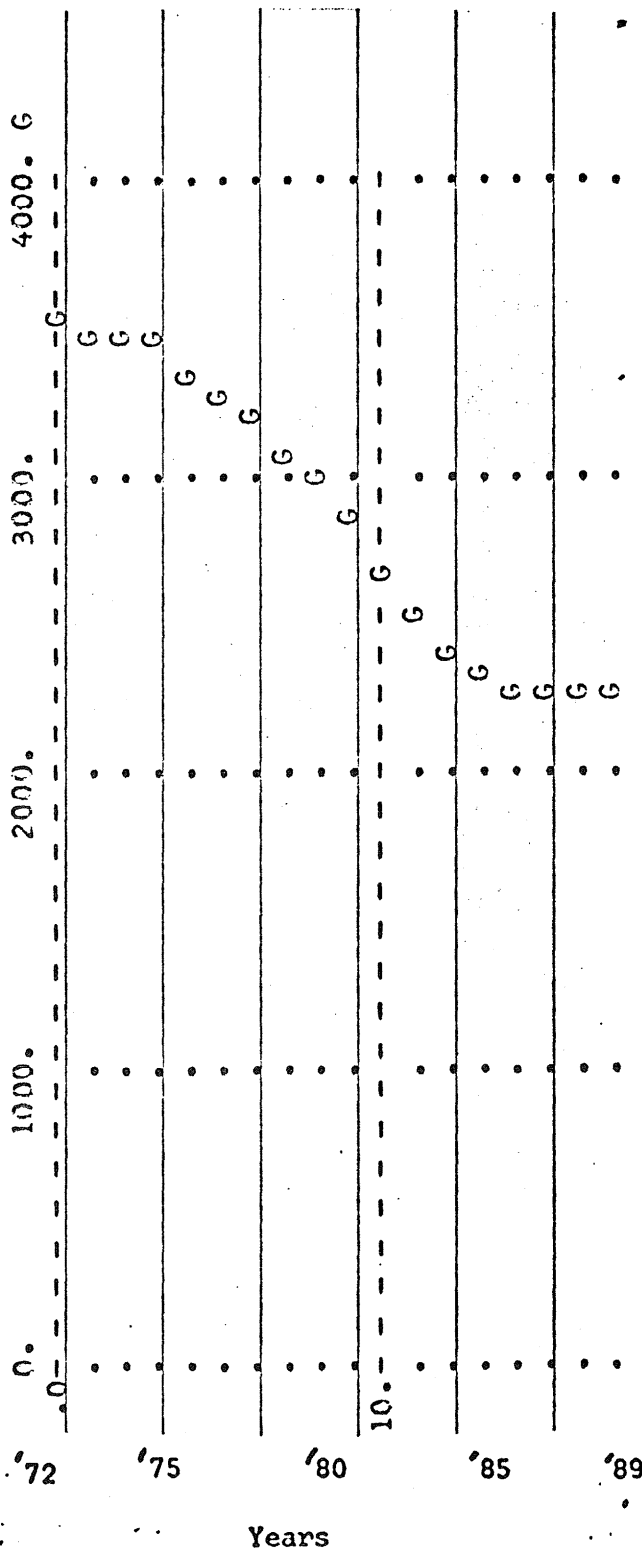


FIGURE 6
Projected High School Graduates

Region 5 1973-1989

COUNTIES:

Cass
Crow Wing
Morrison
Todd
Wadena

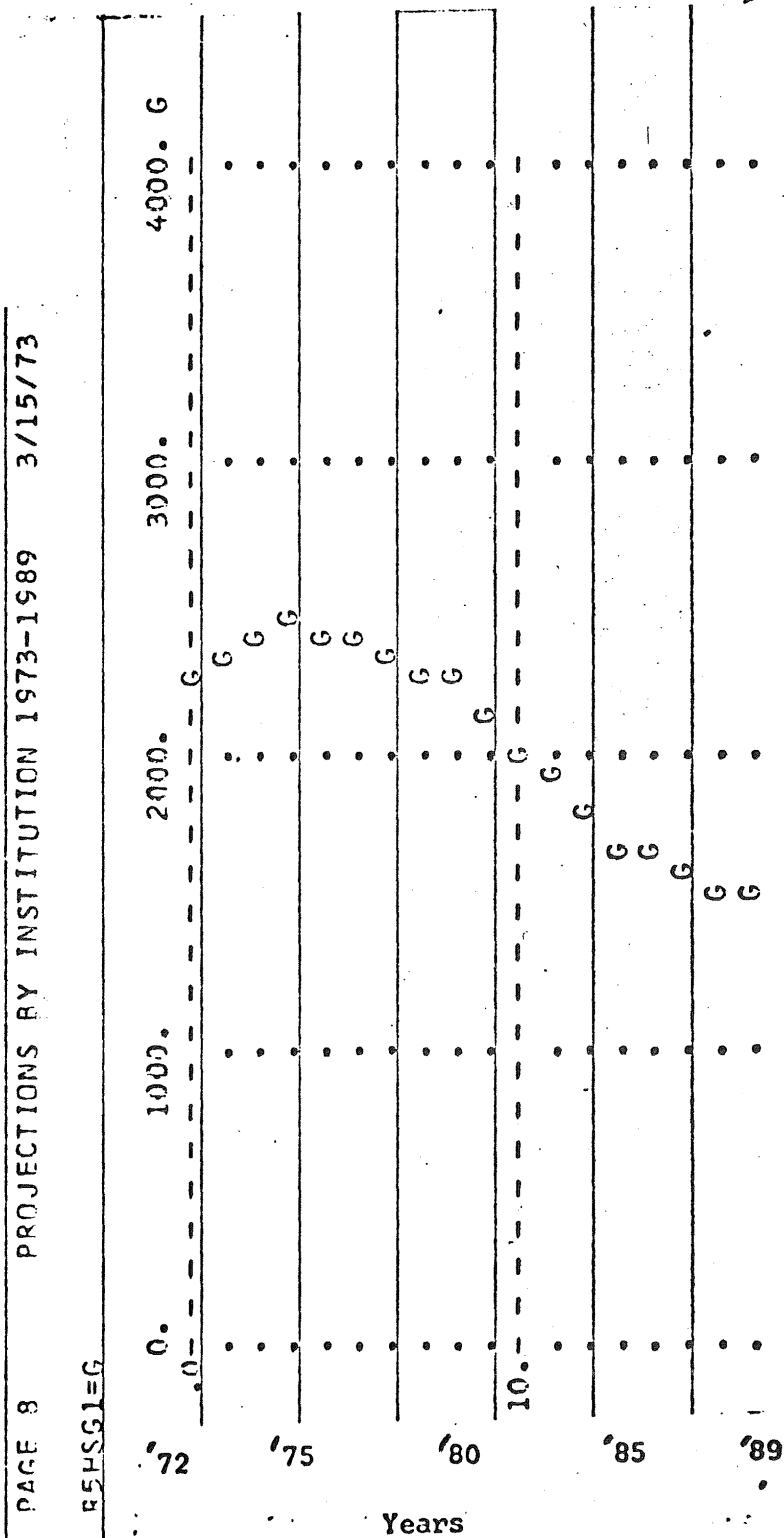


FIGURE 7
Projected High School Graduates

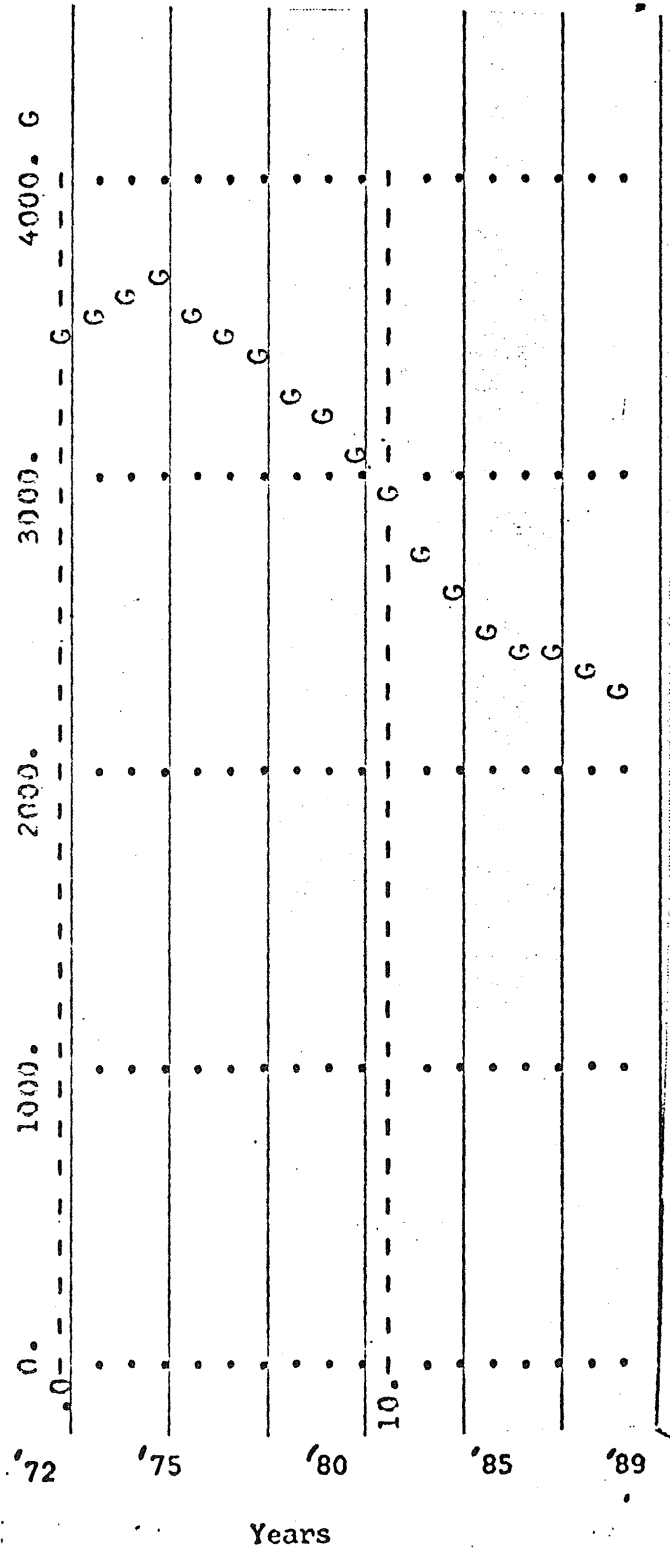
Region 6 1973-1989

COUNTIES:

Big Stone
Chippewa
Kandiyohi
Lac qui Parle
McLeod
Meeker
Renville
Swift
Yellow Medicine

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RGFSGI=G



Years

FIGURE 8
Projected High School Graduates

Region 7 1973-1989

COUNTIES:

Benton
Chisago
Isanti
Kanabec
Mille Lacs
Pine
Sherburne
Stearns
Wright

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P7HSG1=C

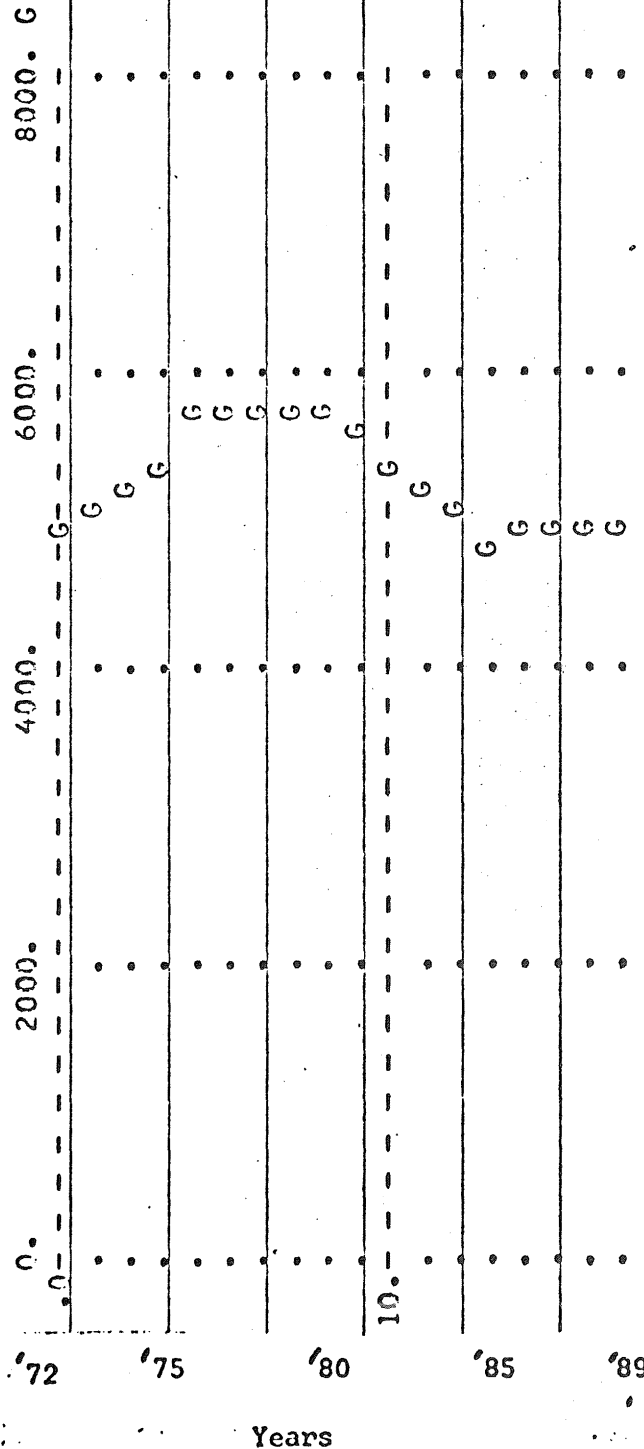


FIGURE 9

Projected High School Graduates

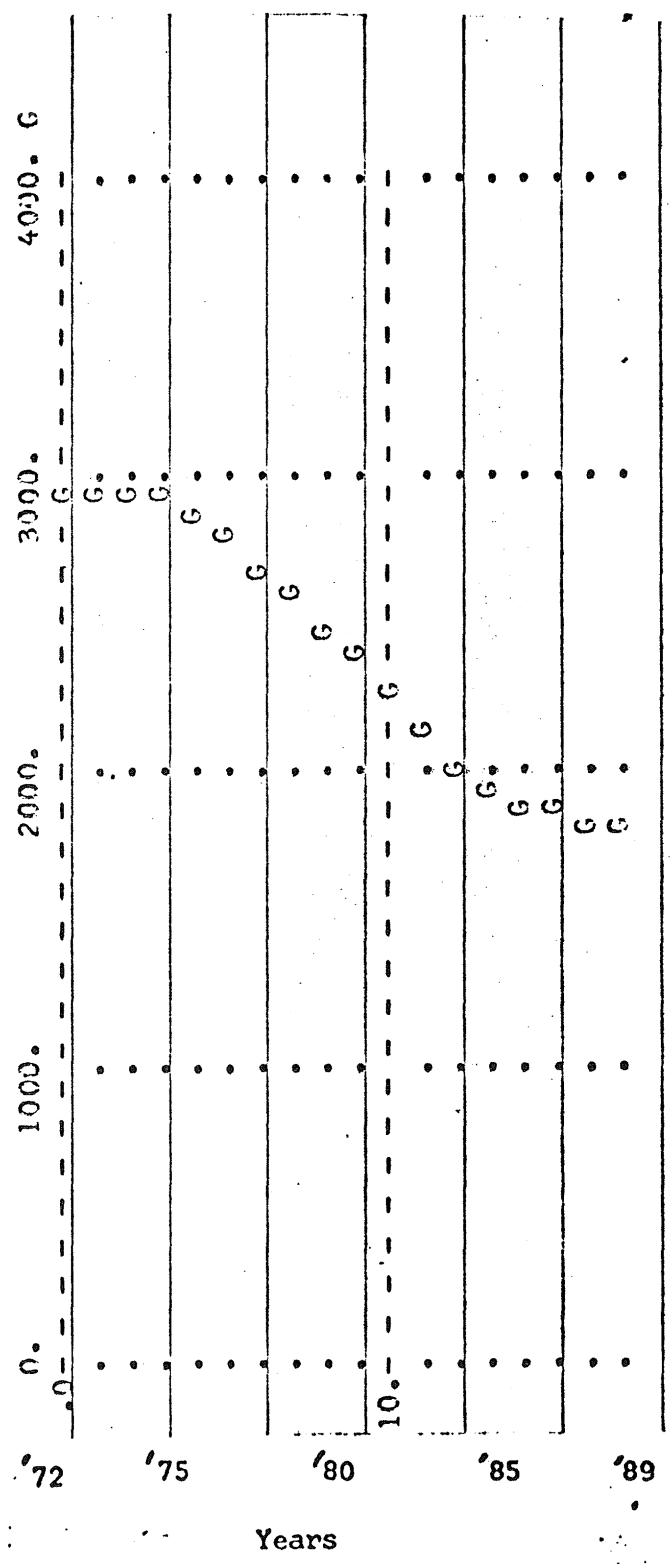
Region 8 1973-1989

COUNTIES:

- Cottonwood
- Jackson
- Lincoln
- Lyon
- Murray
- Nobles
- Pipestone
- Redwood
- Rock

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98HSG1=G



Years

FIGURE 10

Projected High School Graduates

Region 9 1973-1989

COUNTIES:

Blue Earth
Brown
Faribault
Le Sueur
Martin
Nicollet
Sibley
Waseca
Watsonwan

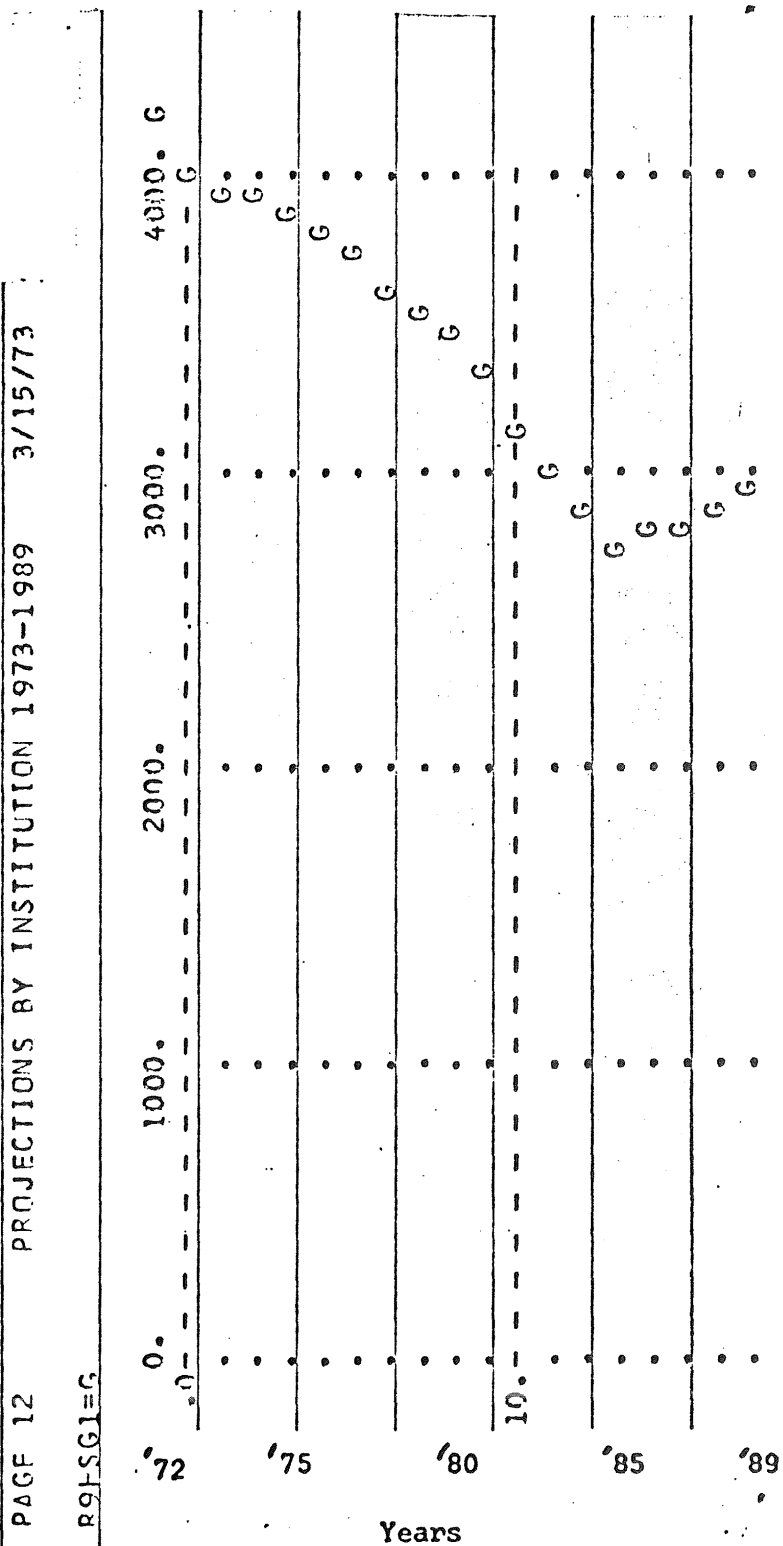


FIGURE 11

Projected High School Graduates

Region 10 1973-1989

COUNTIES:

Dodge
Fillmore
Freeborne
Goodhue
Houston
Mower
Olmsted
Rice
Steele
Wabasha
Winona

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FOFSGLEG

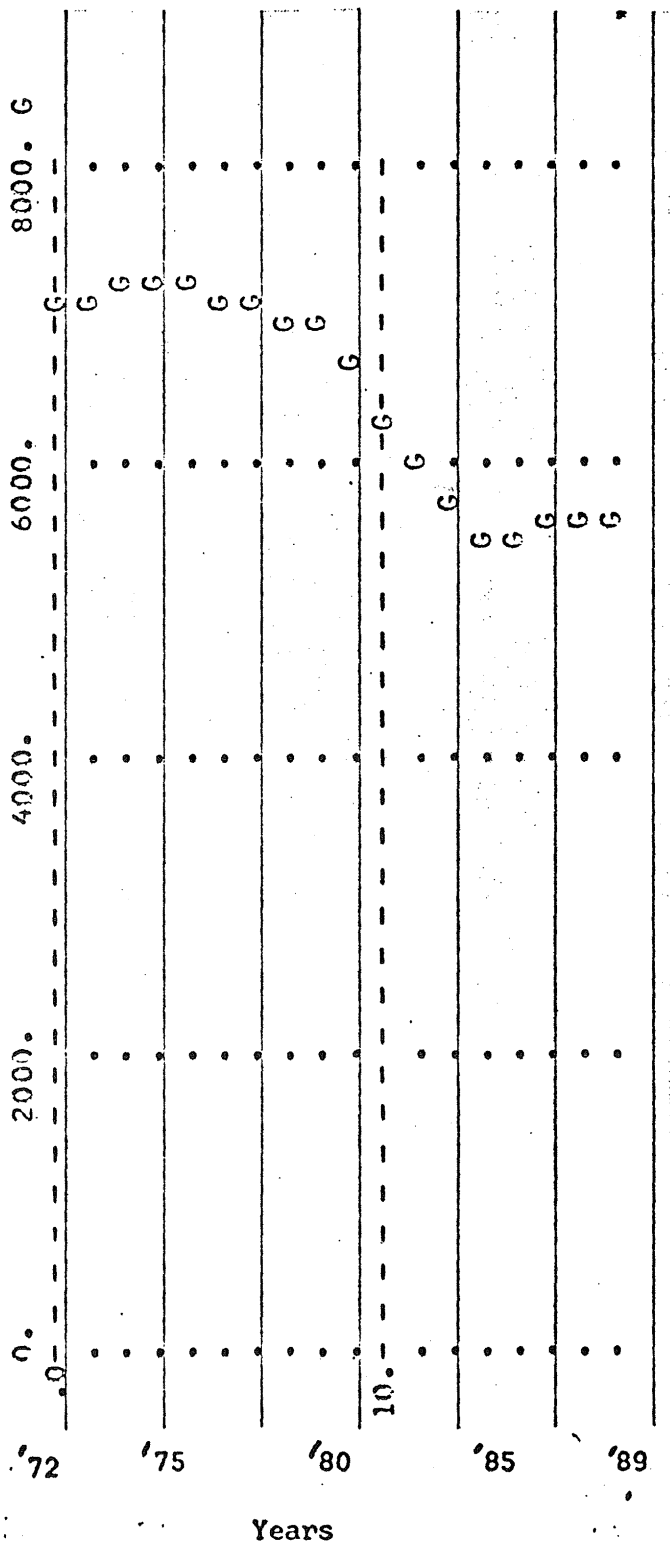


FIGURE 12

Projected High School Graduates

Region II 1973-1989

COUNTIES:

Anoka
Carver
Dakota
Hennepin
Ramsey
Washington
Scott

PAGE 4 PROJECTIONS BY INSTITUTION 1973-1989 3/16/73

R11HG1=G

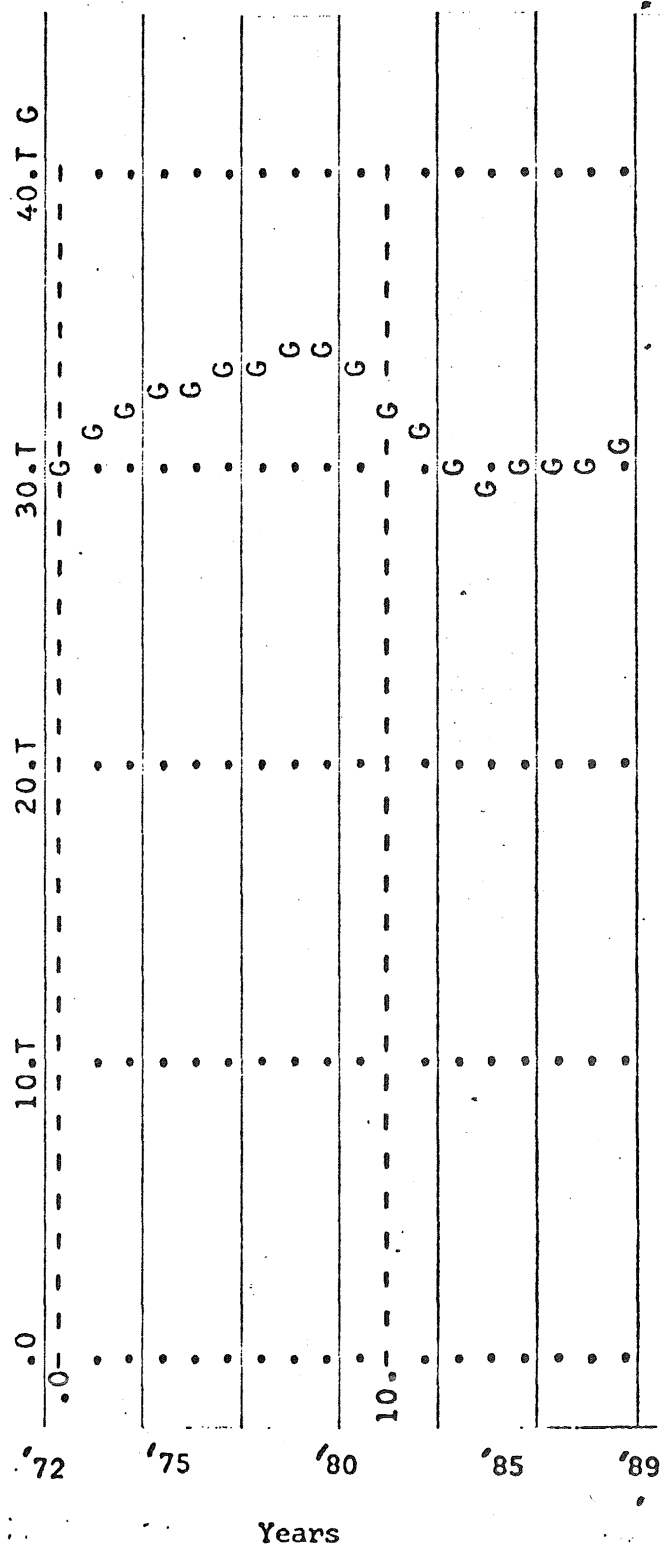


FIGURE 13
Projected High School Graduates
State of Minnesota 1973-1989

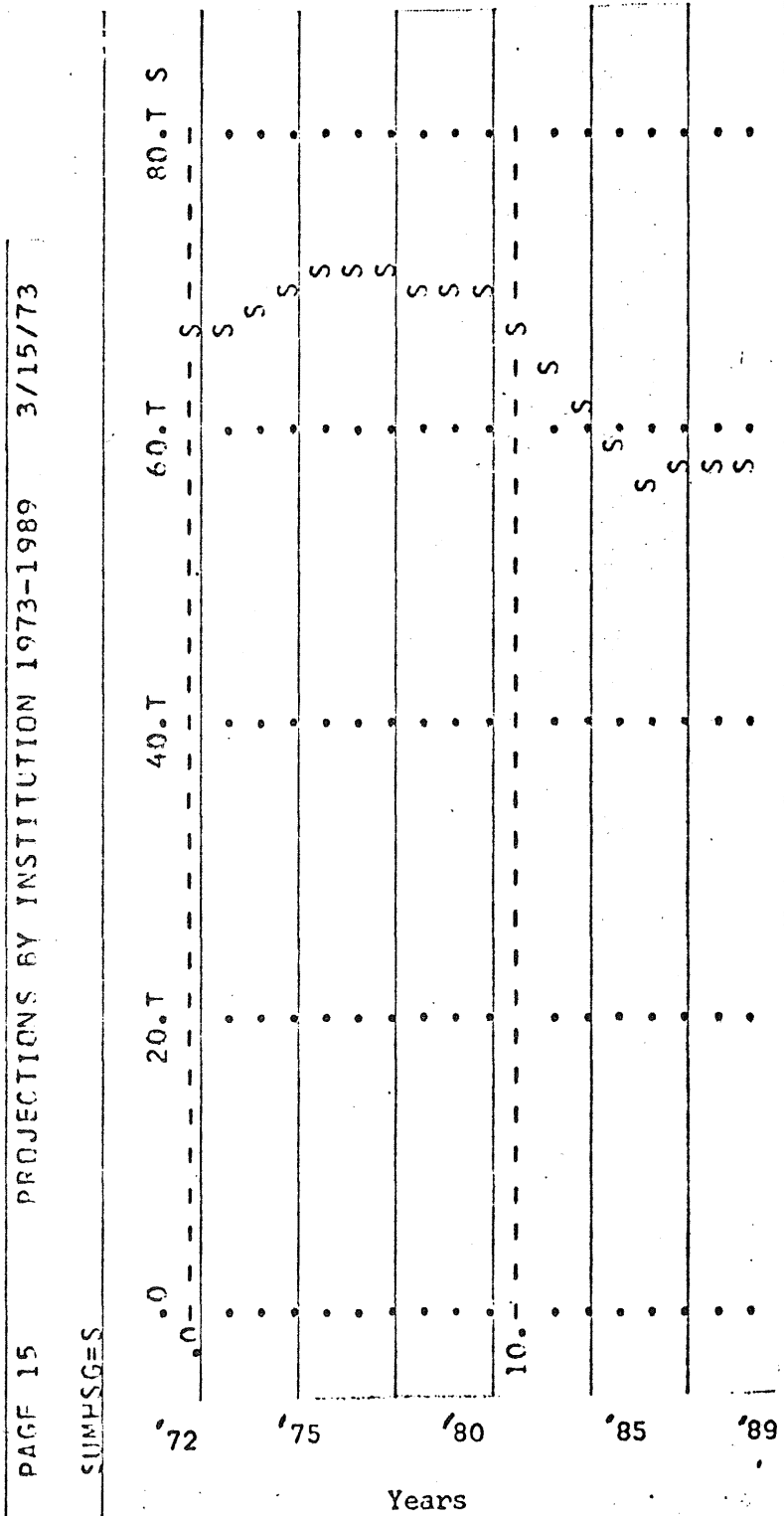


TABLE I

PROJECTED HIGH SCHOOL GRADUATES BY PLANNING REGION
WITH STATEWIDE TOTALS 1973-1989

<u>YEARS</u>	<u>REGION 1 HIGH SCHOOL GRADUATES</u>	<u>REGION 2 HIGH SCHOOL GRADUATES</u>	<u>REGION 3 HIGH SCHOOL GRADUATES</u>	<u>REGION 4 HIGH SCHOOL GRADUATES</u>	<u>REGION 5 HIGH SCHOOL GRADUATES</u>	<u>REGION 6 HIGH SCHOOL GRADUATES</u>
1972	1,995	1,016	5,806	3,509	2,278	3,434
1973	2,015	1,006	5,846	3,486	2,336	3,502
1974	2,037	918	5,883	3,453	2,395	3,571
1975	2,058	996	5,922	3,441	2,453	3,640
1976	2,016	983	5,741	3,354	2,415	3,553
1977	1,960	971	5,559	3,266	2,374	3,465
1978	1,912	966	5,378	3,176	2,338	3,378
1979	1,863	945	5,185	3,088	2,299	3,290
1980	1,815	932	5,015	2,999	2,261	3,202
1981	1,719	880	4,744	2,846	2,144	3,056
1982	1,624	823	4,474	2,694	2,026	2,909
1983	1,529	769	4,202	2,541	1,909	2,763
1984	1,435	715	3,934	2,388	1,792	2,616
1985	1,340	661	3,663	2,336	1,676	2,469
1986	1,312	686	3,672	2,244	1,636	2,419
1987	1,284	711	3,681	2,251	1,598	2,368
1988	1,257	734	3,689	2,259	1,559	2,316
1989	1,236	762	3,697	2,266	1,519	2,264

(Continued on next page)

-continued-

TABLE I
PROJECTED HIGH SCHOOL GRADUATES BY PLANNING REGION
WITH STATEWIDE TOTALS 1973-1989

<u>YEARS</u>	<u>REGION 7 HIGH SCHOOL GRADUATES</u>	<u>REGION 8 HIGH SCHOOL GRADUATES</u>	<u>REGION 9 HIGH SCHOOL GRADUATES</u>	<u>REGION 10 HIGH SCHOOL GRADUATES</u>	<u>REGION 11 HIGH SCHOOL GRADUATES</u>	<u>TOTAL</u>
1972	4,971	2,907	3,994	7,036	30,249	67,195
1973	5,102	2,925	3,957	7,106	31,089	68,370
1974	5,233	2,944	3,918	7,174	31,925	69,451
1975	5,364	2,962	3,882	7,243	32,768	70,729
1976	5,717	2,868	3,797	7,175	33,000	70,619
1977	5,715	2,774	3,713	7,106	33,233	70,136
1978	5,714	2,679	3,630	7,039	33,463	69,673
1979	5,713	2,585	3,545	6,971	33,695	69,179
1980	5,711	2,461	3,461	6,903	33,928	68,688
1981	5,542	2,394	3,313	6,618	33,013	66,269
1982	5,372	2,258	3,165	6,333	32,051	63,729
1983	5,201	2,142	3,017	6,049	31,185	61,307
1984	5,031	2,026	2,869	5,764	30,272	58,842
1985	4,861	1,910	2,721	5,479	29,358	56,474
1986	4,884	1,880	2,775	5,519	29,680	56,707
1987	4,906	1,850	2,830	5,559	29,993	57,031
1988	4,930	1,820	2,884	5,599	30,322	57,369
1989	4,952	1,790	2,939	5,638	30,649	57,712

FIGURE 14

PERCENT

PERCENT

LEGEND

AVTIS

PRIVATE COLLEGES

UNIVERSITY OF MINNESOTA

STATE COLLEGE SYSTEM

JUNIOR COLLEGE SYSTEM

32

30

28

26

24

22

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16

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12

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0

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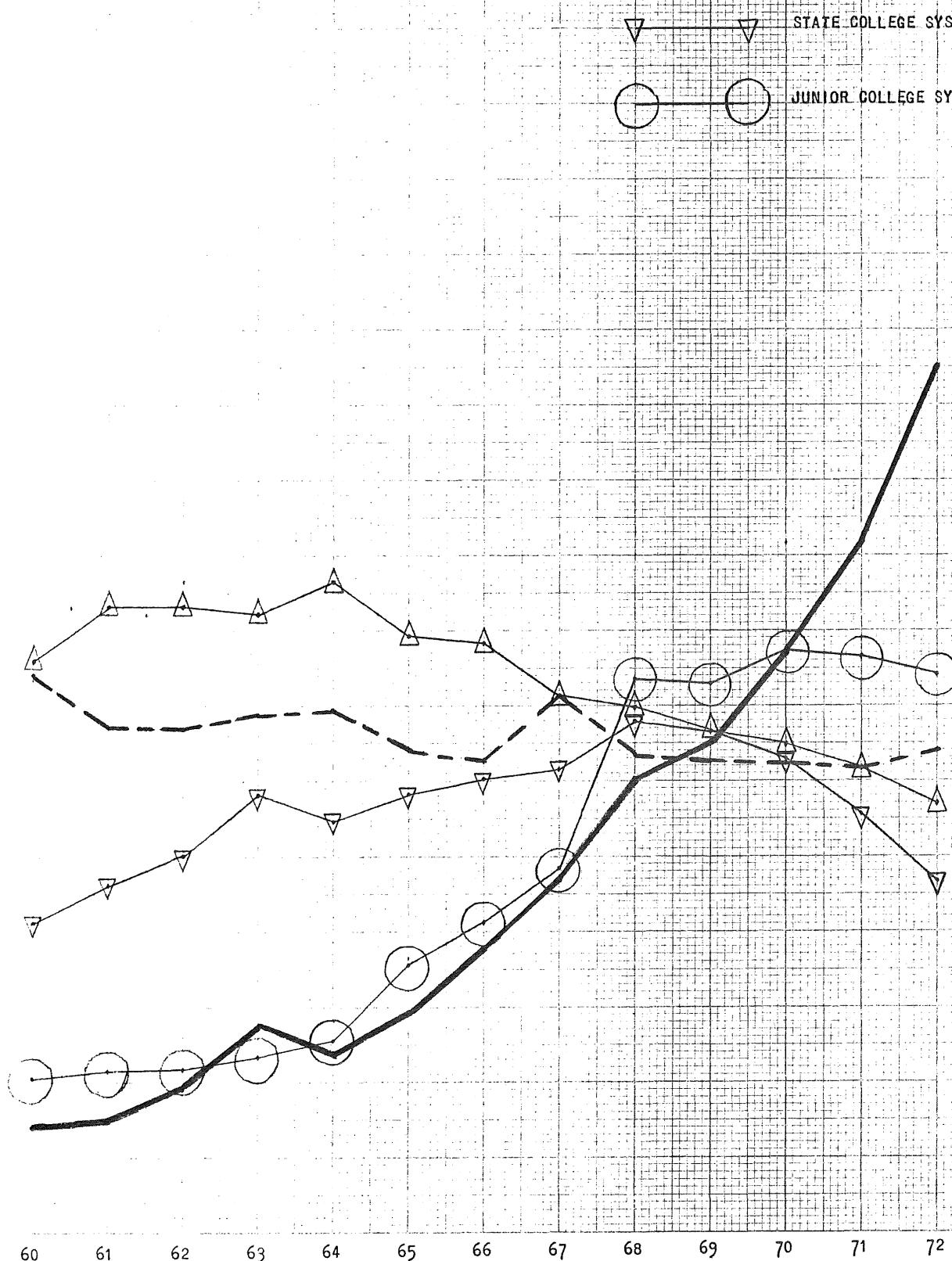
69

70

71

72

YEAR



LEGEND:

SIMULATION 1: EXTENDING THE 1972 ENTRANCE RATE TO 1989

SIMULATION 2: DECLINING ENTRANCE RATE UNTIL 1975, THEN
HELD CONSTANT

SIMULATION 3: INCREASING TO THE 1970 ENTRANCE RATE BY 1979

FIGURE 15

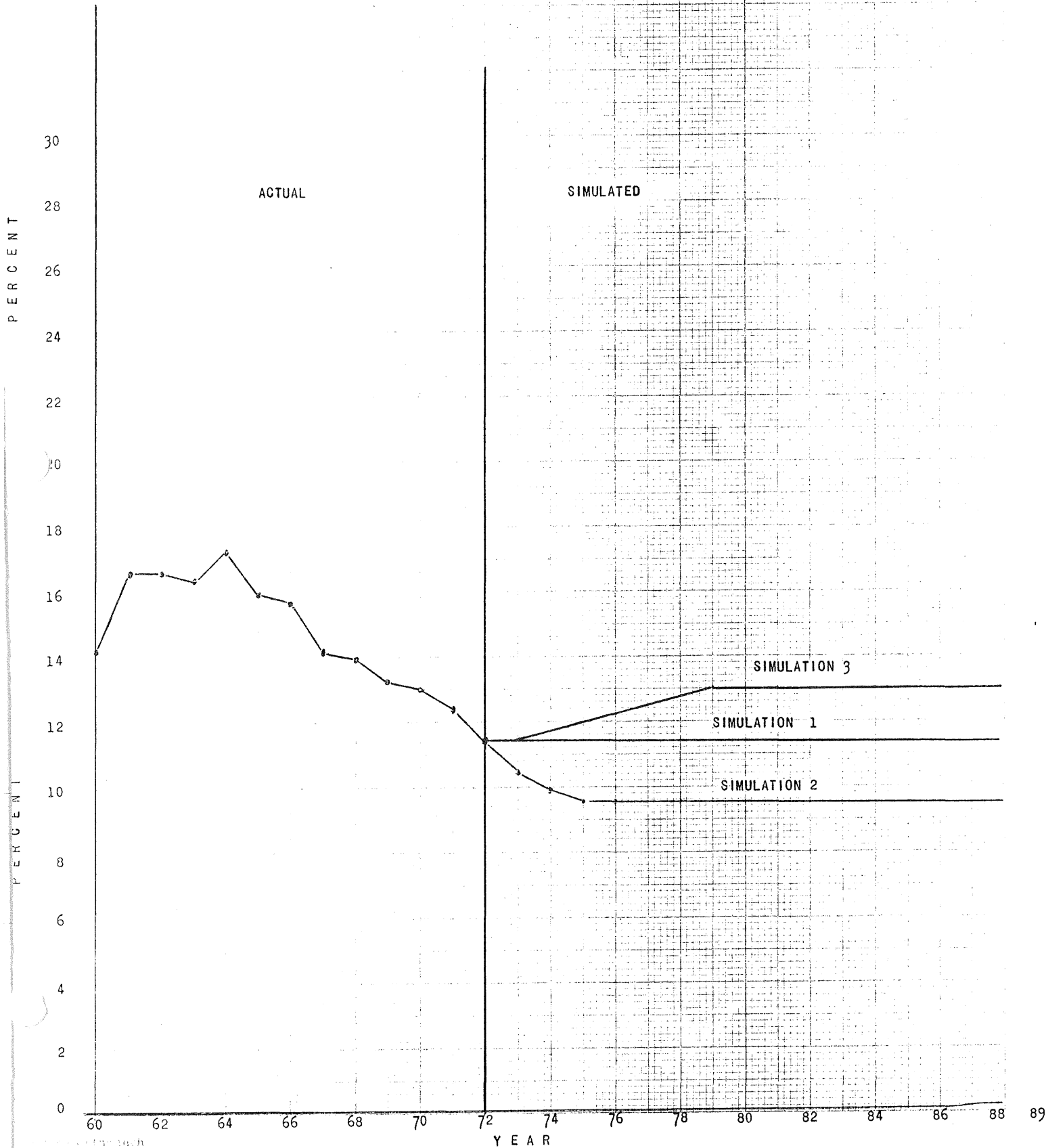


FIGURE 16

LEGEND:

- SIMULATION 1: EXTENDING THE 1972 ENTRANCE RATE TO 1989
SIMULATION 2: DECLINING ENTRANCE RATE UNTIL 1975, THEN
HELD CONSTANT
SIMULATION 3: INCREASING TO THE 1970 ENTRANCE RATE BY 1989

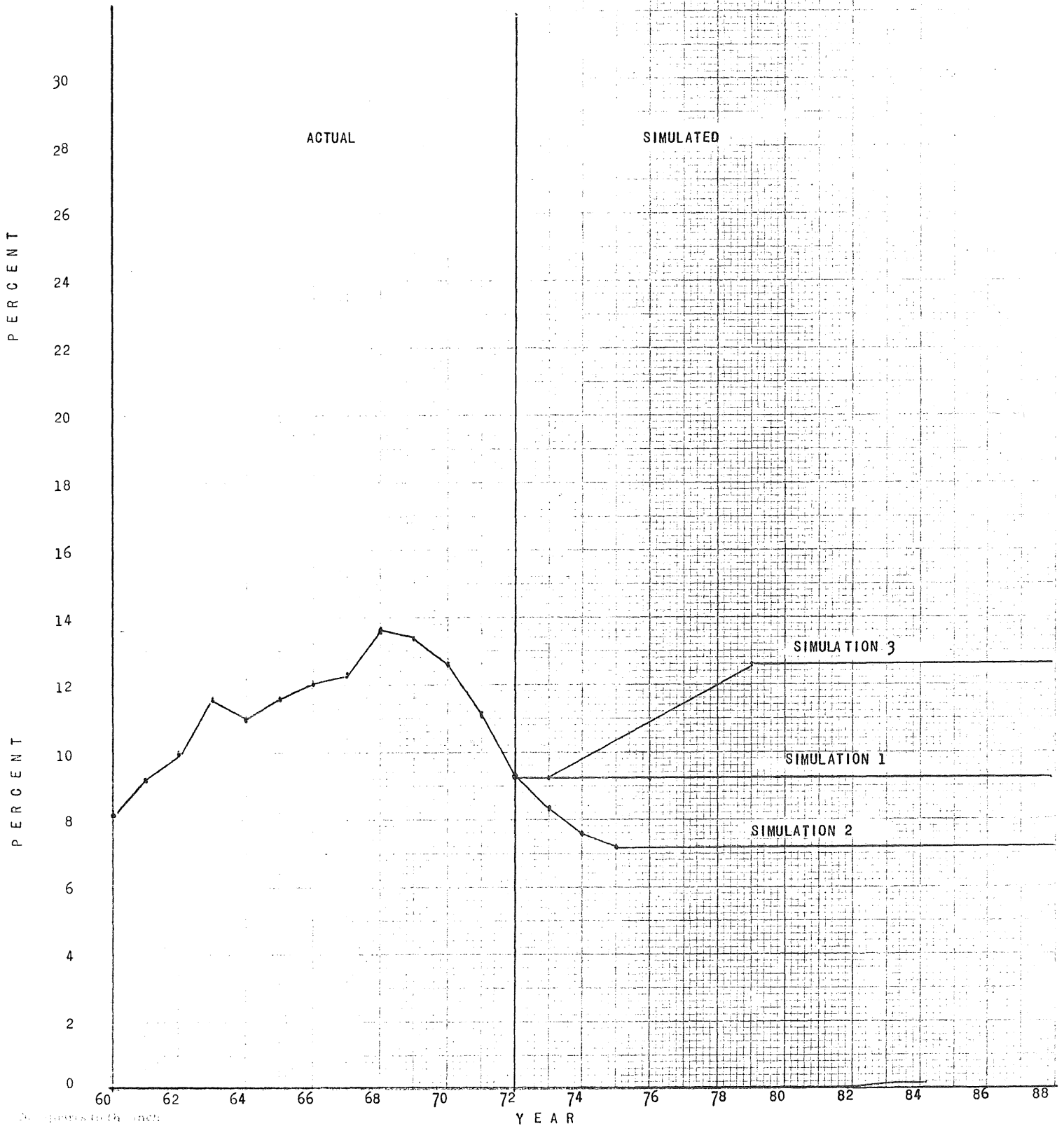


FIGURE 17

LEGEND:

- SIMULATION 1: EXTENDING THE 1972 ENTRANCE RATE TO 1989
SIMULATION 2: DECLINING ENTRANCE RATE UNTIL 1975, THEN HELD CONSTANT
SIMULATION 3: INCREASING TO 1970 ENTRANCE RATE BY 1979

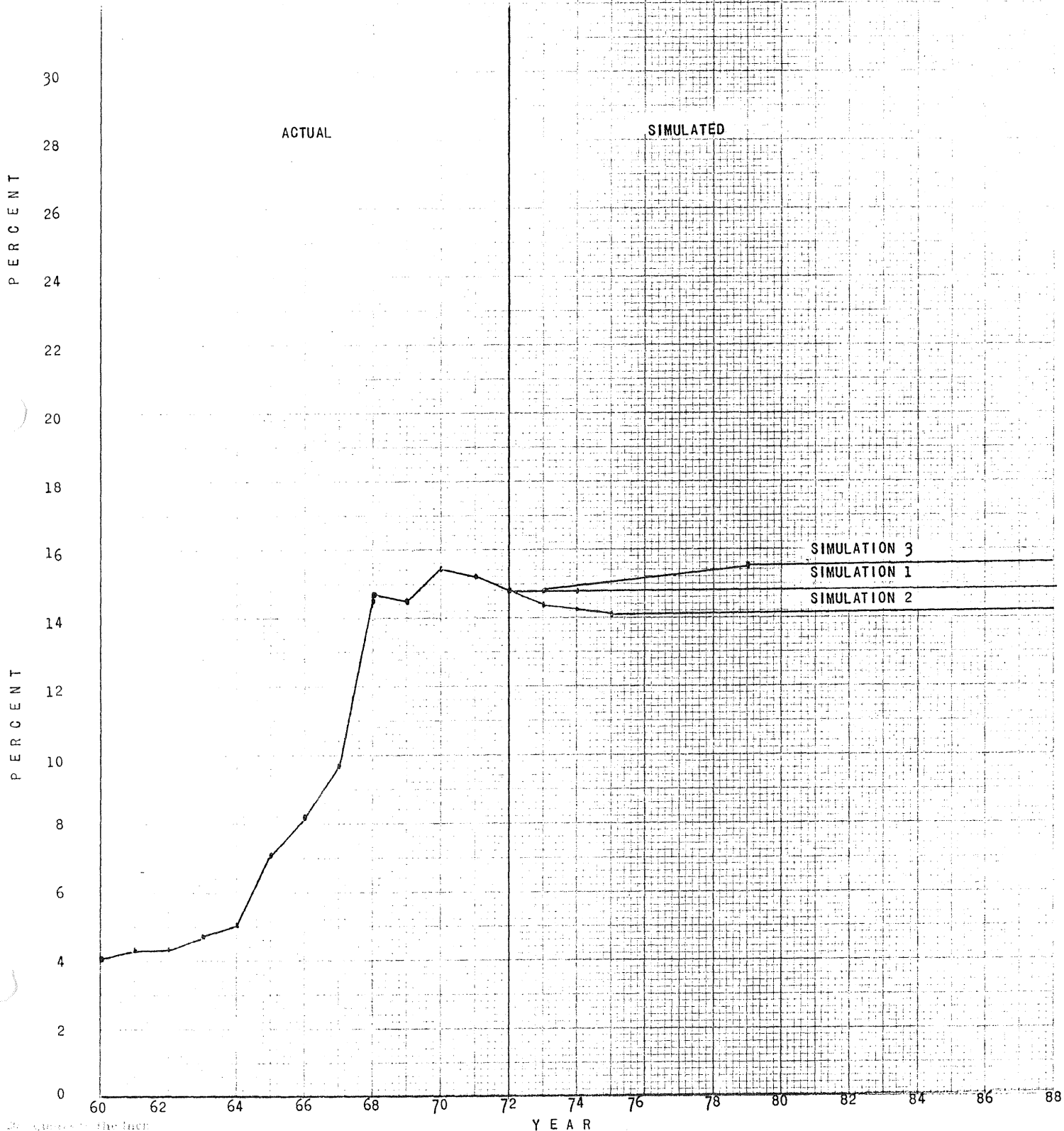


FIGURE 18

LEGEND:

SIMULATION 1: EXTENDING THE 1972 ENTRANCE RATE TO 1989
AND LIMITING ENROLLMENTS TO DEPARTMENT OF
EDUCATION ESTIMATED LIMITS

SIMULATION 2: EXTENDING THE 1972 ENTRANCE RATE TO 1989
WITH NO ENROLLMENT LIMITATIONS

SIMULATION 3: INCREASING ENTRANCE RATE TO YIELD AN
ESTIMATED HEADCOUNT OF 30,100 BY 1976

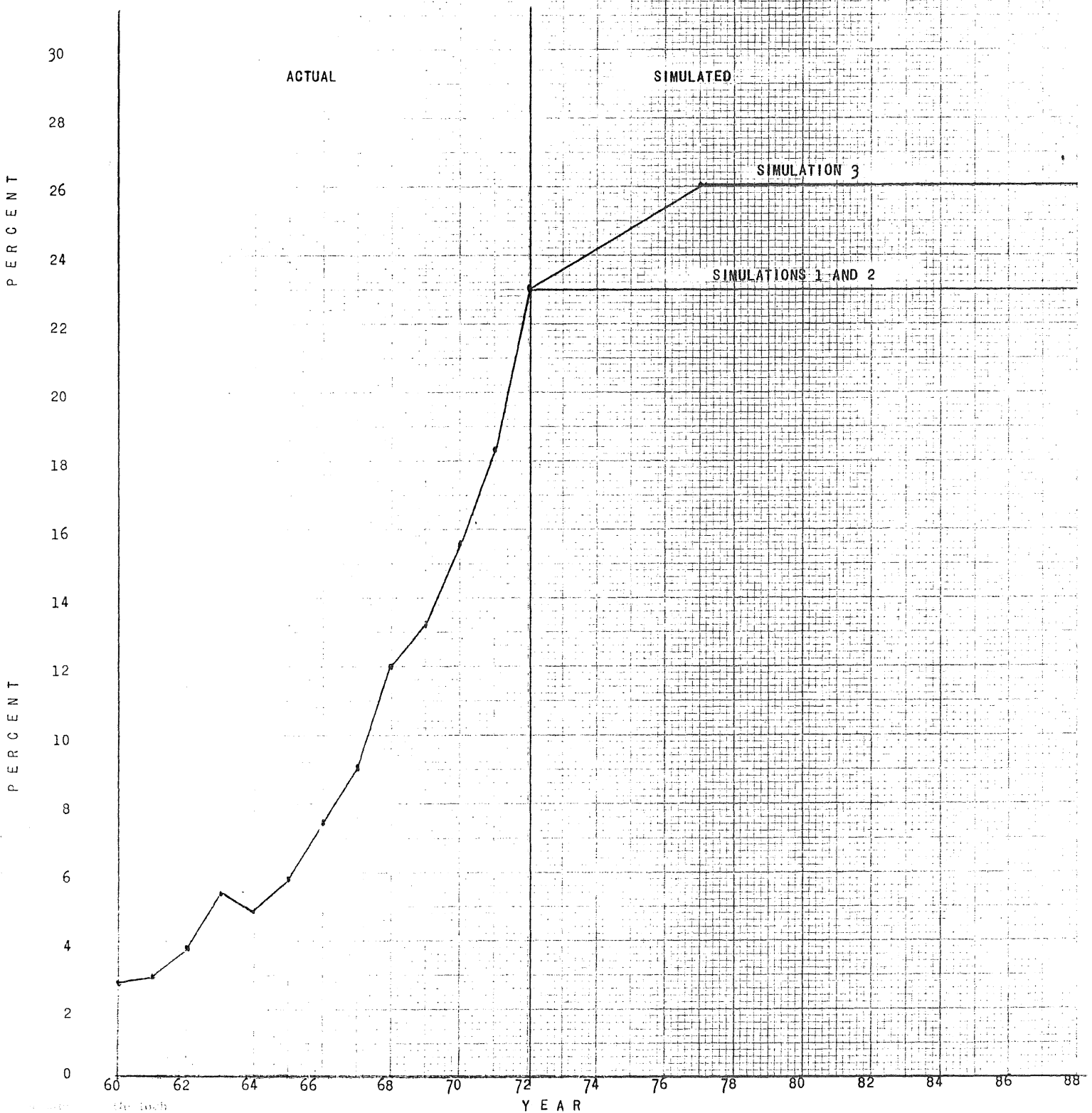


FIGURE 19
PROJECTED ENROLLMENTS
UNIVERSITY OF MINNESOTA SYSTEM, 1973-1989

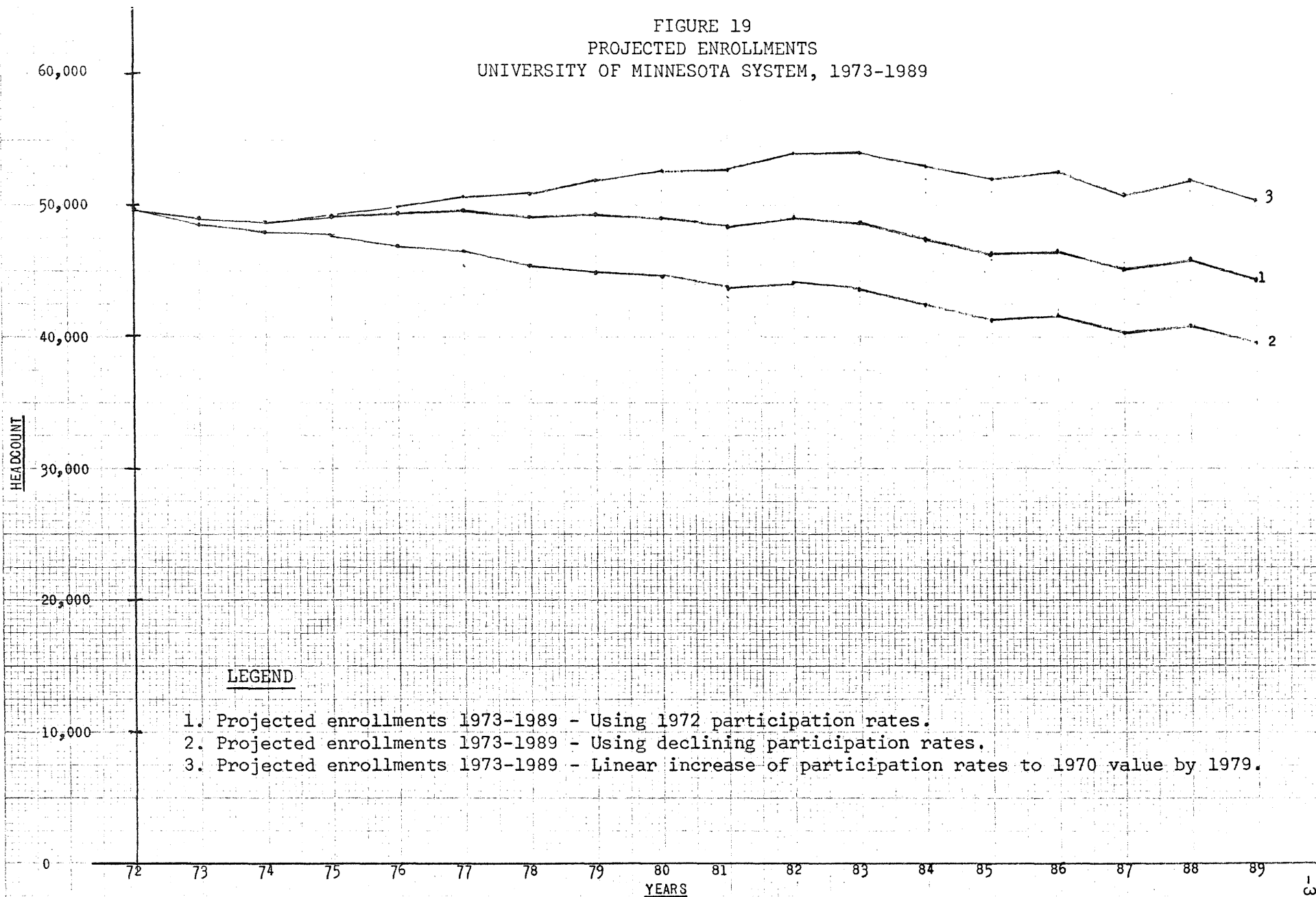


FIGURE 20
PROJECTED ENROLLMENTS
STATE COLLEGE SYSTEM, 1973-1989

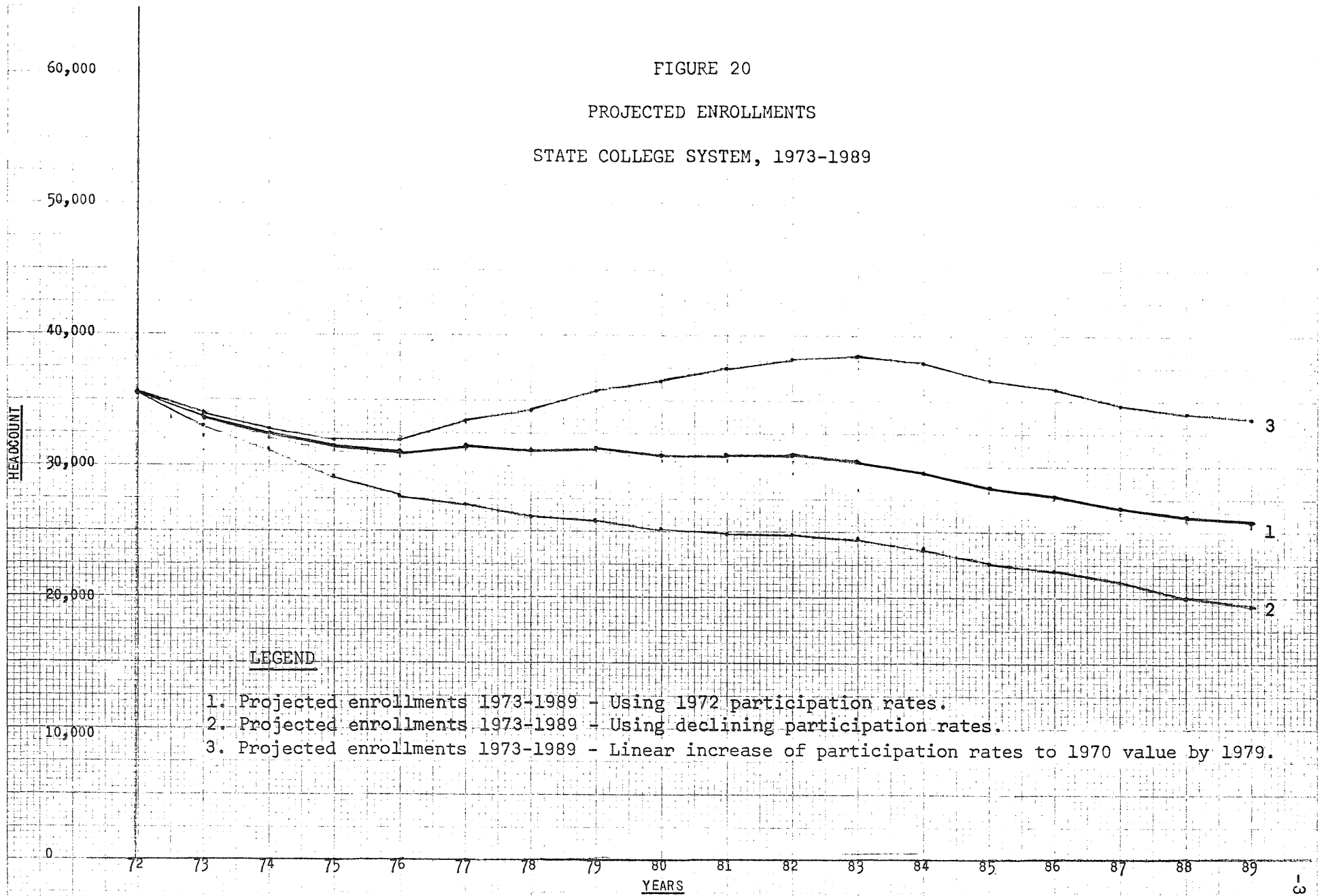


FIGURE 21

PROJECTED ENROLLMENTS

JUNIOR COLLEGE SYSTEM, 1973-1989

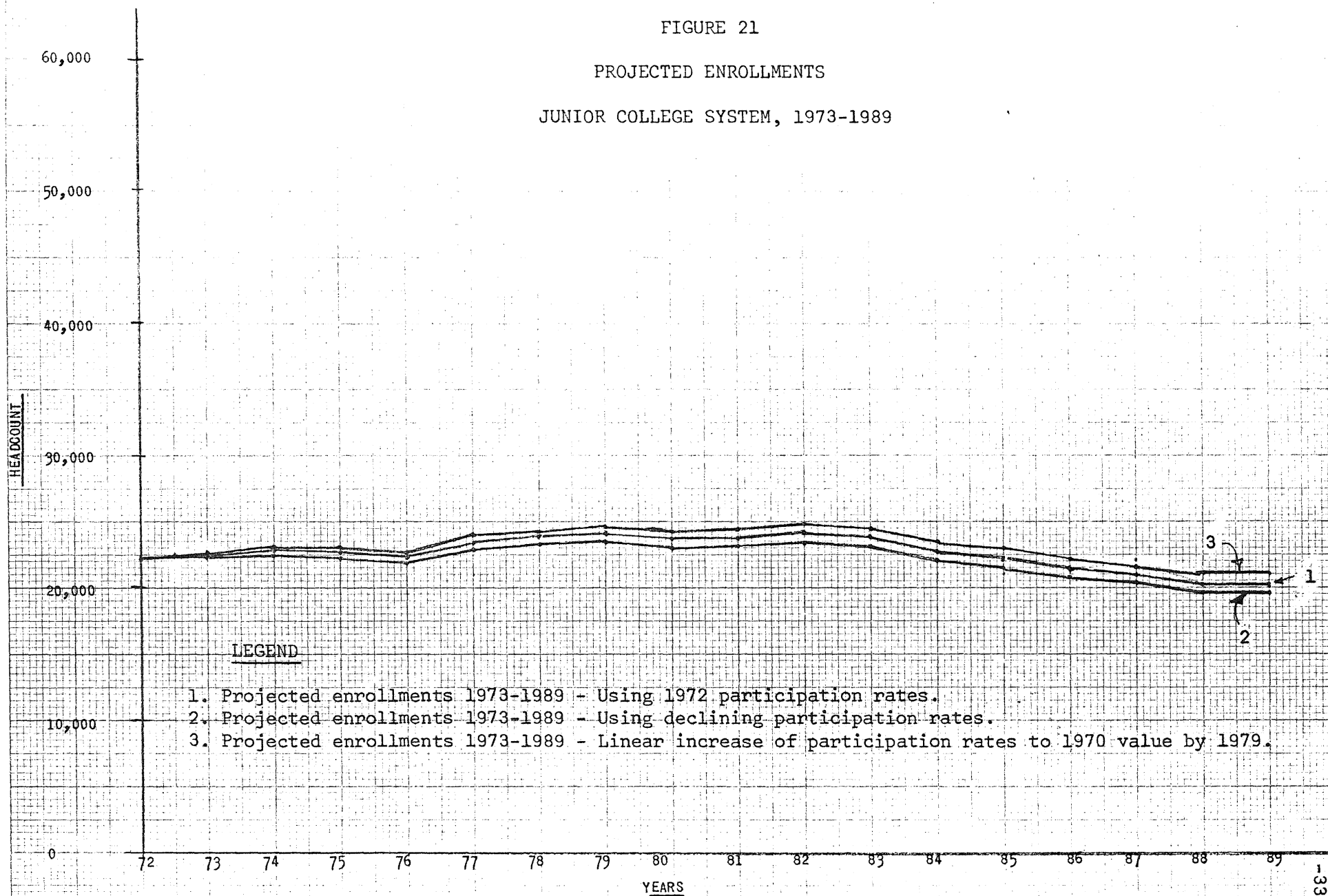


FIGURE 22

PROJECTED ENROLLMENTS

AREA VOCATIONAL-TECHNICAL INSTITUTES, 1973-1989

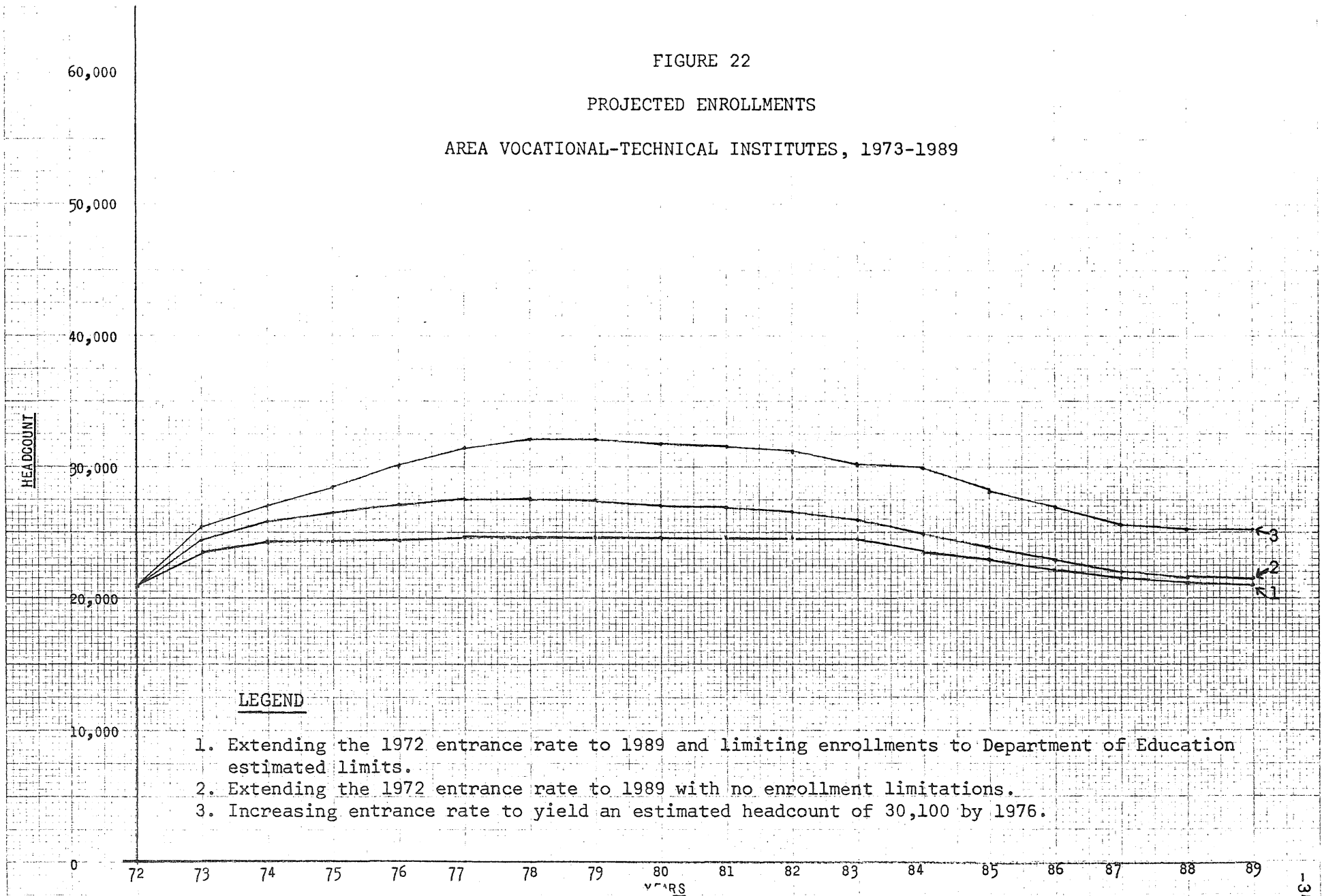


FIGURE 23

PROJECTED ENROLLMENTS, 1973-1989 PRIVATE COLLEGIATE
AND PROFESSIONAL SCHOOL SYSTEM

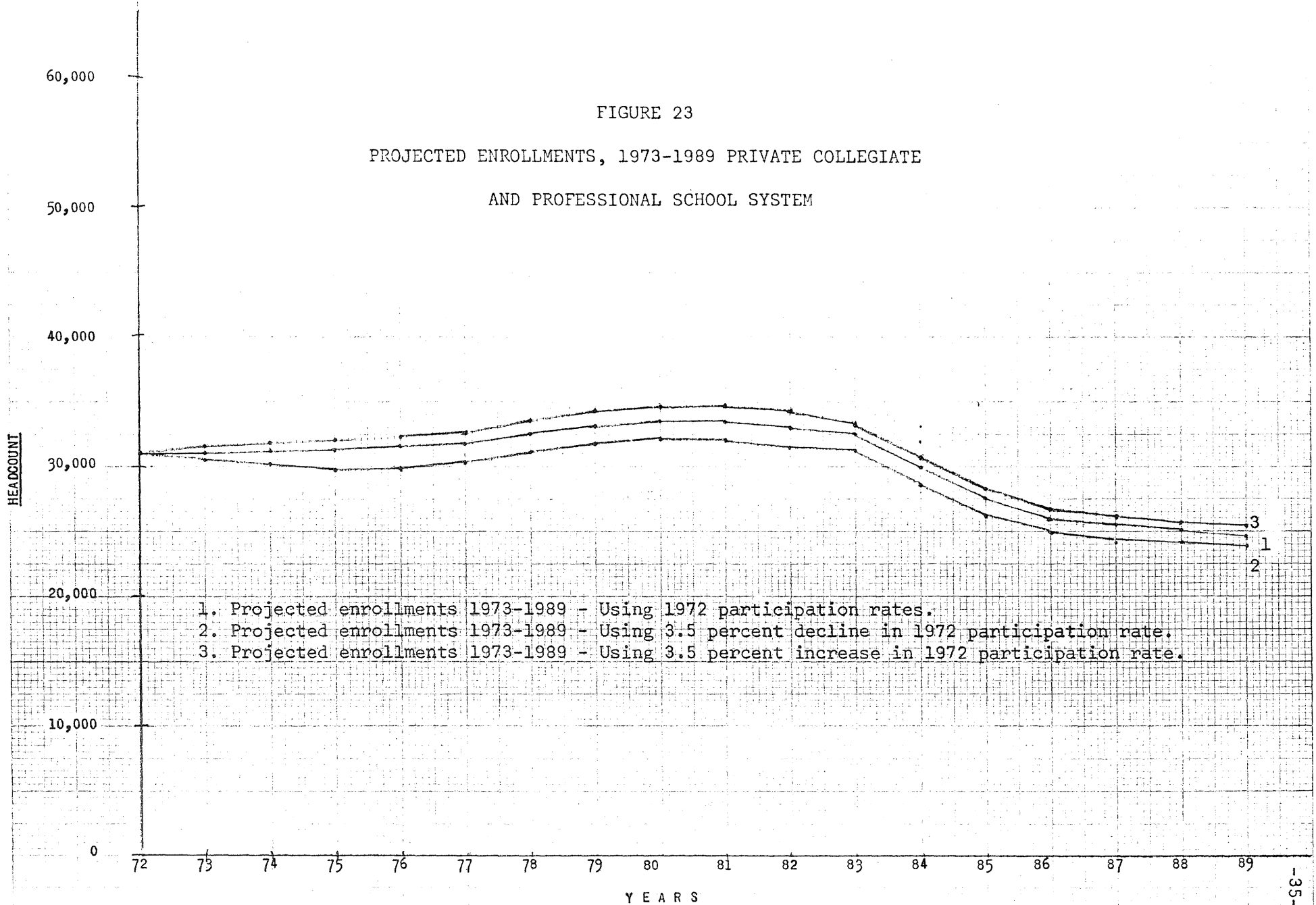


TABLE 2: UNIVERSITY OF MINNESOTA, TOTAL HEADCOUNT

RESULTS OF SIMULATION I
"EXTENDING THE 1972 ENTRANCE RATE TO 1989"

YEARS	INSTITUTIONS					TOTAL
	<u>MPLS./ST. PAUL</u>	<u>DULUTH</u>	<u>MORRIS</u>	<u>CROOKSTON¹</u>	<u>WASECA¹</u>	
1972	41,698	5,487	1,763	638	310	49,896
1973	41,001	5,317	1,644	693	389	49,044
1974	40,535	5,528	1,650	721	430	48,864
1975	40,546	5,704	1,682	774	521	49,227
1976	40,363	5,816	1,736	869	657	49,441
1977	40,630	5,840	1,755	894	736	49,855
1978	39,881	5,893	1,803	904	803	49,284
1979	39,469	6,209	1,814	993	940	49,425
1980	39,806	6,029	1,734	854	870	49,293
1981	39,297	5,730	1,811	827	901	48,566
1982	39,796	5,872	1,724	860	968	49,220
1983	39,762	5,625	1,724	787	904	48,802
1984	38,803	5,552	1,666	723	845	47,589
1985	38,197	5,060	1,583	753	889	46,482
1986	38,647	5,052	1,590	680	812	46,781
1987	37,341	4,972	1,413	678	816	45,220
1988	38,162	4,996	1,399	671	820	46,048
1989	37,119	4,593	1,406	653	810	44,581

¹Crookston and Waseca are simulated to yield the University's projected enrollments of 800 and 500 by 1975.

TABLE 3: UNIVERSITY OF MINNESOTA, TOTAL HEADCOUNT

RESULTS OF SIMULATION 2
 "DECLINING ENTRANCE RATES UNTIL 1975, THEN HELD CONSTANT"

YEARS	INSTITUTION					TOTAL
	<u>MPLS./ST. PAUL</u>	<u>DULUTH</u>	<u>MORRIS</u>	<u>CROOKSTON</u>	<u>WASECA</u>	
1972	41,698	5,487	1,763	638	310	49,896
1973	40,694	5,233	1,613	693	389	48,622
1974	39,920	5,360	1,588	721	430	48,019
1975	39,432	5,418	1,583	774	521	47,728
1976	38,674	5,405	1,595	774	521	46,969
1977	38,415	5,338	1,586	774	521	46,634
1978	37,254	5,328	1,614	774	521	45,491
1979	36,490	5,581	1,617	774	521	44,983
1980	36,506	5,398	1,542	774	521	44,741
1981	35,796	5,117	1,608	774	521	43,816
1982	36,065	5,234	1,530	774	521	44,124
1983	35,888	5,008	1,530	774	521	43,721
1984	34,916	4,939	1,478	723	521	42,577
1985	34,292	4,500	1,404	753	521	41,470
1986	34,628	4,490	1,410	680	521	41,729
1987	33,415	4,418	1,253	678	521	40,285
1988	34,103	4,438	1,241	671	521	40,974
1989	33,137	4,079	1,247	653	521	39,637

TABLE 4: UNIVERSITY OF MINNESOTA, TOTAL HEADCOUNT

RESULTS OF SIMULATION 3
 "LINEAR INCREASE TO THE 1970 ENTRANCE RATE BY 1979"

YEARS	INSTITUTION					TOTAL
	MPLS./ST. PAUL	DULUTH	MORRIS	CROOKSTON	WASECA	
1972	41,698	5,487	1,763	638	310	49,896
1973	41,000	5,317	1,644	693	389	49,043
1974	40,535	5,528	1,650	721	430	48,864
1975	40,645	5,730	1,692	774	521	49,362
1976	40,666	5,896	1,766	869	657	49,854
1977	41,272	6,005	1,814	926	758	50,775
1978	40,987	6,166	1,900	983	856	50,892
1979	41,175	6,618	1,956	1,133	1,036	51,918
1980	42,190	6,559	1,913	1,034	994	52,690
1981	42,245	6,334	2,023	1,058	1,061	52,721
1982	43,263	6,550	1,943	1,129	1,155	54,040
1983	43,615	6,314	1,951	1,046	1,086	54,012
1984	42,862	6,254	1,889	968	1,017	52,990
1985	42,420	5,713	1,797	1,010	1,072	52,012
1986	43,103	5,714	1,806	914	980	52,517
1987	41,771	5,630	1,605	911	985	50,902
1988	42,813	5,662	1,590	903	990	51,958
1989	41,735	5,208	1,598	878	978	50,397

RESULTS OF SIMULATION I
"EXTENDING THE 1972 ENTRANCE RATE TO 1989"

YEARS	INSTITUTIONS						TOTAL
	BEMIDJI	MANKATO	MOORHEAD	ST. CLOUD	SOUTHWEST	WINONA	
1972	4,549	10,825	4,780	9,178	2,547	3,887	35,766
1973	4,455	10,275	4,468	8,410	2,520	3,719	33,847
1974	4,417	9,879	4,365	7,926	2,468	3,567	32,622
1975	4,295	9,299	4,316	7,696	2,447	3,487	31,534
1976	4,331	8,821	4,314	7,605	2,453	3,479	31,003
1977	4,383	8,921	4,364	7,772	2,565	3,523	31,528
1978	4,327	8,694	4,316	7,697	2,604	3,529	31,167
1979	4,295	8,714	4,283	7,831	2,718	3,475	31,316
1980	4,321	8,178	4,313	7,924	2,748	3,351	30,835
1981	4,266	8,177	4,223	7,968	2,648	3,423	30,705
1982	4,283	8,429	4,149	7,887	2,592	3,392	30,732
1983	4,251	8,250	4,037	7,982	2,592	3,349	30,461
1984	4,066	8,013	3,837	7,975	2,540	3,247	29,678
1985	3,887	7,579	3,689	7,773	2,365	3,177	28,470
1986	3,853	7,544	3,515	7,579	2,249	3,123	27,863
1987	3,619	7,310	3,434	7,328	2,149	2,973	26,813
1988	3,665	7,181	3,434	7,204	2,068	2,847	26,399
1989	3,650	6,964	3,429	7,074	1,975	2,800	25,892

TABLE 6: STATE COLLEGE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION 2
 "DECLINING ENTRANCE RATES UNTIL 1975, THEN HELD CONSTANT"

YEARS	INSTITUTIONS						TOTAL
	BEMIDJI	MANKATO	MOORHEAD	ST. CLOUD	SOUTHWEST	WINONA	
1972	4,549	10,825	4,780	9,178	2,547	3,887	35,766
1973	4,349	10,135	4,362	8,234	2,454	3,652	33,186
1974	4,204	9,600	4,152	7,575	2,335	3,432	31,298
1975	3,929	8,806	3,950	7,090	2,221	3,252	29,248
1976	3,798	8,096	3,784	6,720	2,127	3,132	27,657
1977	3,712	7,975	3,699	6,643	2,152	3,080	27,261
1978	3,569	7,594	3,568	6,413	2,133	3,015	26,292
1979	3,482	7,476	3,484	6,416	2,197	2,918	25,973
1980	3,464	6,912	3,469	6,417	2,202	2,777	25,241
1981	3,395	6,835	3,373	6,402	2,110	2,813	24,928
1982	3,392	6,981	3,299	6,302	2,057	2,772	24,803
1983	3,355	6,788	3,199	6,350	2,053	2,725	24,470
1984	3,202	6,560	3,035	6,324	2,009	2,635	23,765
1985	3,057	6,183	2,913	6,150	1,869	2,574	22,746
1986	3,026	6,134	2,774	5,985	1,776	2,527	22,222
1987	2,840	5,931	2,708	5,779	1,696	2,403	21,357
1988	2,874	5,815	2,706	5,673	1,632	2,300	21,000
1989	2,861	5,631	2,701	5,563	1,558	2,260	20,574

RESULTS OF SIMULATION 3
 "LINEAR INCREASE TO THE 1970 ENTRANCE RATE BY 1979"

YEARS	INSTITUTIONS						TOTAL
	BEMIDJI	MANKATO	MOORHEAD	ST. CLOUD	SOUTHWEST	WINONA	
1972	4,549	10,825	4,780	9,179	2,547	3,887	35,767
1973	4,455	10,275	4,468	8,410	2,520	3,719	33,847
1974	4,417	9,879	4,365	7,927	2,468	3,567	32,623
1975	4,349	9,371	4,370	7,787	2,481	3,522	31,880
1976	4,489	9,030	4,472	7,874	2,553	3,581	31,999
1977	4,693	9,332	4,670	8,296	2,759	3,722	33,472
1978	4,815	9,352	4,795	8,531	2,908	2,848	34,249
1979	4,972	9,655	4,943	9,008	3,146	3,923	35,647
1980	5,209	9,391	5,180	9,480	3,303	3,935	36,498
1981	5,308	9,650	5,230	9,822	3,282	4,131	37,423
1982	5,441	10,158	5,246	9,930	3,285	4,181	38,241
1983	5,475	10,108	5,180	10,188	3,328	4,186	38,465
1984	5,285	9,941	4,968	10,275	3,290	4,100	37,859
1985	5,081	9,488	4,805	10,076	3,082	4,037	36,569
1986	5,057	9,516	4,597	9,869	2,943	3,986	35,968
1987	4,761	9,268	4,502	9,571	2,819	3,805	34,726
1988	4,831	9,142	4,509	9,434	2,716	3,652	34,284
1989	4,819	8,895	4,509	9,283	2,596	3,597	33,699

TABLE 8: STATE JUNIOR COLLEGE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION I
PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

YEARS	INSTITUTIONS									
	ANOKA-RAMSEY	AUSTIN	BRAINERD	FERGUS FALLS	HIBBING	INVER HILLS	ITASCA	LAKEWOOD	MESABI	METROPOLITAN
1972	2,160	927	565	590	675	1,313	512	2,096	705	2,254
1973	2,236	934	538	533	677	1,434	500	2,239	697	2,304
1974	2,276	937	524	513	678	1,508	496	2,327	693	2,340
1975	2,260	912	512	511	691	1,509	495	2,312	680	2,360
1976	2,348	887	528	509	713	1,532	477	2,337	677	2,377
1977	2,417	939	535	550	753	1,636	477	2,490	677	2,455
1978	2,403	916	510	500	760	1,671	466	2,541	674	2,481
1979	2,413	929	543	518	738	1,683	474	2,557	657	2,526
1980	2,465	856	526	522	677	1,665	454	2,529	634	2,500
1981	2,453	874	501	512	686	1,689	455	2,565	618	2,532
1982	2,502	925	518	477	652	1,758	430	2,670	589	2,601
1983	2,491	880	466	497	623	1,710	427	2,595	570	2,586
1984	2,379	836	462	495	571	1,611	398	2,445	548	2,549
1985	2,292	768	429	451	541	1,636	368	2,483	516	2,476
1986	2,313	771	416	426	523	1,578	348	2,396	483	2,455
1987	2,170	728	412	397	475	1,560	314	2,368	459	2,393
1988	2,260	722	418	390	454	1,497	311	2,272	443	2,367
1989	2,278	704	387	377	448	1,519	303	2,305	439	2,336

(Continued on next page)

TABLE 8: STATE JUNIOR COLLEGE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION I
PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

YEARS	INSTITUTIONS								TOTAL
	NORMANDALE	NORTH HENNEPIN	NORTHLAND	RAINY RIVER	ROCHESTER	VERMILION	WILLMAR	WORTHINGTON	
1972	3,380	2,478	385	272	2,372	340	694	618	22,336
1973	3,529	2,407	335	242	2,380	323	672	611	22,591
1974	3,622	2,366	313	231	2,410	315	661	608	22,817
1975	3,569	2,405	304	231	2,325	317	674	564	22,631
1976	3,589	2,168	304	232	2,303	312	695	505	22,493
1977	3,813	2,344	303	253	2,357	346	693	553	23,591
1978	3,881	2,486	299	230	2,409	333	728	512	23,800
1979	3,900	2,654	306	237	2,430	300	721	567	24,153
1980	3,852	2,581	282	238	2,389	298	716	536	23,720
1981	3,903	2,634	274	232	2,420	270	699	494	23,811
1982	4,059	2,701	274	214	2,394	277	666	474	24,181
1983	3,943	2,875	257	223	2,320	262	636	448	23,809
1984	3,713	2,688	241	221	2,335	253	618	431	22,794
1985	3,768	2,733	236	200	2,131	252	603	411	22,294
1986	3,634	2,538	217	188	1,985	249	577	409	21,506
1987	3,590	2,542	208	171	1,917	248	531	350	20,843
1988	3,444	2,595	202	169	1,889	237	539	349	20,558
1989	3,493	2,427	196	165	1,846	217	509	387	20,337

TABLE 9: STATE JUNIOR COLLEGE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION 2
PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

YEARS	INSTITUTIONS									
	ANOKA-RAMSEY	AUSTIN	BRAINERD	FERGUS FALLS	HIBBING	INVER HILLS	ITASCA	LAKEWOOD	MESABI	METROPOLITAN
1972	2,160	927	565	590	675	1,313	512	2,096	705	2,254
1973	2,219	925	534	528	670	1,424	495	2,225	690	2,295
1974	2,250	924	519	504	668	1,493	488	2,304	683	2,324
1975	2,218	891	501	498	675	1,484	482	2,275	664	2,334
1976	2,290	860	513	492	691	1,498	461	2,286	655	2,340
1977	2,350	907	517	530	728	1,595	459	2,427	653	2,409
1978	2,332	883	492	482	734	1,625	448	2,472	649	2,428
1979	2,340	896	523	499	712	1,635	455	2,485	632	2,469
1980	2,389	825	507	502	653	1,616	436	2,455	609	2,441
1981	2,377	842	482	493	661	1,639	437	2,490	594	2,469
1982	2,423	891	499	459	628	1,706	413	2,591	566	2,536
1983	2,413	848	449	479	601	1,658	410	2,518	548	2,520
1984	2,305	806	445	476	551	1,562	382	2,372	527	2,484
1985	2,220	740	413	434	521	1,586	354	2,409	496	2,412
1986	2,240	743	400	410	504	1,531	335	2,324	464	2,391
1987	2,102	701	396	382	458	1,513	301	2,297	441	2,331
1988	2,189	695	402	375	437	1,452	299	2,204	426	2,305
1989	2,202	678	372	363	432	1,473	296	2,236	422	2,274

(Continued on next page)

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TABLE 9: STATE JUNIOR COLLEGE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION 2
PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

YEARS	INSTITUTIONS								TOTAL
	NORMANDALE	NORTH HENNEPIN	NORTHLAND	RAINY RIVER	ROCHESTER	VERMILION	WILLMAR	WORTHINGTON	
1972	3,380	2,478	385	272	2,327	340	694	618	22,291
1973	3,505	2,392	332	240	2,363	320	665	606	22,428
1974	3,581	2,342	310	228	2,383	210	651	600	22,560
1975	3,503	2,364	298	226	2,282	310	657	551	22,213
1976	3,499	2,115	297	226	2,245	302	672	489	21,931
1977	3,702	2,278	294	245	2,291	334	667	535	22,921
1978	3,761	2,412	291	223	2,338	321	700	495	23,086
1979	3,773	2,572	297	230	2,356	289	693	548	23,404
1980	3,724	2,499	274	230	2,315	287	688	517	22,967
1981	3,772	2,549	266	225	2,344	260	671	477	23,048
1982	3,922	2,614	266	208	2,319	266	639	457	23,403
1983	3,809	2,782	249	216	2,247	253	611	432	23,043
1984	3,586	2,600	233	214	2,262	243	594	416	22,058
1985	3,639	2,644	229	194	2,064	243	579	397	21,574
1986	3,509	2,455	211	183	1,923	239	553	395	20,811
1987	3,467	2,459	202	166	1,856	239	519	338	20,168
1988	3,326	2,510	196	164	1,829	228	518	337	19,892
1989	3,373	2,347	190	160	1,788	209	488	274	19,677

TABLE 10: STATE JUNIOR COLLEGE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION 3
PROJECTED ENROLLMENTS 1973-1989 LINEAR INCREASE
OF PARTICIPATION RATES TO 1970 VALUE BY 1979

YEARS	INSTITUTIONS									
	ANOKA-RAMSEY	AUSTIN	BRAINERD	FERGUS FALLS	HIBBING	INVER HILLS	ITASCA	LAKEWOOD	MESABI	METROPOLITAN
1972	2,160	927	565	590	675	1,313	512	2,096	705	2,254
1973	2,236	934	538	533	677	1,434	500	2,239	697	2,304
1974	2,276	937	524	512	678	1,508	496	2,327	693	2,340
1975	2,270	917	515	514	695	1,515	498	2,320	684	2,365
1976	2,368	897	534	515	721	1,544	483	2,355	685	2,388
1977	2,447	953	542	559	764	1,654	486	2,517	688	2,473
1978	2,442	934	520	511	775	1,695	476	2,577	688	2,506
1979	2,463	952	556	532	756	1,714	487	2,604	675	2,561
1980	2,528	882	542	538	698	1,703	470	2,586	654	2,543
1981	2,521	093	517	530	708	1,732	471	2,629	640	2,581
1982	2,574	957	536	494	674	1,806	446	2,741	610	2,656
1983	2,565	911	482	515	645	1,757	443	2,666	591	2,643
1984	2,450	866	479	513	591	1,656	413	2,413	569	2,608
1985	2,361	795	445	467	559	1,682	383	2,553	535	2,535
1986	2,382	798	431	441	541	1,623	362	2,464	501	2,514
1987	2,236	754	426	412	491	1,605	325	2,435	476	2,452
1988	2,328	747	433	404	470	1,540	323	2,337	459	2,425
1989	2,342	729	400	391	464	1,563	320	2,371	456	2,394

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TABLE 10. STATE JUNIOR COLLEGE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION 3
PROJECTED ENROLLMENTS 1973-1989 LINEAR INCREASE
OF PARTICIPATION RATES TO 1970 VALUE BY 1979

YEARS	INSTITUTIONS								TOTAL
	NORMANDALE	NORTH HENNEPIN	NORTHLAND	RAINY RIVER	ROCHESTER	VERMILION	WILLMAR	WORTHINGTON	
1972	3,380	2,478	385	272	2,327	340	694	618	22,291
1973	3,529	2,407	335	242	2,380	323	672	611	22,591
1974	3,622	2,366	313	231	2,410	315	661	608	22,817
1975	3,583	2,414	306	232	2,334	319	678	567	22,726
1976	3,619	2,186	307	234	2,322	315	703	510	22,686
1977	3,859	2,372	307	256	2,385	351	704	562	23,879
1978	3,945	2,526	304	234	2,448	339	743	522	24,185
1979	3,981	2,708	312	242	2,480	307	741	581	24,652
1980	3,951	2,645	289	244	2,448	307	739	551	24,318
1981	4,015	2,706	282	238	2,486	279	723	510	24,471
1982	2,183	2,780	282	221	2,463	286	690	489	24,888
1983	4,067	2,961	264	229	2,388	272	660	462	24,521
1984	3,832	2,769	247	227	2,404	262	642	445	23,486
1985	3,890	2,817	243	206	2,195	261	626	425	22,978
1986	3,752	2,617	224	194	2,045	258	599	423	22,169
1987	3,707	2,621	214	176	1,974	257	562	362	21,485
1988	3,557	2,676	208	174	1,945	246	560	361	21,193
1989	3,607	2,503	202	170	1,901	225	528	400	20,966

TABLE 11: AREA VOCATIONAL-TECHNICAL INSTITUTE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION I
 "PROJECTED ENROLLMENTS 1973-1989 USING 1972 PARTICIPATION RATES
 AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS AND INCLUDING CURRENT ENROLLMENT LIMITS"

YEARS	INSTITUTIONS										EAST GRAND FORKS
	ALBERT LEA	ALEXANDRIA	ANOKA	AUSTIN	BEMIDJI	BRAINERD	CANBY	DAKOTA COUNTY	DETROIT LAKES	DULUTH	
1972	299	1,209	1,647	466	266	552	380	347	515	1,136	14
1973	319	1,269	1,767	536	319	652	380	541	643	1,186	108
1974	326	1,269	1,767	560	337	652	380	573	675	1,186	141
1975	331	1,269	1,767	566	343	652	380	604	675	1,186	154
1976	334	1,269	1,767	566	333	652	380	625	675	1,186	159
1977	337	1,269	1,767	566	342	652	380	643	675	1,186	163
1978	336	1,269	1,767	566	341	652	380	651	675	1,186	161
1979	333	1,269	1,767	566	338	652	380	657	675	1,186	158
1980	329	1,269	1,767	566	334	652	380	661	675	1,186	154
1981	325	1,269	1,767	566	328	652	380	665	662	1,186	151
1982	322	1,269	1,767	563	322	652	380	669	647	1,176	147
1983	312	1,248	1,767	546	308	652	380	658	620	1,123	140
1984	300	1,193	1,767	525	292	653	380	641	590	1,064	133
1985	287	1,135	1,767	502	274	632	380	624	558	1,004	126
1986	274	1,077	1,767	479	256	598	378	606	526	943	118
1987	260	1,030	1,767	456	239	565	358	587	501	882	111
1988	257	1,001	1,767	450	236	549	347	585	486	862	107
1989	257	989	1,767	450	238	539	340	588	483	857	104

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TABLE 11. AREA VOCATIONAL-TECHNICAL INSTITUTE SYSTEM. TOTAL AD COUNT

RESULTS OF SIMULATION I
 "PROJECTED ENROLLMENTS 1973-1989 USING 1972 PARTICIPATION RATES
 AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS AND INCLUDING CURRENT ENROLLMENT LIMITS"

YEARS	INSTITUTIONS										
	EVELETH	FARIBAULT	GRANITE FALLS	HIBBING	HUTCHINSON	JACKSON	MANKATO	MINNEAPOLIS	MOORHEAD	PINE CITY	PIPESTONE
1972	271	327	288	283	295	454	1,066	813	876	159	468
1973	291	347	338	283	445	454	1,126	896	926	184	468
1974	291	347	338	283	498	454	1,126	926	926	192	468
1975	291	347	338	283	523	454	1,126	953	926	199	468
1976	291	347	338	283	538	454	1,126	979	926	199	468
1977	291	347	338	283	545	454	1,126	1,005	926	199	468
1978	291	347	338	283	545	454	1,126	1,018	926	199	468
1979	291	347	338	283	544	454	1,126	1,027	926	199	468
1980	291	347	338	283	535	454	1,126	1,035	926	199	468
1981	291	347	338	283	526	454	1,123	1,042	909	199	468
1982	291	347	338	283	516	454	1,097	1,048	885	199	468
1983	280	347	338	281	499	445	1,059	1,032	848	199	468
1984	265	347	338	267	479	425	1,015	1,007	806	199	459
1985	250	347	338	251	459	404	970	980	763	199	436
1986	234	347	338	236	438	384	924	952	719	196	413
1987	219	332	338	220	417	363	878	924	686	189	390
1988	214	328	330	215	407	355	871	920	662	187	378
1989	212	329	324	214	400	352	878	925	653	187	370

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TABLE 11: AREA VOCATIONAL-TECHNICAL INSTITUTE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION I
 "PROJECTED ENROLLMENTS 1973-1989 USING 1972 PARTICIPATION RATES
 AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS AND INCLUDING CURRENT ENROLLMENT LIMITS"

YEARS	INSTITUTIONS											TOTAL
	RAMSEY- WASHINGTON	RED WING	ROCHESTER	ST. CLOUD	ST. PAUL	STAPLES	SUBURBAN HENNEPIN	THIEF RIVER FALLS	WADENA	WILLMAR	WINONA	
1972	700	45	615	1,186	2,150	483	1,059	445	297	1,146	596	20,953
1973	875	153	665	1,223	2,250	532	1,644	447	397	1,266	596	23,596
1974	875	191	665	1,236	2,250	550	1,849	447	397	1,266	596	24,037
1975	875	206	665	1,260	2,250	558	1,955	450	397	1,266	596	24,313
1976	875	212	665	1,281	2,250	558	2,026	450	397	1,266	596	24,476
1977	875	216	665	1,315	2,250	558	2,059	456	397	1,266	596	24,615
1978	875	216	665	1,361	2,250	558	2,059	452	397	1,266	596	24,674
1979	875	215	665	1,361	2,250	558	2,059	444	397	1,266	596	24,670
1980	875	213	665	1,361	2,250	558	2,059	434	397	1,266	596	24,649
1981	875	211	665	1,361	2,250	558	2,059	424	397	1,266	596	24,593
1982	875	209	665	1,358	2,250	550	2,059	414	397	1,266	596	24,479
1983	875	203	665	1,325	2,250	530	2,059	397	397	1,236	596	24,083
1984	875	196	665	1,283	2,250	507	2,059	377	397	1,183	596	23,532
1985	875	187	665	1,283	2,250	482	2,033	356	397	1,129	596	22,939
1986	875	179	665	1,191	2,250	456	1,975	335	397	1,073	596	22,195
1987	875	171	645	1,145	2,250	432	1,915	313	397	1,019	581	21,455
1988	875	169	637	1,129	2,250	420	1,907	304	397	990	573	21,065
1989	875	169	636	1,124	2,250	414	1,917	298	397	972	573	21,082

RESULTS OF SIMULATION 2
 "PROJECTED ENROLLMENTS 1973-1989 USING 1972 PARTICIPATION
 RATES, 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS"

YEARS	INSTITUTIONS										EAST GRAND FORKS
	ALBERT LEA	ALEXANDRIA	ANOKA	AUSTIN	BEMIDJI	BRAINERD	CANBY	DAKOTA COUNTY	DETROIT LAKES	DULUTH	
1972	299	1,209	1,647	466	266	552	380	347	515	1,136	14
1973	319	1,325	1,852	536	319	664	460	541	643	1,258	108
1974	326	1,366	1,924	560	337	703	488	573	688	1,300	141
1975	331	1,386	1,983	573	343	726	501	604	704	1,322	154
1976	335	1,397	2,038	580	333	744	510	625	703	1,335	159
1977	337	1,408	2,091	586	342	760	517	643	709	1,346	163
1978	336	1,400	2,129	585	341	761	510	651	703	1,325	161
1979	333	1,378	2,148	580	338	754	499	657	691	1,292	158
1980	329	1,352	2,161	575	334	744	486	661	677	1,255	154
1981	325	1,324	2,171	569	328	733	472	665	662	1,214	151
1982	322	1,295	2,180	563	322	721	457	669	647	1,176	147
1983	312	1,248	2,143	546	308	695	440	658	620	1,123	140
1984	300	1,193	2,088	525	292	664	420	641	590	1,064	133
1985	287	1,135	2,029	502	274	632	399	624	558	1,004	126
1986	274	1,077	1,969	479	256	598	378	606	526	943	118
1987	260	1,030	1,907	456	239	565	358	587	501	882	111
1988	257	1,001	1,897	450	236	549	347	585	486	862	107
1989	257	989	1,904	450	238	539	340	588	483	857	104

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TABLE 12: AREA VOCATIONAL-TECHNICAL INSTITUTE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION 2
 "PROJECTED ENROLLMENTS 1973-1989 USING 1972 PARTICIPATION
 RATES, 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS"

YEARS	INSTITUTIONS										
	EVELETH	FARIBAULT	GRANITE FALLS	HIBBING	HUTCHINSON	JACKSON	MANKATO	MINNEAPOLIS	MOORHEAD	PINE CITY	PIPESTONE
1972	271	327	288	283	295	454	1,066	813	876	159	468
1973	311	382	394	316	445	499	1,175	896	951	184	536
1974	325	401	432	327	498	515	1,2132	926	977	192	560
1975	332	411	449	333	523	521	1,222	953	986	199	571
1976	335	416	460	336	538	524	1,219	979	986	204	577
1977	338	421	468	339	551	526	1,214	1,005	989	209	582
1978	332	420	464	333	550	517	1,195	1,018	976	218	572
1979	324	417	456	325	544	505	1,173	1,027	955	221	556
1980	314	414	447	315	535	491	1,148	1,035	932	222	539
1981	303	410	436	305	526	477	1,123	1,042	909	221	521
1982	293	405	425	295	516	460	1,097	1,048	885	221	499
1983	280	394	411	281	499	445	1,059	1,032	848	216	482
1984	265	379	393	267	479	425	1,015	1,007	806	210	459
1985	250	364	375	251	459	404	970	980	763	203	436
1986	234	348	357	236	438	384	924	952	719	196	413
1987	219	332	339	220	417	363	878	924	686	189	390
1988	214	328	330	215	407	355	871	920	662	187	378
1989	212	329	324	214	400	352	878	925	653	187	370

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TABLE 12 REA VOCATIONAL-TECHNICAL INSTITUTE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION 2
 "PROJECTED ENROLLMENTS 1973-1989 USING 1972 PARTICIPATION
 RATES, 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS"

YEARS	INSTITUTIONS											TOTAL
	RAMSEY- WASHINGTON	RED WING	ROCHESTER	ST. CLOUD	ST. PAUL	STAPLES	SUBURBAN HENNEPIN	THIEF RIVER FALLS	WADENA	WILLMAR	WINONA	
1972	700	45	615	1,186	2,150	483	1,059	445	397	1,146	596	20,953
1973	891	153	744	1,223	2,391	532	1,644	447	529	1,278	681	24,627
1974	957	191	789	1,236	2,476	550	1,849	447	576	1,324	710	25,877
1975	998	206	810	1,260	2,550	562	1,955	350	597	1,354	726	26,595
1976	1,030	212	822	1,286	2,621	571	2,026	450	608	1,379	735	27,072
1977	1,059	216	832	1,315	2,690	582	2,086	456	618	1,402	744	27,544
1978	1,074	216	829	1,361	2,727	582	2,116	452	616	1,394	742	27,606
1979	1,084	215	822	1,371	2,751	575	2,135	444	607	1,371	736	27,442
1980	1,092	213	814	1,370	2,771	567	2,150	434	597	1,343	730	27,201
1981	1,100	211	805	1,365	2,789	559	2,164	424	585	1,313	723	26,925
1982	1,107	209	796	1,358	2,807	550	2,177	414	573	1,281	716	26,631
1983	1,090	203	772	1,325	2,763	530	2,142	397	551	1,236	694	25,883
1984	1,063	196	742	1,283	2,695	507	2,089	377	524	1,183	667	24,941
1985	1,035	187	710	1,238	2,624	432	2,033	356	496	1,129	639	23,954
1986	1,006	179	678	1,191	2,549	456	1,975	335	467	1,073	610	22,944
1987	976	171	645	1,145	2,472	432	1,915	313	442	1,019	581	21,964
1988	972	169	637	1,129	2,463	420	1,907	304	427	990	573	21,635
1989	978	169	636	1,124	2,476	414	1,917	298	419	972	573	21,569

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TABLE 13: AREA VOCATIONAL-TECHNICAL INSTITUTE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION 3
 "PROJECTED ENROLLMENTS 1973-1989 USING PARTICIPATION RATE ESTIMATED
 TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976"

YEARS	INSTITUTIONS										EAST GRAND FORKS
	ALBERT LEA	ALEXANDRIA	ANOKA	AUSTIN	BEMIDJI	BRAINERD	CANBY	DAKOTA COUNTY	DETROIT LAKES	DULUTH	
1972	299	1,209	1,647	466	266	552	380	347	515	1,136	14
1973	327	1,361	1,903	551	328	682	472	720	661	1,291	112
1974	338	1,415	1,993	580	350	728	504	850	713	1,346	147
1975	352	1,475	2,112	609	366	773	532	936	749	1,406	164
1976	367	1,536	2,243	638	366	818	558	1,006	772	1,467	176
1977	383	1,602	2,382	667	389	865	584	1,073	806	1,531	185
1978	386	1,612	2,453	673	393	877	583	1,101	808	1,525	186
1979	384	1,594	2,485	671	391	872	572	1,115	797	1,492	183
1980	381	1,565	2,503	665	387	861	558	1,124	783	1,451	179
1981	377	1,534	2,515	659	380	849	532	1,132	765	1,405	175
1982	372	1,500	2,527	652	373	835	525	1,139	748	1,361	170
1983	361	1,446	2,484	632	358	805	506	1,121	718	1,300	163
1984	347	1,382	2,420	608	338	769	482	1,093	682	1,232	155
1985	332	1,315	2,353	532	318	732	459	1,064	646	1,162	146
1986	317	1,248	2,282	555	297	693	436	1,033	609	1,092	137
1987	302	1,193	2,211	529	277	655	411	1,002	580	1,021	129
1988	298	1,160	2,199	522	274	636	399	998	563	998	124
1989	298	1,146	2,207	533	276	625	390	1,003	559	992	120

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TABLE 15: AREA VOCATIONAL-TECHNICAL INSTITUTE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION 3
 "PROJECTED ENROLLMENTS 1973-1989 USING PARTICIPATION RATE ESTIMATED
 TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976"

YEARS	INSTITUTIONS										
	EVELETH	FARIBAULT	GRANITE FALLS	HIBBING	HUTCHINSON	JACKSON	MANKATO	MINNEAPOLIS	MOORHEAD	PINE CITY	PIPESTONE
1972	271	327	288	283	295	454	1,066	813	876	159	468
1973	320	393	405	324	459	511	1,207	920	974	189	548
1974	337	416	447	339	516	532	1,256	958	1,009	199	577
1975	353	437	477	354	557	552	1,300	1,014	1,044	212	602
1976	369	458	504	370	593	573	1,340	1,076	1,077	225	626
1977	385	479	530	386	628	594	1,381	1,143	1,116	238	650
1978	383	484	532	384	635	591	1,375	1,172	1,112	252	645
1979	375	483	524	376	629	579	1,354	1,187	1,093	256	629
1980	364	479	514	365	620	564	1,328	1,197	1,069	257	610
1981	352	475	502	354	610	548	1,300	1,206	1,042	257	590
1982	340	470	490	342	599	529	1,270	1,214	1,015	256	566
1983	324	456	473	327	579	511	1,226	1,195	973	251	547
1984	307	439	453	309	556	488	1,176	1,166	925	243	521
1985	290	422	432	291	532	464	1,123	1,135	875	236	494
1986	272	403	411	274	508	441	1,070	1,102	825	227	468
1987	254	385	390	256	483	417	1,017	1,070	787	219	442
1988	248	381	380	250	472	408	1,009	1,065	760	217	429
1989	246	381	373	248	464	404	1,016	1,071	749	217	420

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TABLE 13: AREA VOCATIONAL-TECHNICAL INSTITUTE SYSTEM, TOTAL HEADCOUNT

RESULTS OF SIMULATION 3
 "PROJECTED ENROLLMENTS 1973-1989 USING PARTICIPATION RATE ESTIMATED
 TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976"

YEARS	INSTITUTIONS											TOTAL
	RAMSEY- WASHINGTON	RED WING	ROCHESTER	ST. CLOUD	ST. PAUL	STAPLES	HENNEPIN	THIEF RIVER FALLS	WADENA	WILLMAR	WINONA	
1972	700	45	615	1,186	2,150	483	1,059	445	397	1,146	596	20,953
1973	916	157	765	1,255	2,454	547	1,694	458	545	1,312	698	25,459
1974	992	197	818	1,280	2,560	569	1,917	463	597	1,371	734	27,048
1975	1,063	216	863	1,341	2,708	598	2,082	478	636	1,441	770	28,572
1976	1,134	229	905	1,417	2,873	628	2,231	495	669	1,517	805	30,061
1977	1,207	239	947	1,499	3,048	662	2,376	518	704	1,596	840	31,633
1978	1,238	241	955	1,569	2,123	668	2,438	520	709	1,605	848	32,076
1979	1,255	241	951	1,588	3,162	664	2,469	512	702	1,585	845	32,015
1980	1,266	239	942	1,589	3,189	656	2,490	502	691	1,555	838	31,781
1981	1,275	237	933	1,583	3,211	646	2,507	491	678	1,521	831	31,482
1982	1,283	235	922	1,575	3,232	636	2,522	479	665	1,485	822	31,149
1983	1,264	228	894	1,537	3,182	613	2,482	459	638	1,432	798	30,283
1984	1,233	219	860	1,488	3,104	586	2,421	436	607	1,371	767	29,183
1985	1,200	210	823	1,436	3,022	557	2,356	411	575	1,308	734	28,065
1986	1,166	201	785	1,382	2,935	528	2,288	387	542	1,243	701	26,857
1987	1,132	191	747	1,329	2,848	500	2,219	362	512	1,181	667	25,718
1988	1,127	189	737	1,310	2,836	486	2,210	351	495	1,147	658	25,336
1989	1,133	189	737	1,304	2,852	479	2,221	345	486	1,126	658	25,257

TABLE 14

PROJECTED ENROLLMENTS 1973-1989
PRIVATE COLLEGIATE AND PROFESSIONAL SCHOOL SYSTEM

YEARS	SIMULATION 1	SIMULATION 2	SIMULATION 3
	EXTENDING 1972 PARTICIPATION RATE TO 1989	DECREASING 1972 PARTICIPATION BY 3.5 PERCENT	INCREASING 1972 PARTICIPATION BY 3.5 PERCENT
1972	31,150	31,150	31,150
1973	31,000	30,500	31,500
1974	31,050	30,000	31,700
1975	31,100	29,500	31,800
1976	31,500	29,700	32,200
1977	31,700	30,500	32,500
1978	32,500	31,200	33,000
1979	33,000	31,700	33,700
1980	33,500	32,000	34,000
1981	33,500	32,000	34,200
1982	32,900	31,500	33,700
1983	32,500	31,300	33,200
1984	29,900	28,500	30,500
1985	27,500	26,200	28,100
1986	26,000	25,000	26,700
1987	25,500	24,200	26,000
1988	25,000	24,000	25,500
1989	24,750	23,800	25,300

PROJECTING INSTITUTIONAL
ENROLLMENTS, 1973-1989

APPENDIX A

GRAPHICAL DISPLAY OF ENROLLMENT PROJECTIONS
BY INSTITUTION IN MINNESOTA POST-SECONDARY EDUCATION

Prepared by Staff .

MINNESOTA HIGHER EDUCATION COORDINATING COMMISSION

APRIL 1973

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<u>State College System</u>	
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UNIVERSITY OF MINNESOTA SYSTEM, SIMULATION 1:

"PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES"

NOTE: Crookston and Waseca Simulation Adjusted
to Yield University's Low Range Estimate
of Enrollments

$$LD=L, UN=U, UC=G, HC=O=T, UNK=K$$

YEARS	12.5T	25.0T	37.5T	50.0T	LUGTK
72	G	L	T	T	
	G	L	T	T	
	G	L	T	T	
75	G	L	T	T	
	G	L	T	T	
	G	L	T	T	
80	G	L	T	T	UG
	G	L	T	T	
	G	L	T	T	
85	G	L	T	T	
	G	L	T	T	
	G	L	T	T	
89	G	L	T	T	UG
	G	L	T	T	
	G	L	T	T	

K = Unclassified

PAGE 10

$$UD=L, UD=U, UG=G, HCGD=T, UNK=K$$
[illegible]

TOTAL HEADCOUNT: U. of M., Duluth

1972 5487 *

1973 5317

1975 5704

1980 6029

1985 5060

1989 4593

*Actual Enrollment

LEGEND

T = Total Headcount

L = Lower Division

U = Upper Division

G = Graduate

K = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

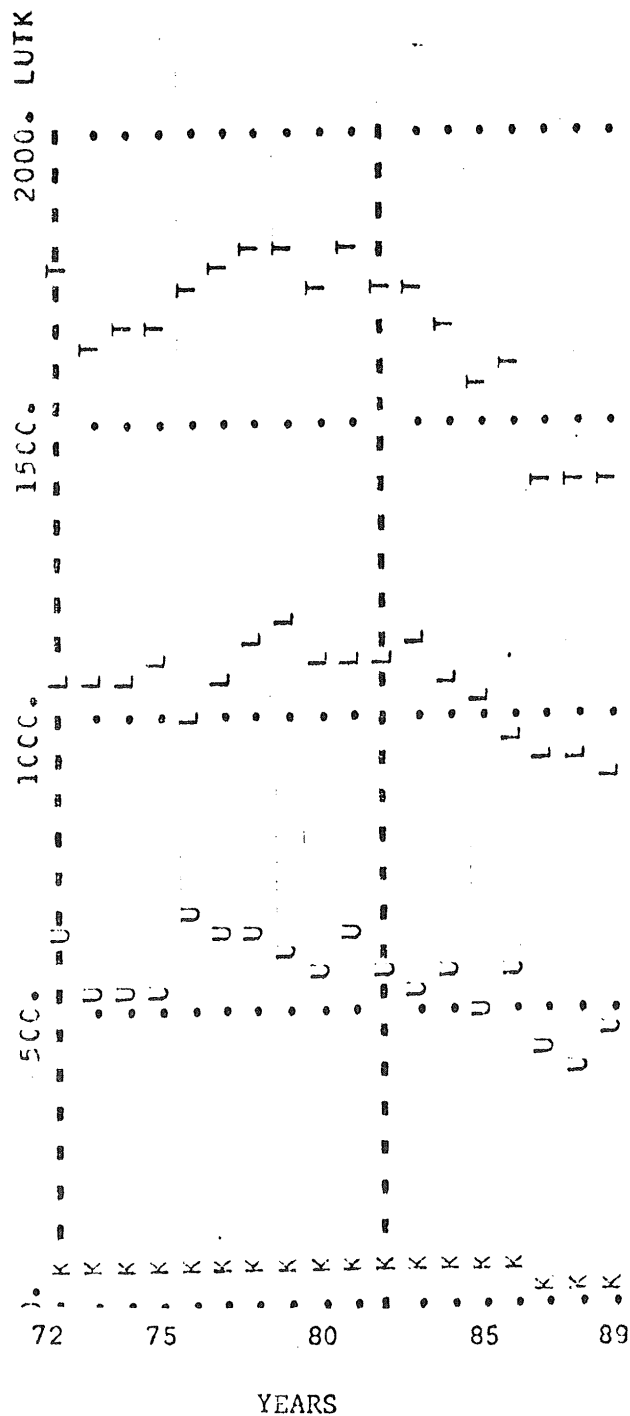
MORRIS CAMPUS

3/15/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 14

LD#L,LD#U,FCCCL#T,UNK#K



TOTAL HEADCOUNT: Morris Campus

1972 1763 *

1973 1644

1975 1682

1980 1734

1985 1583

1989 1406

*Actual Enrollment

LEGEND

T = Total Headcount

L = Lower Division

U = Upper Division

G = Graduate

K = Unclassified

ENROLLMENT PROJECTIONS, 1973-1989
USING UNIVERSITY'S LOW RANGE ESTIMATES OF ENROLLMENT

-A-5-

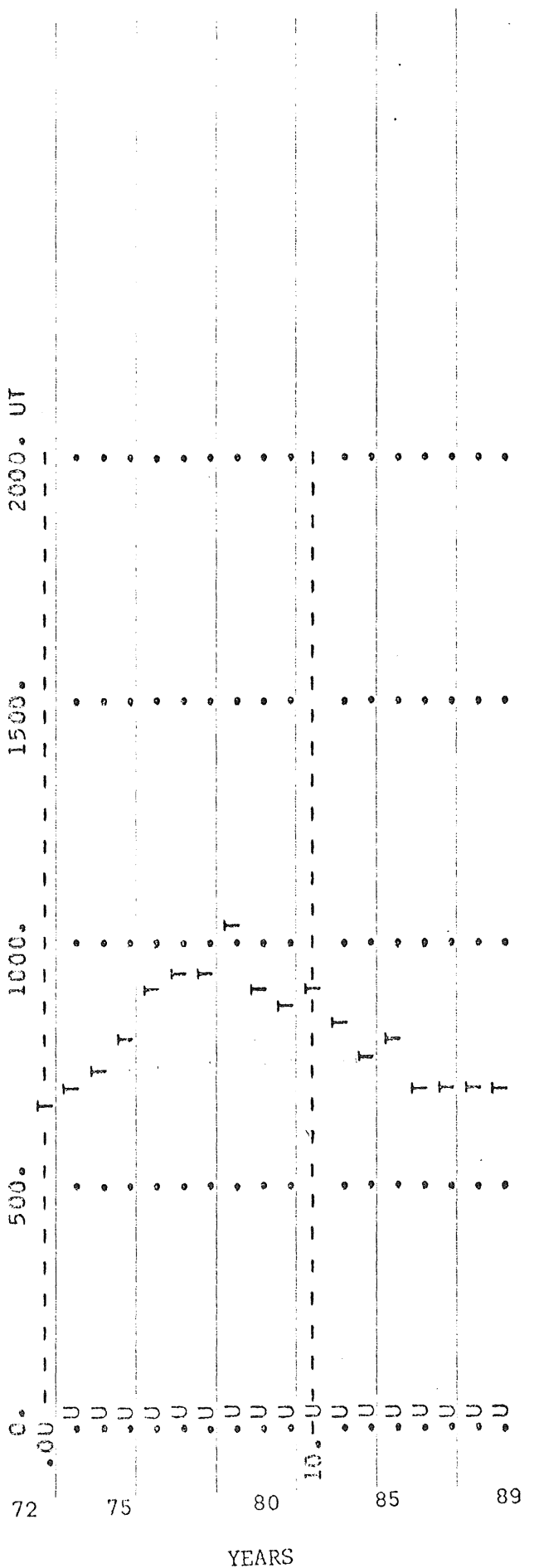
CROOKSTON CAMPUS

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 27

4/04/73

LNK=U, TOTAL 2=T



TOTAL HEADCOUNT: Crookston Campus

1972 638 *

1973 693

1975 774

1980 854

1985 753

1989 653

*Actual Enrollment

LEGEND

T = Total Headcount

U = Unclassified

ENROLLMENT PROJECTIONS, 1973-1989
USING UNIVERSITY'S LOW RANGE ESTIMATES OF ENROLLMENT

-A-6-

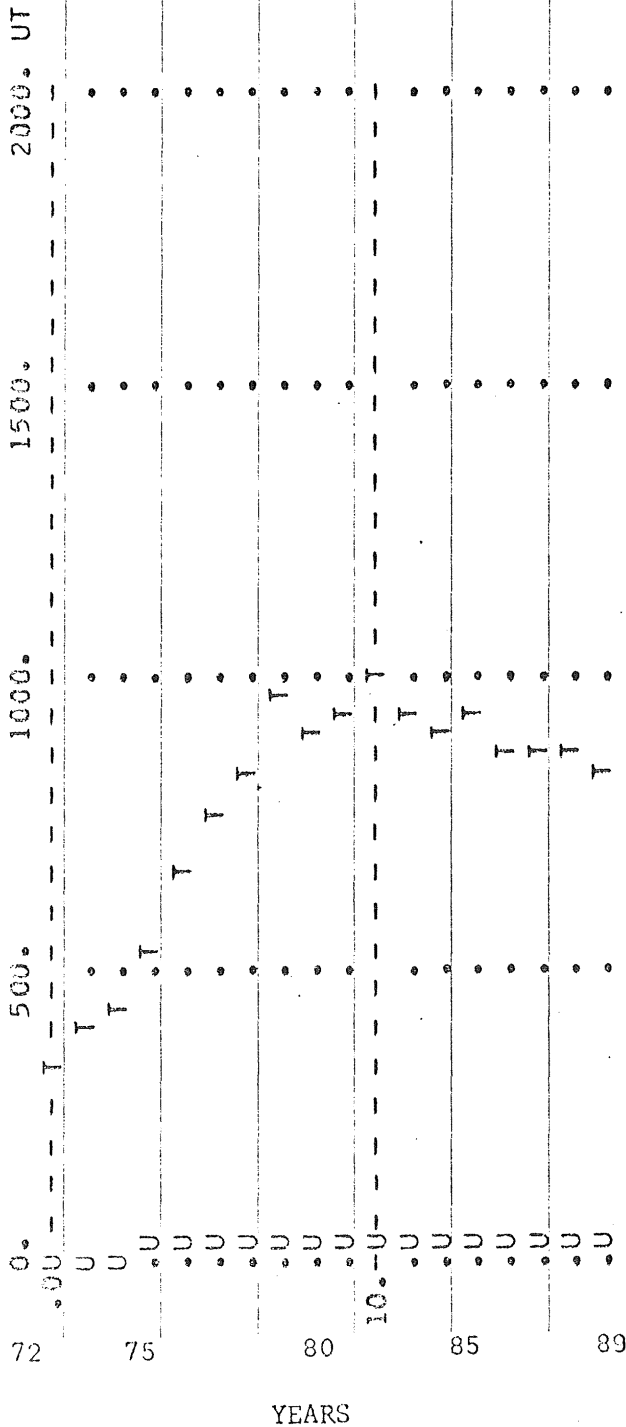
WASECA CAMPUS

4/04/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 34

LNK=U, TOTAL 2=T



TOTAL HEADCOUNT: Waseca Campus

1972 310 *

1973 389

1975 521

1980 870

1985 889

1989 810

*Actual Enrollment

LEGEND

T = Total Headcount

U = Unclassified

UNIVERSITY OF MINNESOTA SYSTEM, SIMULATION 2:

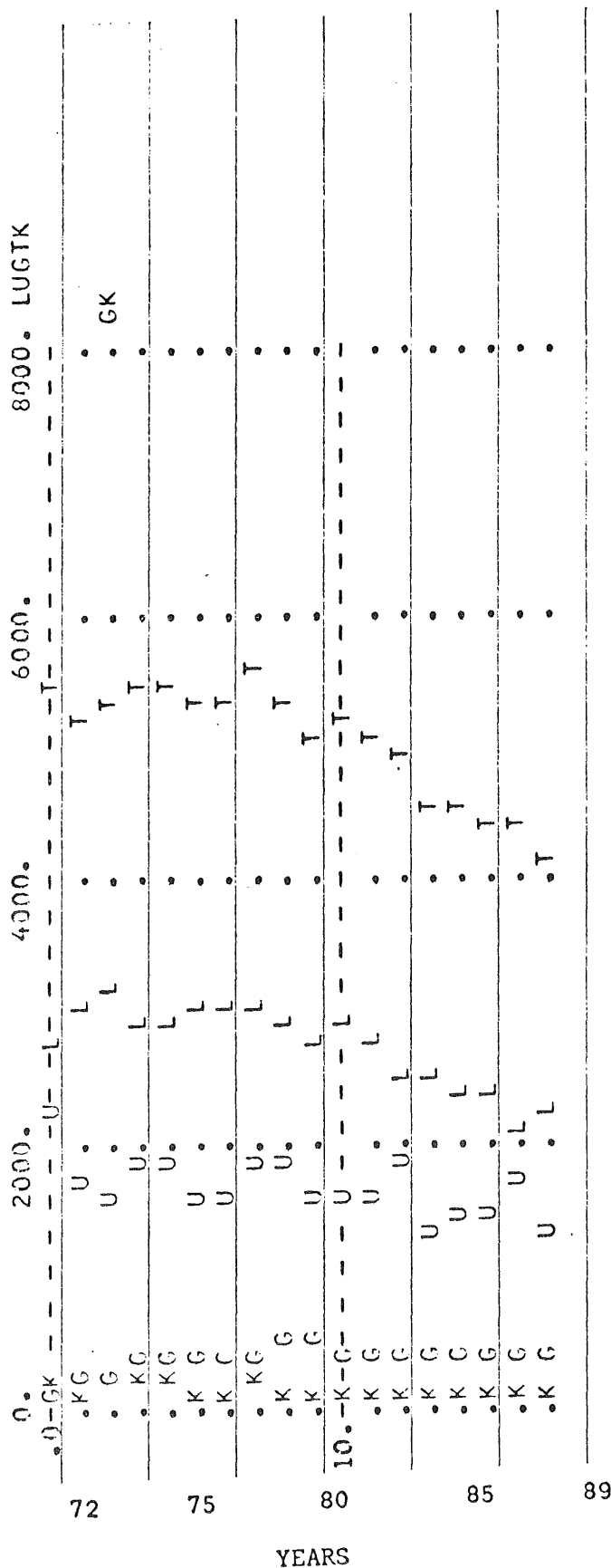
"PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES"

NOTE: Crookston and Waseca Simulation Adjusted
to Yield University's Low Range Projection
With Enrollment Limit at 1975 Goal

PROJECTED ENROLLMENTS 1973-1989 USING DECLINING PARTICIPATION RATES

PAGE 1 PROJECTIONS BY INSTITUTION 1973-1989 3/14/73 DULUTH CAMPUS

LD=L, UD=U, UC=G, HCCD=T, UNK=K



TOTAL HEADCOUNT: Duluth Campus

1972 5487 *

1973 5233

1975 5418

1980 5398

1985 4500

1989 4079

*Actual Enrollment

LEGEND

T = Total Headcount

L - Lower Division

U = Upper Division

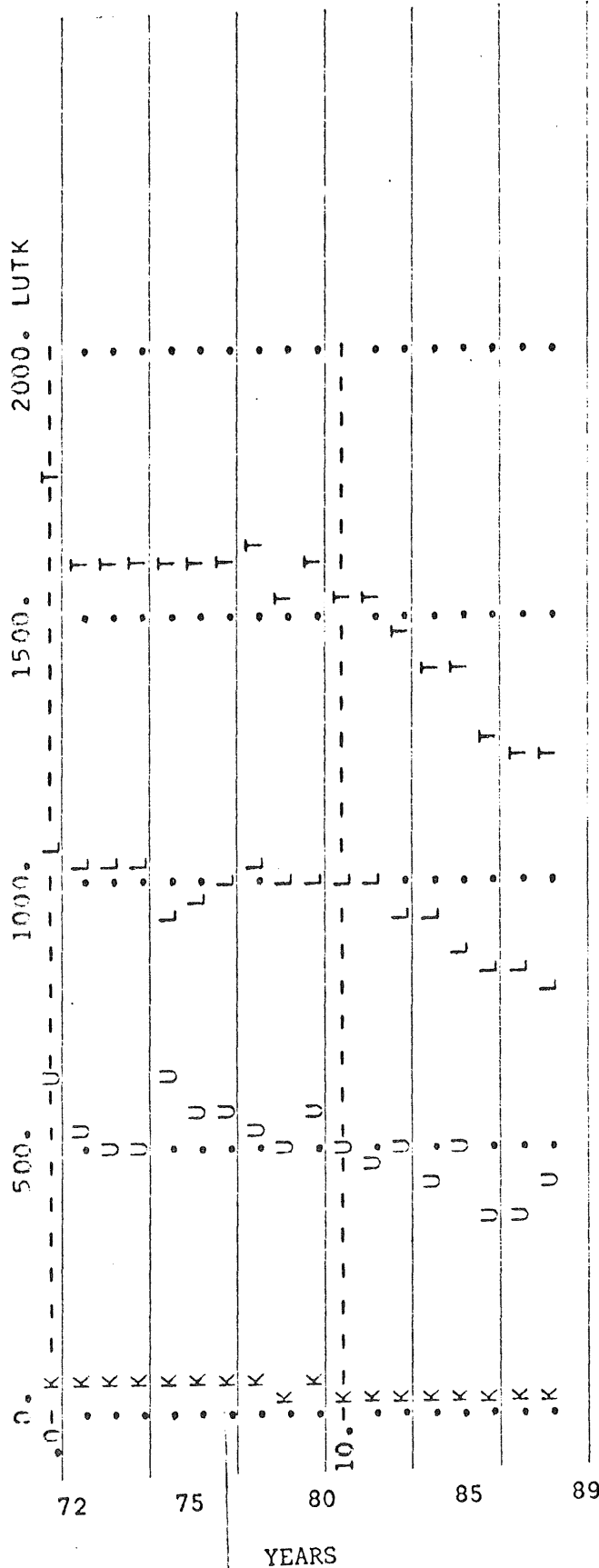
G = Graduate

K = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES.

PAGE 14 PROJECTIONS BY INSTITUTION 1973-1989 3/14/73 MORRIS CAMPUS

LD=L, UD=U, HCCOL=T, UNK=K



TOTAL HEADCOUNT: Morris Campus

1972 1763 *

1973 1613

1975 1583

1980 1542

1985 1404

1989 1247

*Actual Enrollment

LEGEND

T = Total Headcount

L = Lower Division

U = Upper Division

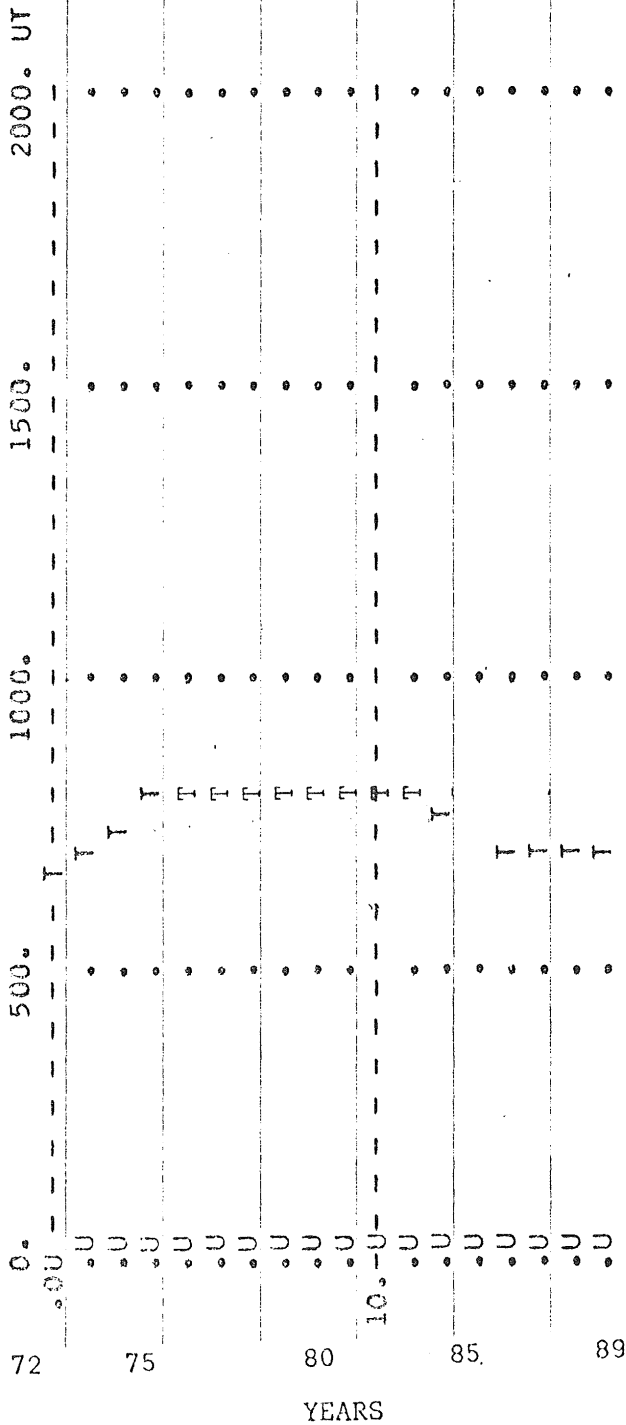
G = Graduate

K = Unclassified

ENROLLMENT PROJECTIONS, 1973-1989 USING UNIVERSITY'S LOW RANGE
ESTIMATES OF ENROLLMENT WITH ENROLLMENT LIMIT AT 1975 GOAL

PAGE 27 PROJECTIONS BY INSTITUTION 1973-1989 4/04/73 CROOKSTON CAMPUS

UNK=U, TOTAL2=T



TOTAL HEADCOUNT: Crookston Campus

1972 638 *

1973 693

1975 774

1980 774

1985 753

1989 653

*Actual Enrollment

LEGEND

T = Total Headcount

U = Unclassified

LEGISLATIVE REFERENCE LIBRARY
STATE OF MINNESOTA

ENROLLMENT PROJECTIONS, 1973-1989 USING UNIVERSITY'S LOW RANGE
ESTIMATES OF ENROLLMENT WITH ENROLLMENT LIMIT AT 1975 GOAL

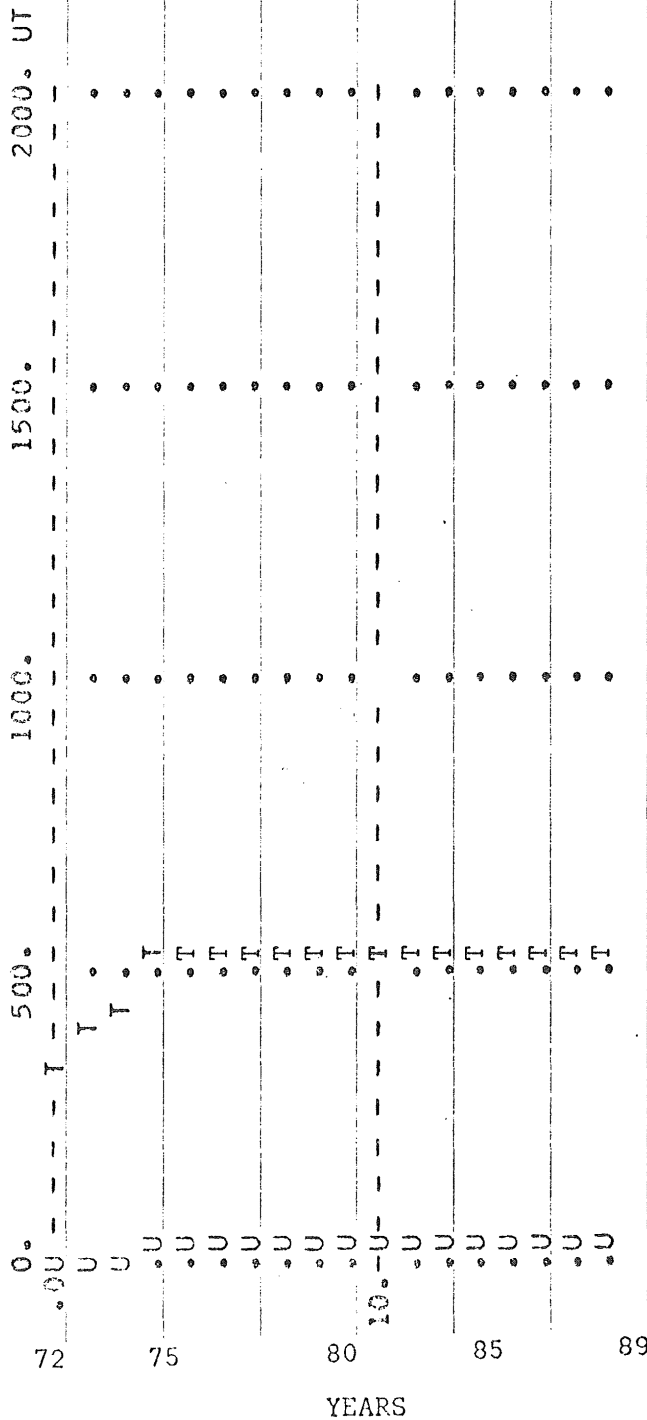
-A-12-

PAGE 34 PROJECTIONS BY INSTITUTION 1973-1989 WASECA CAMPUS

4/04/73

1973-1989

LNK=U, TOTAL2=T



TOTAL HEADCOUNT: Waseca Campus

1972 310 *

1973 389

1975 521

1980 521

1985 521

1989 521

*Actual Enrollment

LEGEND

T = Total Headcount

U = Unclassified

UNIVERSITY OF MINNESOTA SYSTEM, SIMULATION 3:

"PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979"

NOTE: Crookston and Waseca Simulation Adjusted to
Yield University's High Range Estimate

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

PAGE 5 PROJECTIONS BY INSTITUTION 1973-19 3/14/73 TWIN CITIES CAMPUS

$$LC=L, UC=U, LG=G, LCC=C, UCK=K$$

YEARS	72	75	80	85	89
00	00	00	00	00	00
01	01	01	01	01	01
02	02	02	02	02	02
03	03	03	03	03	03
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67	67	67	67	67	67
68					

TOTAL HEADCOUNT: Twin Cities Campus

1972 41698 *

1973 41001

1975 40645

1980 42190

1985 42420

1989 41735

*Actual Enrollment

LEGEND

T = Total Headcount

U = Upper Division

L = Lower Division

G = Graduate

K = Unclassified

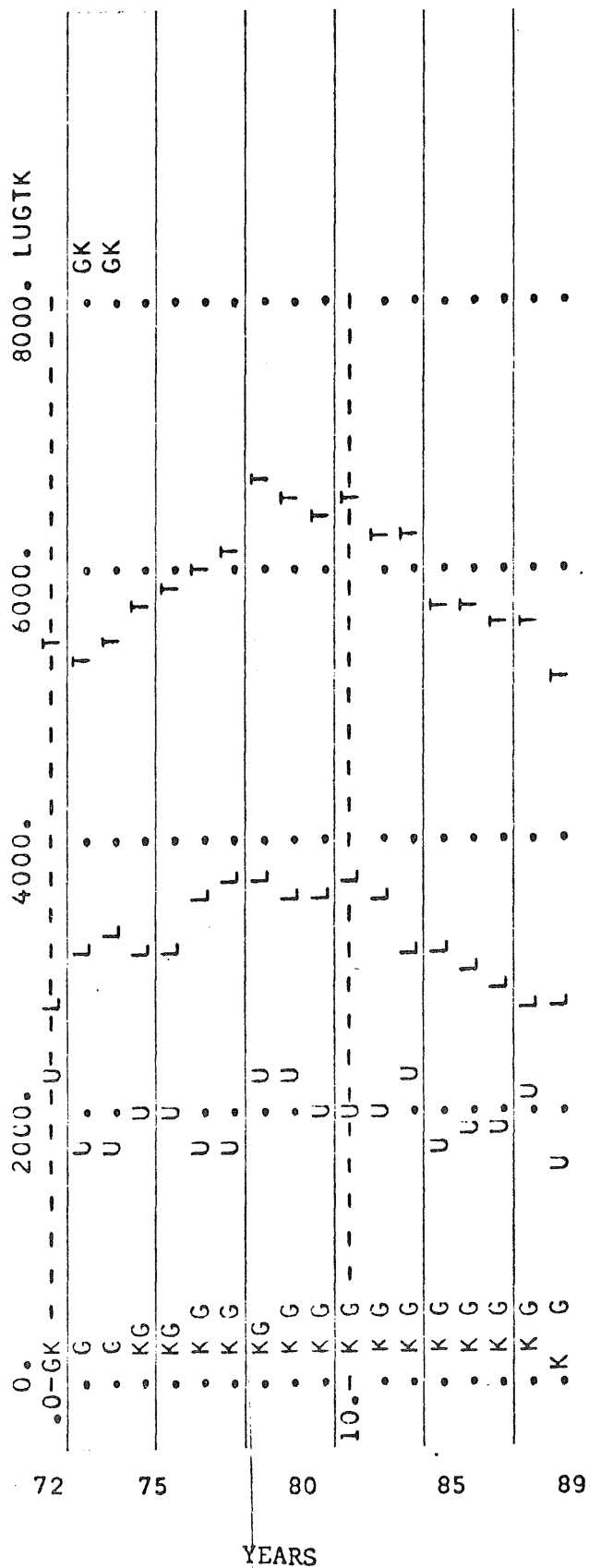
PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

DULUTH CAMPUS

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 10

LD=L, UC=U, UG=G, HGGC=T, UNK=K



TOTAL HEADCOUNT: Duluth Campus

1972 5487 *

1973 5317

1975 5730

1980 6559

1985 5713

1989 5208

*Actual Enrollment

LEGEND

T = Total Headcount

U = Upper Division

L = Lower Division

G = Graduate

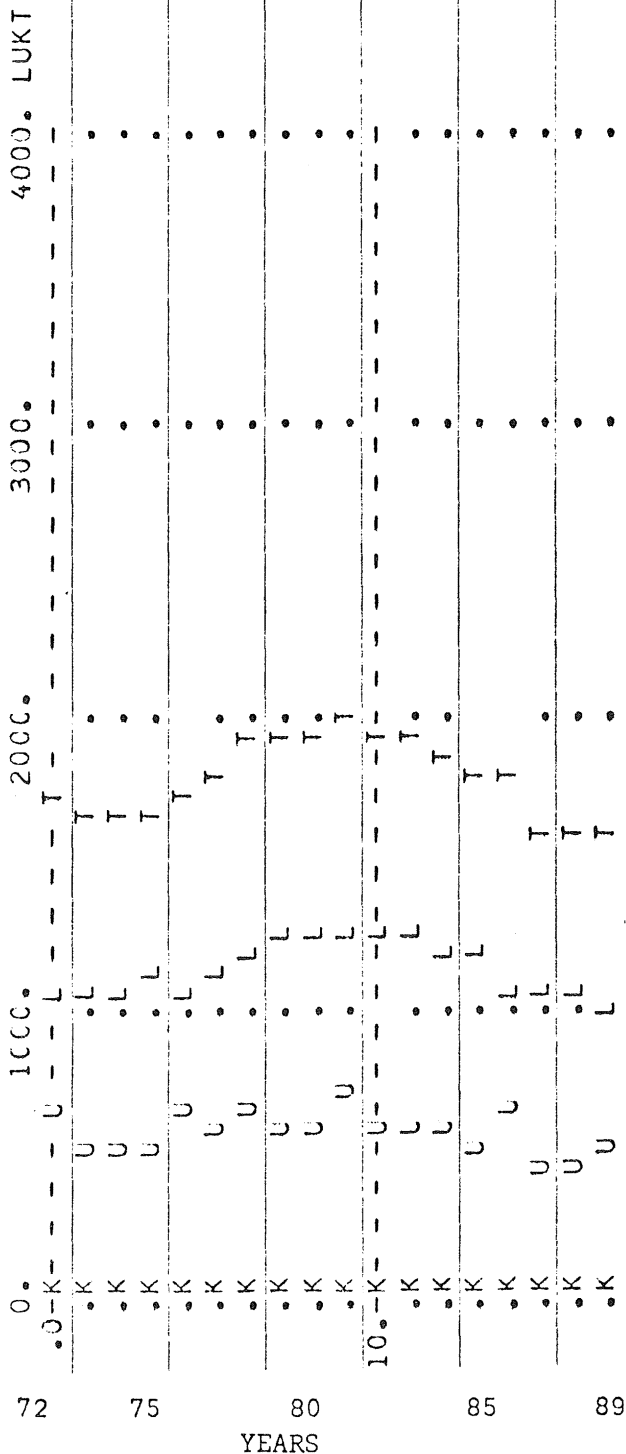
K = Unclassified

PROJECTED ENROLLMENTS 1972-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

PAGE 1 PROJECTIONS BY INSTITUTION 1973-1989 MORRIS CAMPUS

4/10/73

LC=L, UC=U, UNK=K, UNDER=T, FTESUM=



TOTAL HEADCOUNT Morris Campus

1972 1763 *

1973 1644

1975 1692

1980 1913

1985 1797

1989 1598

*Actual Enrollment

LEGEND

T = Total Headcount

U = Upper Division

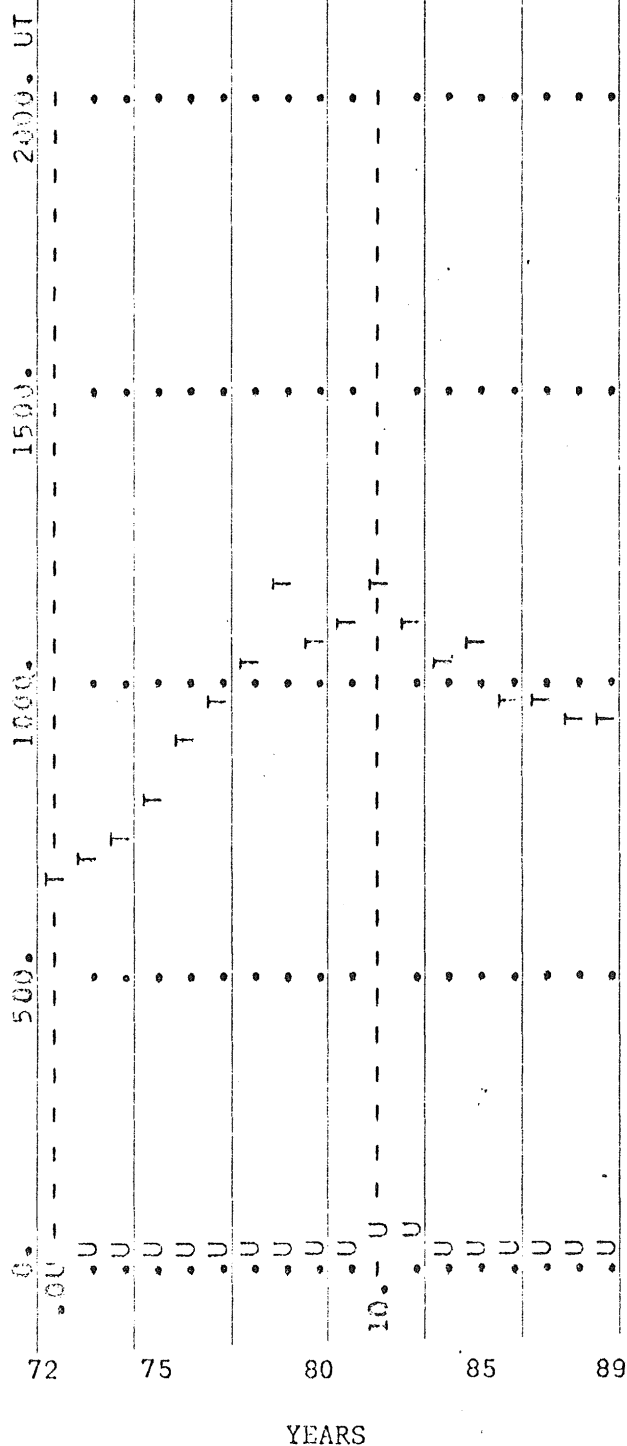
L = Lower Division

K = Unclassified

ENROLLMENT PROJECTIONS, 1973-1989
USING UNIVERSITY'S HIGH RANGE ESTIMATES OF ENROLLMENT

PAGE 27 PROJECTIONS BY INSTITUTION 1973-1989 4/04/73 CROOKSTON CAMPUS

LNK=U, TOTAL2=T



TOTAL HEADCOUNT: Crookston Campus

1972 638 *

1973 693

1975 774

1980 1034

1985 1010

1989 878

*Actual Enrollment

LEGEND

T = Total Headcount

U = Unclassified

ENROLLMENT PROJECTIONS, 1973-1989
USING UNIVERSITY'S HIGH RANGE ESTIMATES OF ENROLLMENT

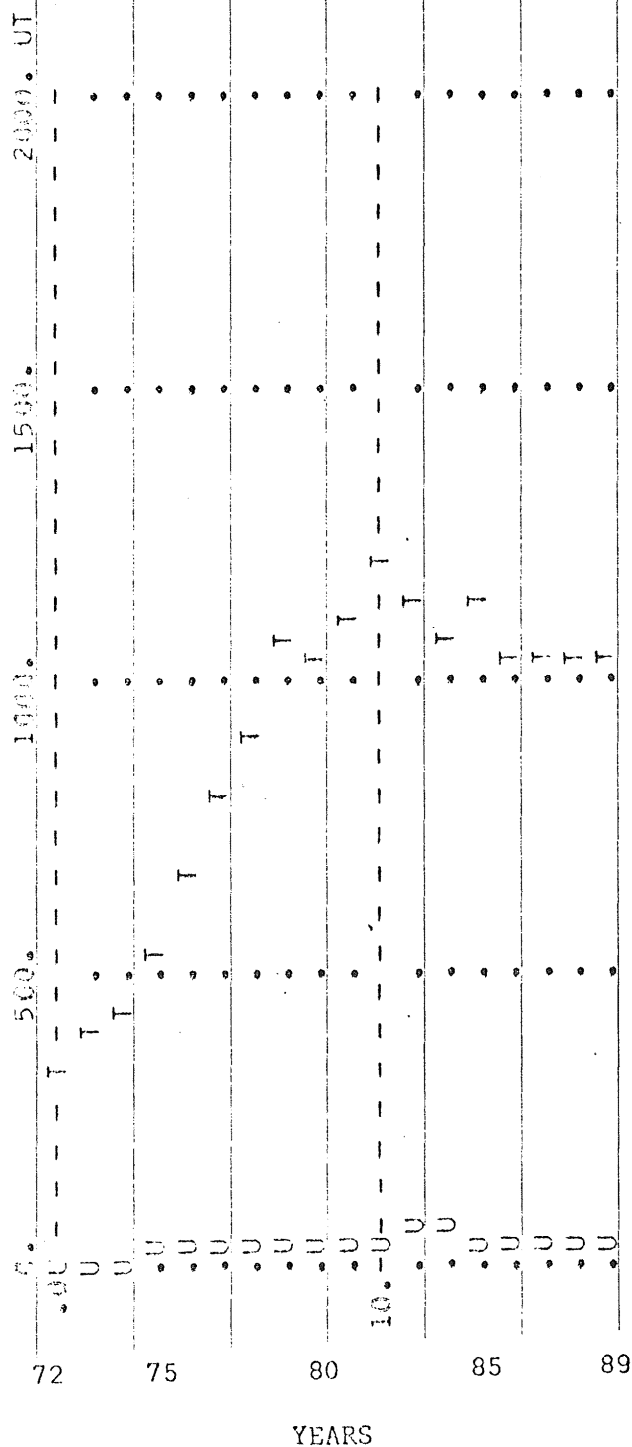
WASECA CAMPUS

4/64/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 34

UNK=U, TOTAL2=T



TOTAL HEADCOUNT: Waseca Campus

1972 310 *

1973 389

1975 521

1980 994

1985 1072

1989 978

*Actual Enrollment

LEGEND

T = Total Headcount

U = Unclassified

STATE COLLEGE SYSTEM, SIMULATION 1:

"PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES"

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 5 PROJECTIONS BY INSTITUTION 1973-1989 3/08/73 BEMIDJI STATE COLLEGE

LD=L, UD=U, UG=G, HCCGD=T, UNK=K

YEARS	0.	1250.	2500.	3750.	5000.	LUGTK
72	.K	.G	.U	.T	.T	.
75	.K	.G	.U	.T	.T	.
80	.K	.G	.U	.T	.T	.
85	.K	.G	.U	.T	.T	.
89	.K	.G	.U	.T	.T	.

TOTAL HEADCOUNT: Bemidji State College

1972 4549 *

1973 4455

1975 4295

1980 4321

1985 3887

1989 3650

*Actual Enrollment

LEGEND

T = Total Headcount

L = Lower Division

U = Upper Division

G = Graduate

K = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 15 PROJECTIONS BY INSTITUTION 1973-1989 3/08/73 MOORHEAD STATE COLLEGE

LD=L, UD=U, UG=G, HCGD=T, UNK=K

YEARS	0	0.5	1	1.5	2	2.5	5	7.5	10	10.5	11
72	G	G	G	G	G	L	T	.	.	GK	GK
75	G	G	G	G	G	L	T	.	.	GK	GK
80	G	G	G	G	G	L	T	.	.	GK	GK
85	G	G	G	G	G	L	T	.	.	GK	GK
89	G	G	G	G	G	L	T	.	.	GK	GK

TOTAL HEADCOUNT: Moorhead State College

1972 4780 *

1973 4468

1975 4316

1980 4313

1985 3689

1989 3429

*Actual Enrollment

LEGEND

T = Total Headcount

L = Lower Division

U = Upper Division

G = Graduate

K = Unclassified

PAGE 20 PROJECTIONS BY INSTITUTION 1973-1989 3/08/73 ST. CLOUD STATE COLLEGE

$$LD=L, UD=U, UG=G, HCGD=T, UNK=K$$

YEARS	0	2.5T	5.T	7.5T	10.T	LUGTK
72	0-K	-G-	-U-	-T-	-T-	-
	.K	G	U		T	.
	.K	G	U		T	.
	.K	G	U		T	.
75	.K	G	U		T	.
	.K	G	U		T	.
	.K	G	U		T	.
	.K	G	U		T	.
80	.K	G	U		T	.
	.K	G	U		T	.
	.K	G	U		T	.
10	0-K	-G-	-U-	-T-	-T-	-
	.K	G	U		T	.
	.K	G	U		T	.
	.K	G	U		T	.
85	.K	G	U		T	.
	.K	G	U		T	.
	.K	G	U		T	.
	.K	G	U		T	.
89	.K	G	U		T	.
	.K	G	U		T	.

TOTAL HEADCOUNT: St. Cloud State College

1972 9178 *

1973 8410

1975 7696

1980 7924

1985 7773

1989 7074

*Actual Enrollment

LEGEND

T = Total Headcount

L = Lower Division

U = Upper Division

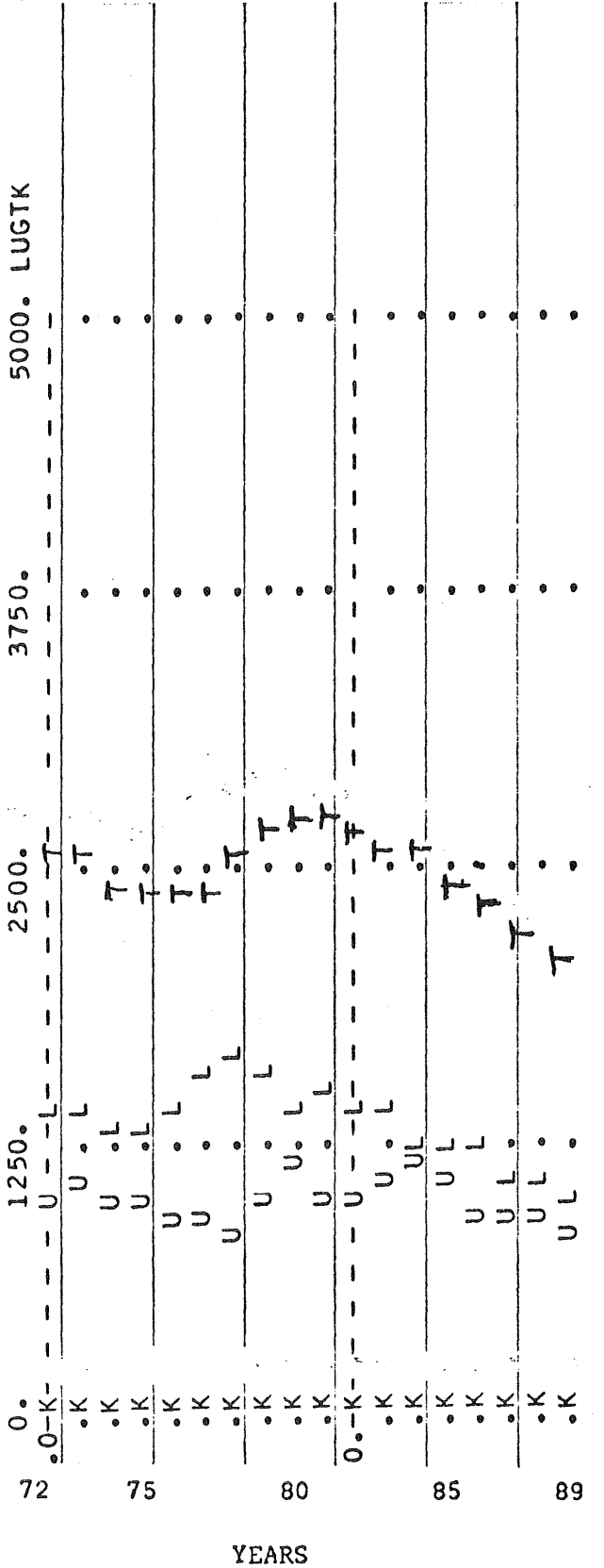
G = Graduate

K = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 24 PROJECTIONS BY INSTITUTION 1973-1989 3/08/73 SOUTHWEST STATE COLLEGE

LD=L, UD=U, UG=G, HCGD=T, UNK=K



TOTAL HEADCOUNT: Southwest State College

1972 2547 *

1973 2520

1975 2447

1980 2748

1985 2365

1989 1975

*Actual Enrollment

LEGEND

T = Total Headcount

L = Lower Division

U = Upper Division

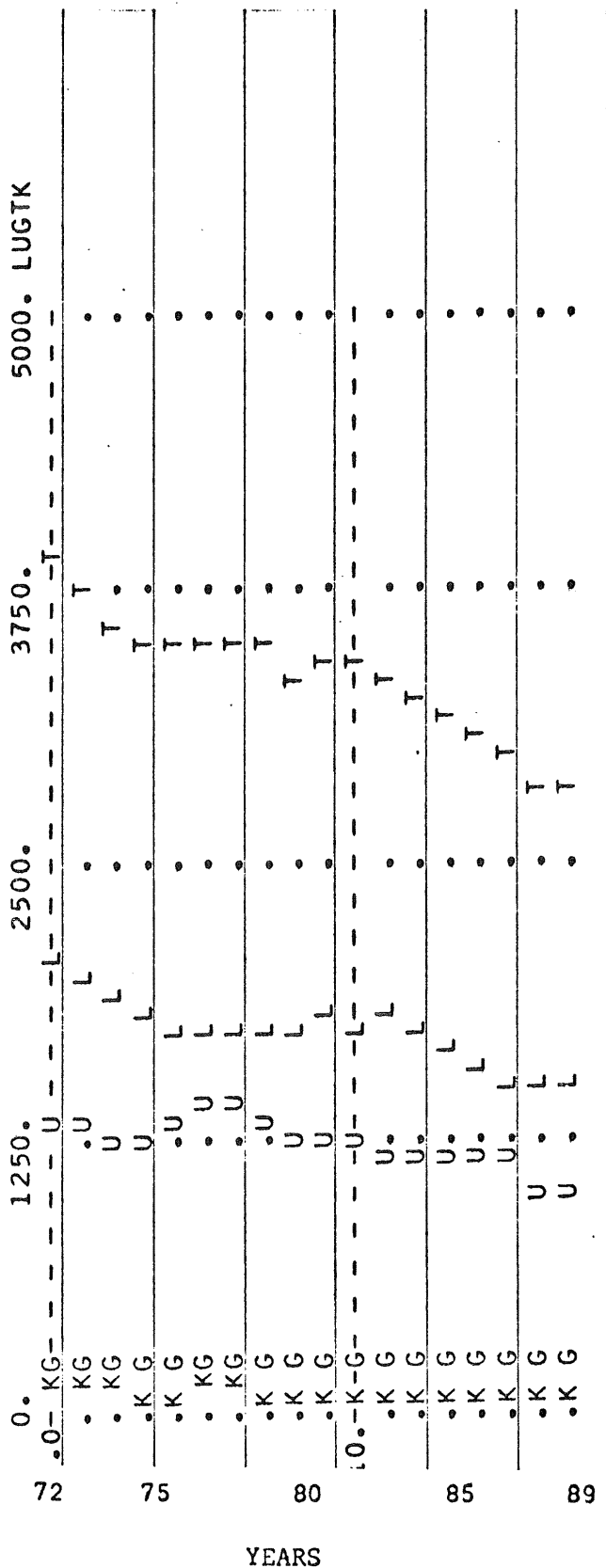
G = Graduate

K = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 29 PROJECTIONS BY INSTITUTION 1973-1989 3/08/73 WINONA STATE COLLEGE

LD=L, UD=U, UG=G, HCGD=T, UNK=K



TOTAL HEADCOUNT: Winona State College

1972 3887 *

1973 3719

1975 3487

1980 3351

1985 3177

1989 2800

*Actual Enrollment

LEGEND

T = Total Headcount

L = Lower Division

U = Upper Division

G = Graduate

K = Unclassified

STATE COLLEGE SYSTEM, SIMULATION 2:

"PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES"

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

PAGE 5 PROJECTIONS BY INSTITUTION 1973-1989 3/14/73 BEMIDJI STATE COLLEGE

LD=L, UD=U, UG=G, HCGD=T, UNK=K

YEARS	0.	2000.	4000.	6000.	8000.	LUGTK
72	.K G	U .L	T	.	.	.
	.K G	U .L	T	.	.	.
	.K G	U L	T.	.	.	.
75	.K G	U L.	T.	.	.	.
	.K G	U L.	T.	.	.	.
	.K G	U L.	T.	.	.	.
80	.K G	U L.	T.	.	.	.
	.K G	U L.	T.	.	.	.
	.K G	U L.	T.	.	.	.
10.	.K G	U L.	T.	.	.	.
	.K G	U L.	T.	.	.	.
	.K G	U L.	T.	.	.	.
85	.K G	U L.	T.	.	.	.
	.K G	U L.	T.	.	.	.
	.K G	U L.	T.	.	.	.
89	.K G	U L.	T.	.	.	.
	.K G	U L.	T.	.	.	.

TOTAL HEADCOUNT: Bemidji State College

1972 4549 *

1973 4349

1975 3929

1980 3464

1985 3057

1989 2861

*Actual Enrollment

LEGEND

T = Total Headcount

L - Lower Division

U = Upper Division

G = Graduate

K = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

PAGE 10 PROJECTIONS BY INSTITUTION 1973-1989 3/14/73 MANKATO STATE COLLEGE

$$LD=L, UD=U, UC=G, HCGD=T, UNK=K$$
[illegible]

TOTAL HEADCOUNT: Mankato State College

1972 10825 *

1973 10135

1975 8806

1980 6912

1985 6183

1989 5631

*Actual Enrollment

LEGEND

T = Total Headcount

L - Lower Division

U = Upper Division

G = Graduate

K = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

PAGE 15 PROJECTIONS BY INSTITUTION 1973-1980 3/14/73 MOORHEAD STATE COLLEGE

$LD=L, UD=U, UC=G, HCGD=T, UNK=K$

YEARS	0.	2000.	4000.	6000.	8000.	LUGTK
72	0.	0.	0.	0.	0.	GK
	0.	0.	0.	0.	0.	GK
	0.	0.	0.	0.	0.	GK
75	0.	0.	0.	0.	0.	GK
	0.	0.	0.	0.	0.	GK
	0.	0.	0.	0.	0.	GK
80	0.	0.	0.	0.	0.	GK
	0.	0.	0.	0.	0.	GK
	0.	0.	0.	0.	0.	GK
85	0.	0.	0.	0.	0.	GK
	0.	0.	0.	0.	0.	GK
	0.	0.	0.	0.	0.	GK
89	0.	0.	0.	0.	0.	GK
	0.	0.	0.	0.	0.	GK

TOTAL HEADCOUNT: Moorhead State College

1972 4780 *

1973 4362

1975 3950

1980 3469

1985 2913

1989 2701

*Actual Enrollment

LEGEND

T = Total Headcount

L - Lower Division

U = Upper Division

G = Graduate

K = Unclassified

$$T^{\dagger}T = I, U^{\dagger}U = I, UG = G, HCGC = T, U^{\dagger}N^{\dagger}K = K^{\dagger}$$

TOTAL HEADCOUNT: St. Cloud State College

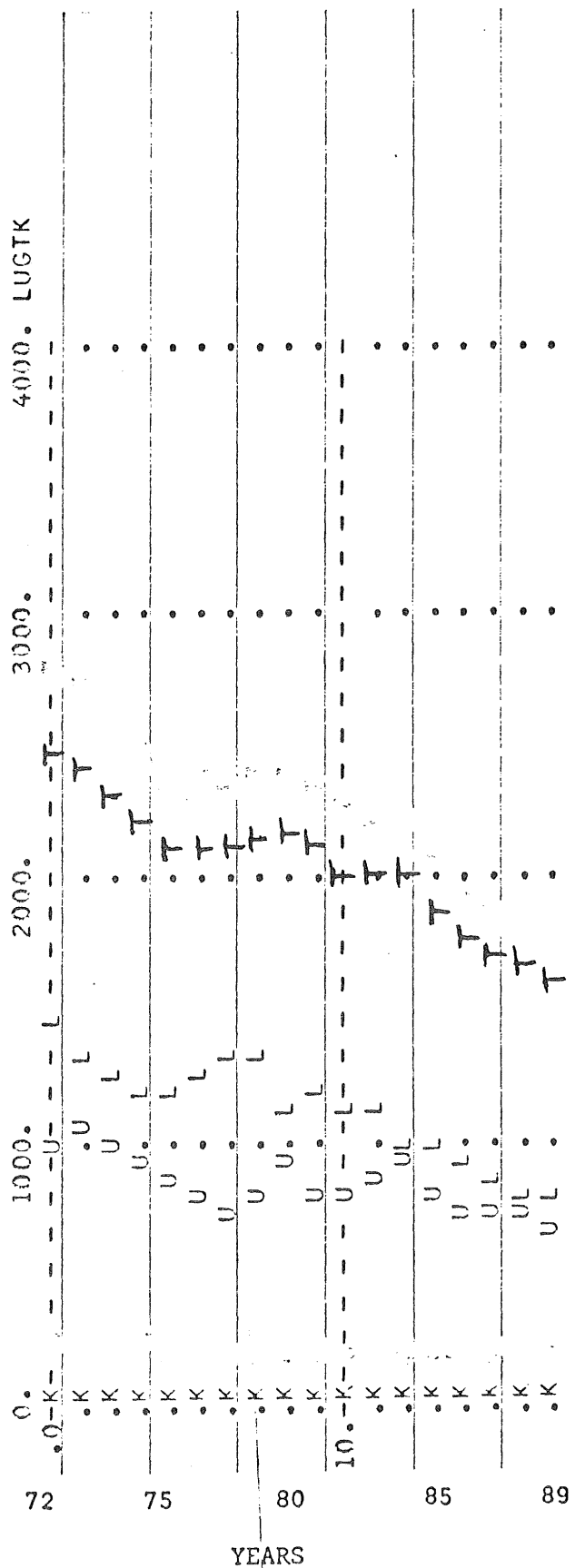
1989 5563

K = Unclassified

PROJECTED ENROLLMENTS 1973-1989 USING DECLINING PARTICIPATION RATES

PAGE 24 PROJECTIONS BY INSTITUTION 1973-1989 3/14/73 SOUTHWEST STATE COLLEGE

LP=L, UD=U, UG=G, HCGD=T, UNK=K



TOTAL HEADCOUNT: Southwest State College

1972 2547 *

1973 2454

1975 2221

1980 2202

1985 1869

1989 1558

*Actual Enrollment

LEGEND

T = Total Headcount

L = Lower Division

U = Upper Division

G = Graduate

K = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

PAGE 29 PROJECTIONS BY INSTITUTION 1973-1989 3/14/73 WINONA STATE COLLEGE

LD=L, UD=U, UC=G, HCGD=T, UNK=K

YEARS	0.	100.	200.	300.	400.	LUGTK
72	.0	0	0	0	0	0
73	.0	0	0	0	0	0
74	.0	0	0	0	0	0
75	.0	0	0	0	0	0
76	.0	0	0	0	0	0
77	.0	0	0	0	0	0
78	.0	0	0	0	0	0
79	.0	0	0	0	0	0
80	.0	0	0	0	0	0
81	.0	0	0	0	0	0
82	.0	0	0	0	0	0
83	.0	0	0	0	0	0
84	.0	0	0	0	0	0
85	.0	0	0	0	0	0
86	.0	0	0	0	0	0
87	.0	0	0	0	0	0
88	.0	0	0	0	0	0
89	.0	0	0	0	0	0

TOTAL HEADCOUNT: Winona State College

1972 3887 *

1973 3652

1975 3252

1980 2777

1985 2574

1989 2260

*Actual Enrollment

LEGEND

T = Total Headcount

L - Lower Division

U = Upper Division

G = Graduate

K = Unclassified

STATE COLLEGE SYSTEM, SIMULATION 3:

"PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979"

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

PAGE 5 PROJECTIONS BY INSTITUTION 1973-1989 3/14/73 BEMIDJI STATE COLLEGE

LD=L, UD=U, UG=G, HCGD=T, UNK=K

	0.	200.	400.	600.	800.	LUGTK
72	.0-KG	- - - U - L	- - - T	- - -	- - -	-
	.KG	U . L	. . .	. . .	. . .	.
75	.KG	U . L	. . .	. . .	. . .	.
	.KG	U . L	. . .	. . .	. . .	.
	.KG	U . L	. . .	. . .	. . .	.
	.K G	U . L	. . .	. . .	. . .	.
	.K G	U . L	. . .	. . .	. . .	.
	.K G	U . L	. . .	. . .	. . .	.
80	.K G	U . L	. . .	. . .	. . .	.
	.K G	U . L	. . .	. . .	. . .	.
	.K G	U . L	. . .	. . .	. . .	.
10.	.K-G	- - - U - L	- - - T	- - -	- - -	-
	.K G	U . L	. . .	. . .	. . .	.
	.K G	U . L	. . .	. . .	. . .	.
	.K G	U . L	. . .	. . .	. . .	.
85	.K G	U . L	. . .	. . .	. . .	.
	.K G	U . L	. . .	. . .	. . .	.
	.K G	U . L	. . .	. . .	. . .	.
	.K G	U . L	. . .	. . .	. . .	.
89	.K G	U . L	. . .	. . .	. . .	.

TOTAL HEADCOUNT: Bemidji State College

1972 4549 *

1973 4455

1975 4349

1980 5209

1985 5081

1989 4819

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

1970 TO 1989
COLLECTION OF INFORMATION 1970-1989 5/14/73 MANKATO STATE COLLEGE

LD=L, UN=U, UG=G, HCGD=T, UNK=K

	0	5.T	10.T	15.T	20.T	LUGTK
72	.0 -K- -G- G	-UL U L	-T T	-T T	-T T	-T T
75	.K -K -K -K	U U U U	T T T T	T T T T	T T T T	T T T T
80	.K -K -K -K	U U U U	T T T T	T T T T	T T T T	T T T T
85	.K -K -K -K	U U U U	T T T T	T T T T	T T T T	T T T T
89	.K -K -K -K	U U U U	T T T T	T T T T	T T T T	T T T T

TOTAL HEADCOUNT: Mankato State College

1972 10825 *

1973 10275

1975 9371

1980 9391

1985 9488

1989 8895

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

PAGE 15 PROJECTIONS BY INSTITUTION 1973-1989 3/14/73 MOORHEAD STATE COLLEGE

LD=L, UD=U, UG=G, HCGD=T, UNK=K

	2000.	4000.	6000.	8000.	LUGTK
72	.G	.L	.T	.GK	.GK
75	.G	.L	.T	.GK	.GK
80	.G	.L	.T	.GK	.GK
85	.G	.L	.T	.GK	.GK
89	.G	.L	.T	.GK	.GK

TOTAL HEADCOUNT: Moorhead State College

1972 4780 *

1973 4468

1975 4370

1980 5180

1985 4805

1989 4509

*Actual Enrollment

LEGEND

L = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

PAGE 20 PROJECTIONS BY INSTITUTION 1973-1989 3/14/73 ST. CLOUD STATE COLLEGE

LD=L, UD=U, UC=G, HCGD=T, UNK=K

YEARS	72	75	80	85	89
0	0	0	0	0	0
10	10	10	10	10	10
15	15	15	15	15	15
20	20	20	20	20	20
25	25	25	25	25	25
30	30	30	30	30	30
35	35	35	35	35	35
40	40	40	40	40	40
45	45	45	45	45	45
50	50	50	50	50	50
55	55	55	55	55	55
60	60	60	60	60	60
65	65	65	65	65	65
70	70	70	70	70	70
75	75	75	75	75	75
80	80	80	80	80	80
85	85	85	85	85	85
89	89	89	89	89	89

TOTAL HEADCOUNT: St. Cloud State College

1972 9179 *

1973 8410

1975 7787

1980 9480

1985 10076

1989 9283

*Actual Enrollment

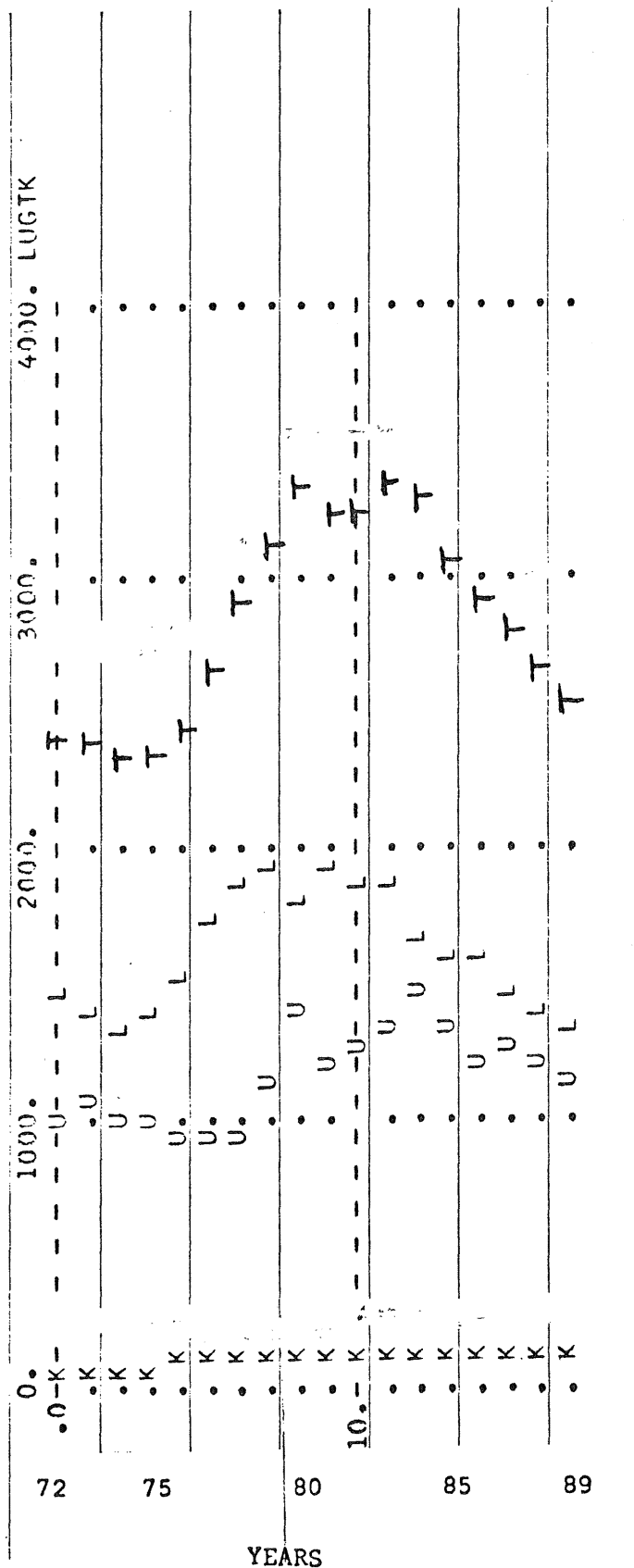
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 LINEAR INCREASE OF PARTICIPATION RATES TO
 1970 VALUE BY 1979

PAGE 24 PROJECTIONS BY INSTITUTION 1973-1989 3/14/73 SOUTHWEST STATE COLLEGE

LC=L, UD=U, UG=G, HCGD=T, UNK=K



TOTAL HEADCOUNT: Southwest State College

1972 2547 *

1973 2520

1975 2481

1980 3303

1985 3082

1989 2596

*Actual Enrollment

LEGEND

T= Total Headcount

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

PAGE 29 PROJECTIONS BY INSTITUTION 1973-1989 3/14/73 WINONA STATE COLLEGE

LC=L, UD=U, UC=G, PCCD=T, UNK=K

YEARS	0.	2000.	4000.	6000.	8000.	LUGTK
72	.0-KG	U	T			
75	.KG	U	T			
80	.KG	U	T			
85	.KG	U	T			
89	.KG	U	T			

TOTAL HEADCOUNT: Winona State College

1972 3887 *

1973 3719

1975 3522

1980 3935

1985 4037

1989 3597

*Actual Enrollment

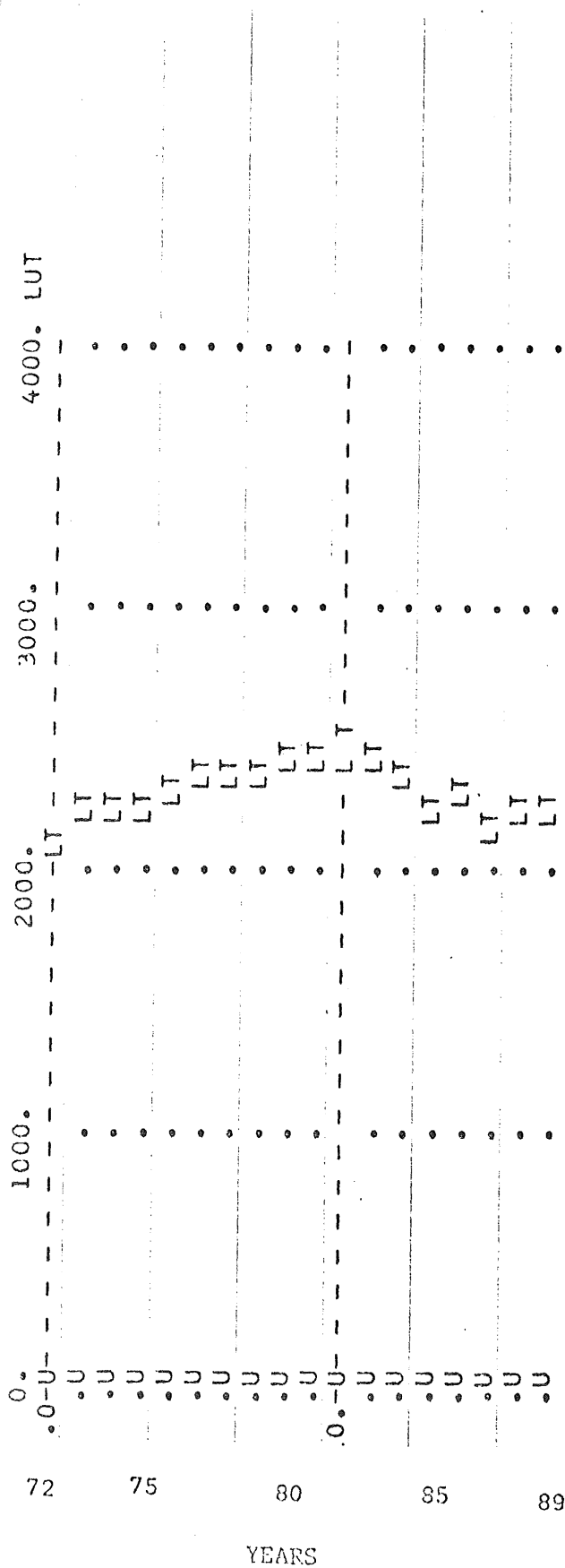
LEGEND

L = Total Headcount

JUNIOR COLLEGE SYSTEM, SIMULATION 1:

"PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES"

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES



TOTAL HEADCOUNT: Anoka-Ramsey SJC

1972 2160 *

1973 2236

1975 2260

1980 2465

1985 2292

1989 2273

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

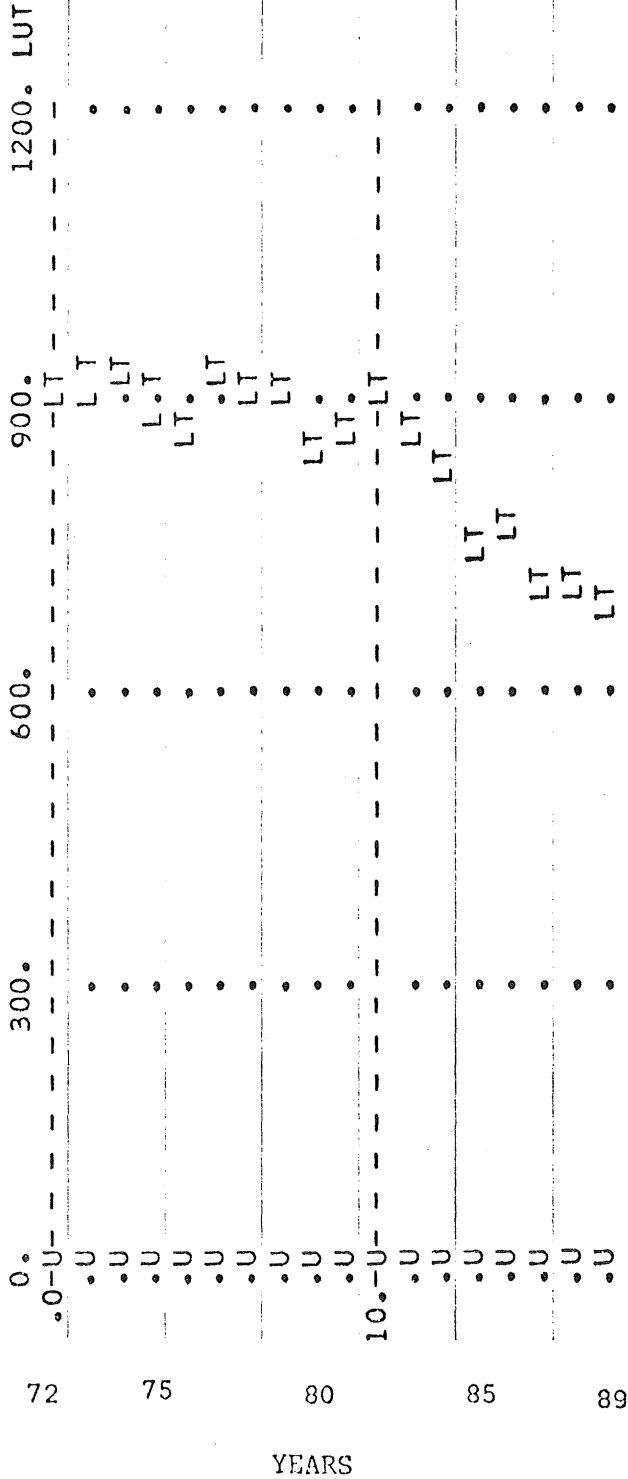
AUSTIN JC

3/27/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 10

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Austin SJC

1972 927 *

1973 934

1975 912

1980 856

1985 768

1989 704

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

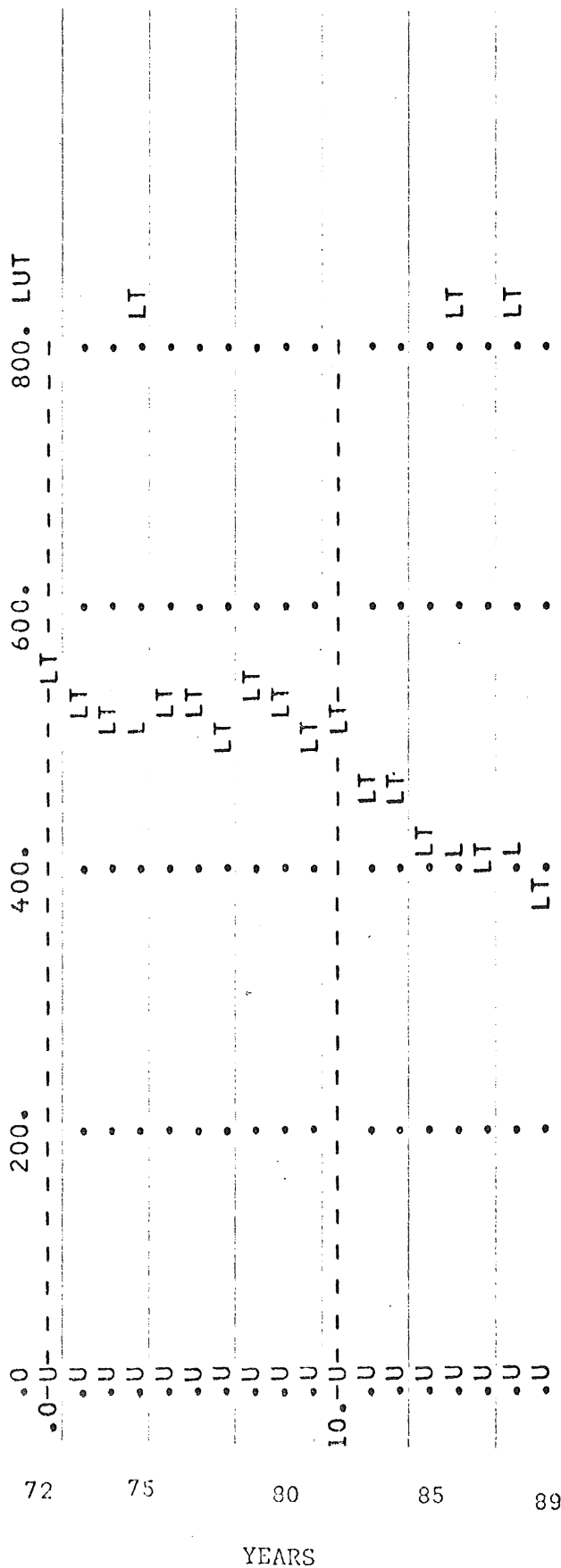
U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 15 PROJECTIONS BY INSTITUTION 1973-1989 BRAINERD JC

3/27/73

10=1, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Brainerd SJC

1972 565 *

1973 538

1975 512

1980 526

1985 429

1989 387

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

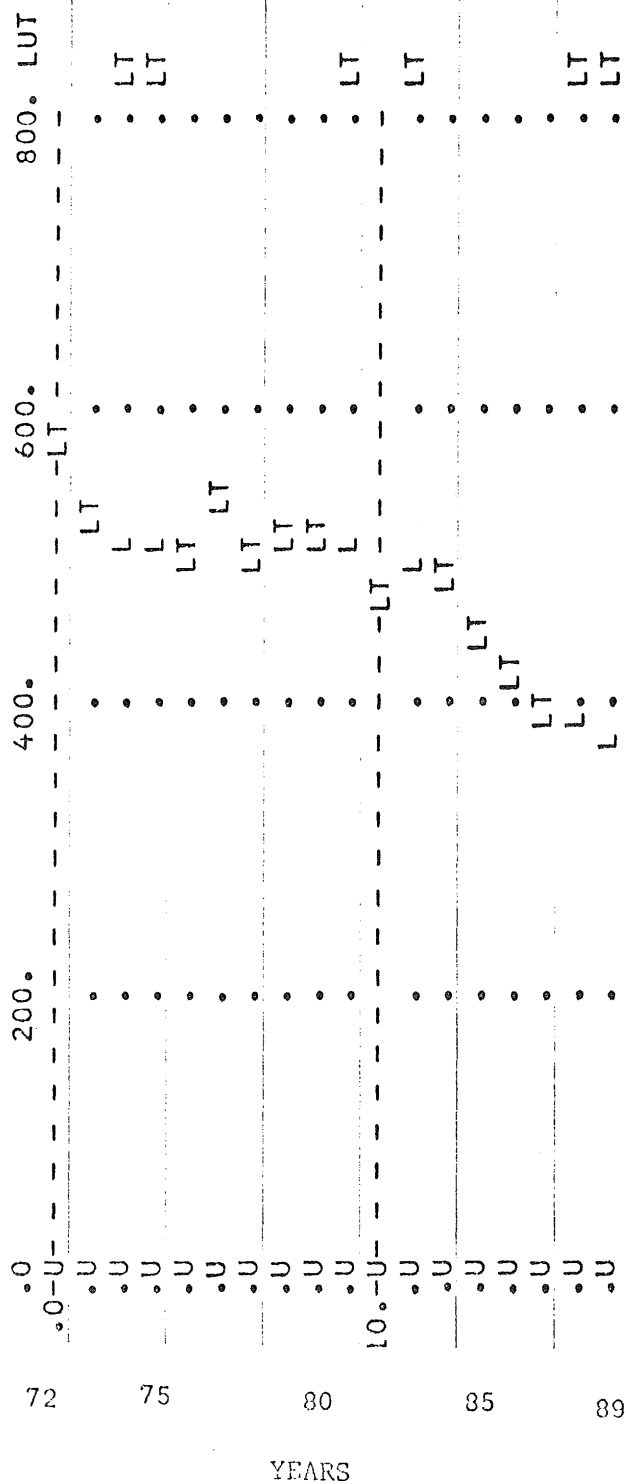
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 20 PROJECTIONS BY INSTITUTION 1973-1989 3/27/73 FERGUS FALLS JC

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Fergus Fall SJC

1972 590 *

1973 533

1975 511

1980 522

1985 451

1989 377

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

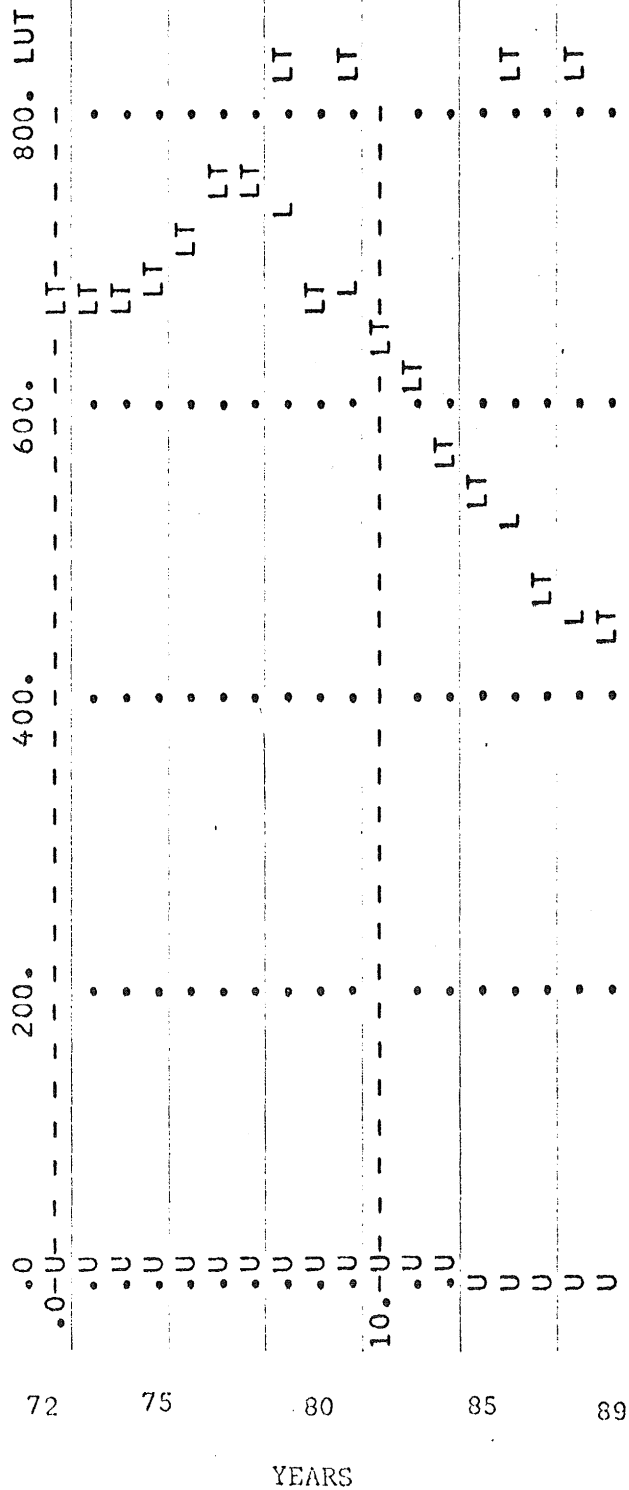
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 25 PROJECTIONS BY INSTITUTION 1973-1989 3/27/73 HIBBING JC

LD=L,U,UNK=U,TOTAL=T



TOTAL HEADCOUNT: Hibbing SJC

1972 675 *

1973 677

1975 691

1980 677

1985 541

1989 448

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

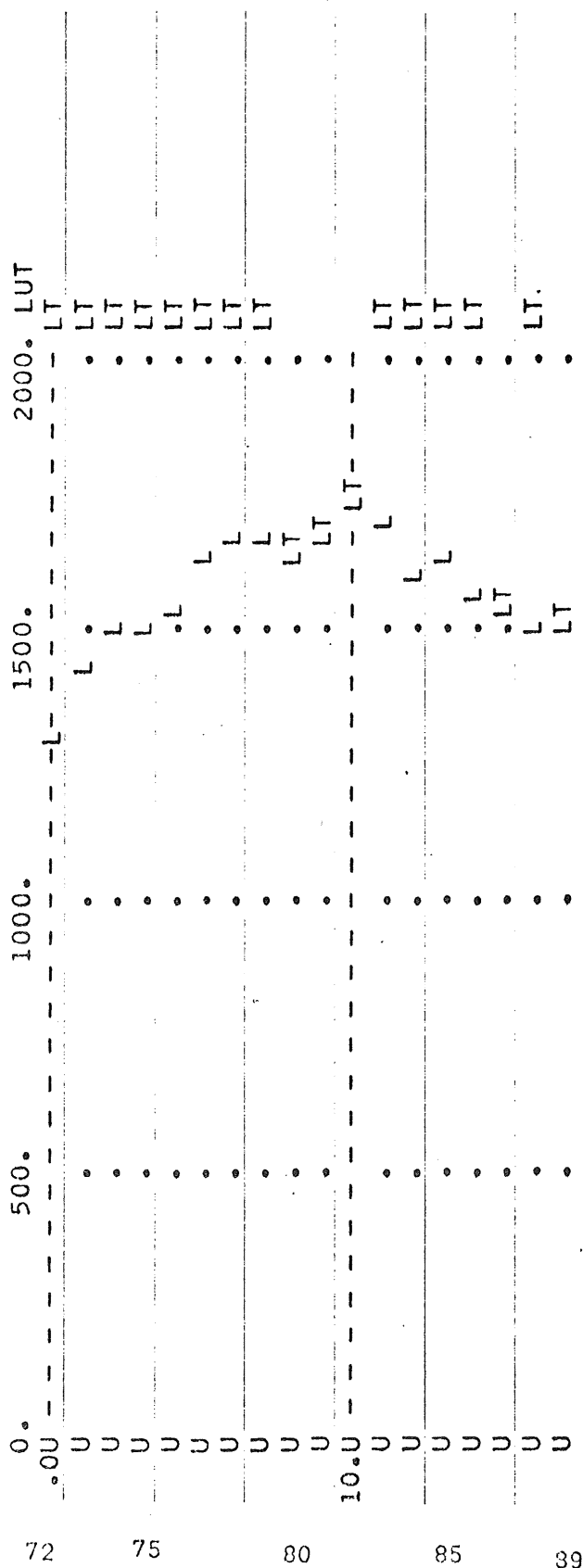
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 30 PROJECTIONS BY INSTITUTION 1973-1989 3/27/73 INVER HILLS JC

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Inver Hills SJC

1972 1313 *

1973 1434

1975 1509

1980 1665

1985 1636

1989 1519

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

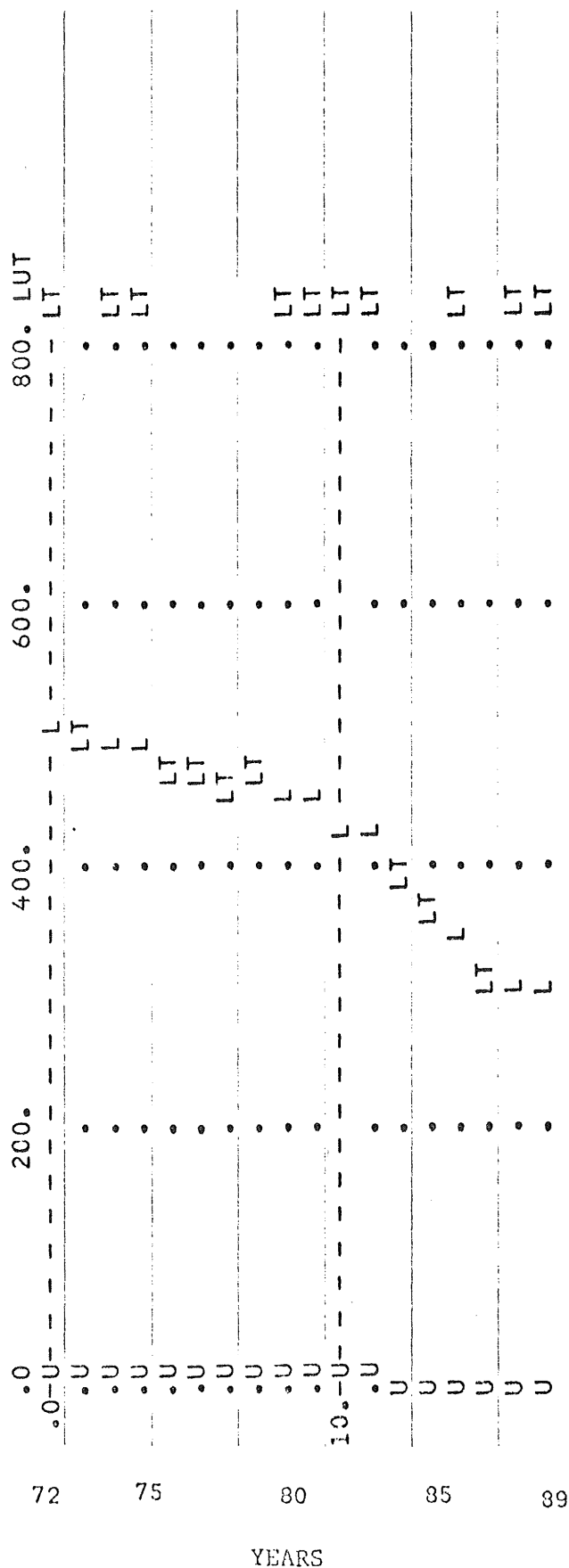
U = Unclassified

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 1 PROJECTIONS BY INSTITUTION 1973-89 3/27/73 ITASCA JC

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Itasca SJC

1972 512 *

1973 500

1975 495

1980 454

1985 368

1989 309

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

LAKEWOOD

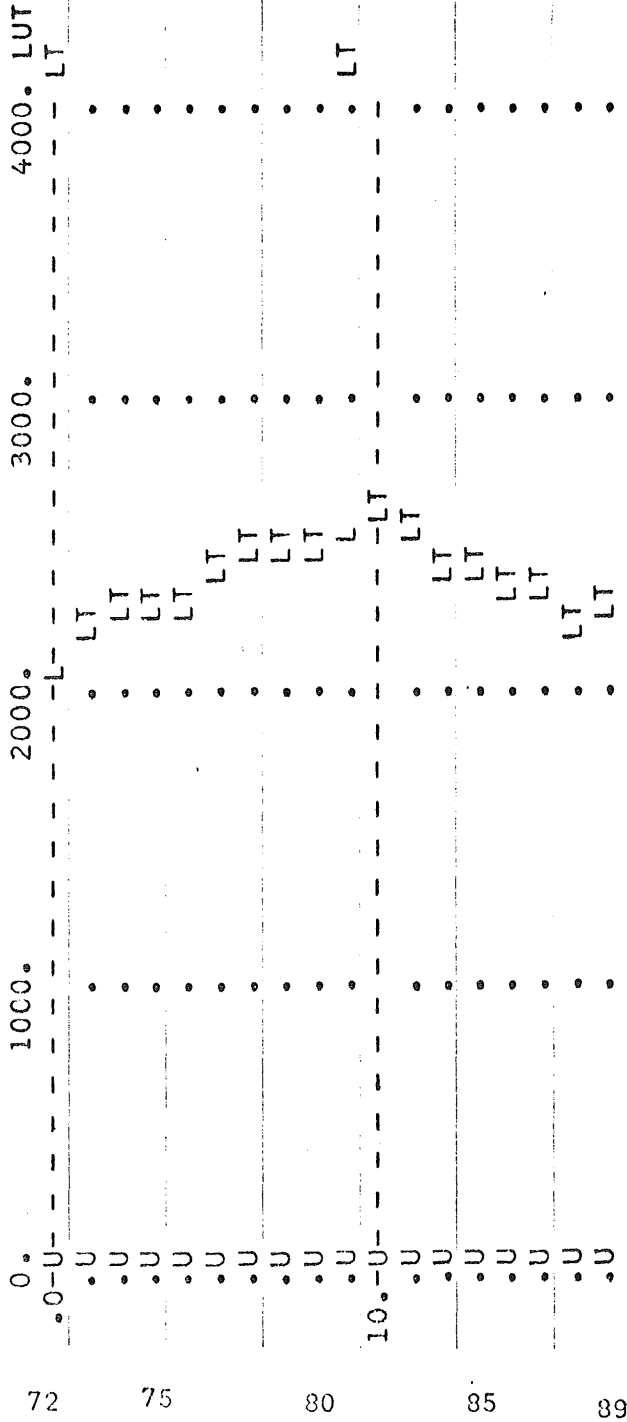
3/27/73

1979

PROJECTIONS BY INSTITUTION 1973-1979

PAGE 40

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Lakewood SJC

1972 2096 *

1973 2239

1975 2312

1980 2529

1985 2483

1989 2305

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

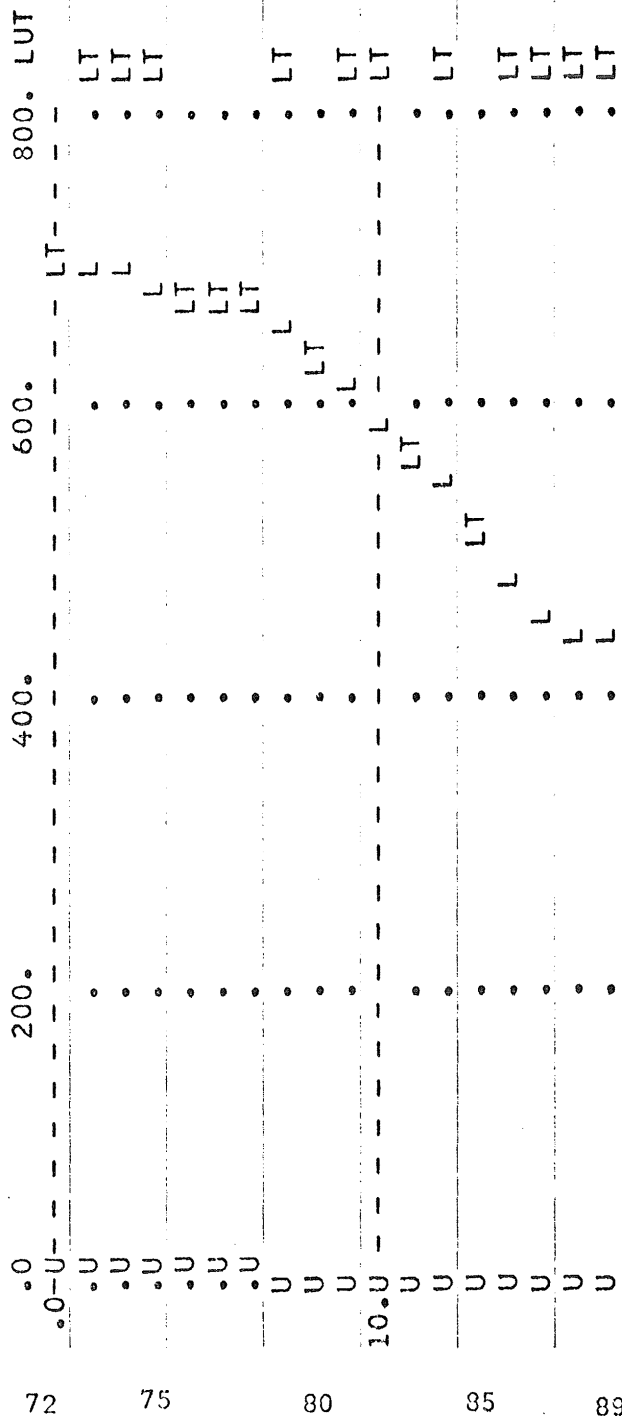
MESABI

3/27/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 45

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Mesabi SJC

1972 705 *

1973 697

1975 680

1980 634

1985 516

1989 439

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

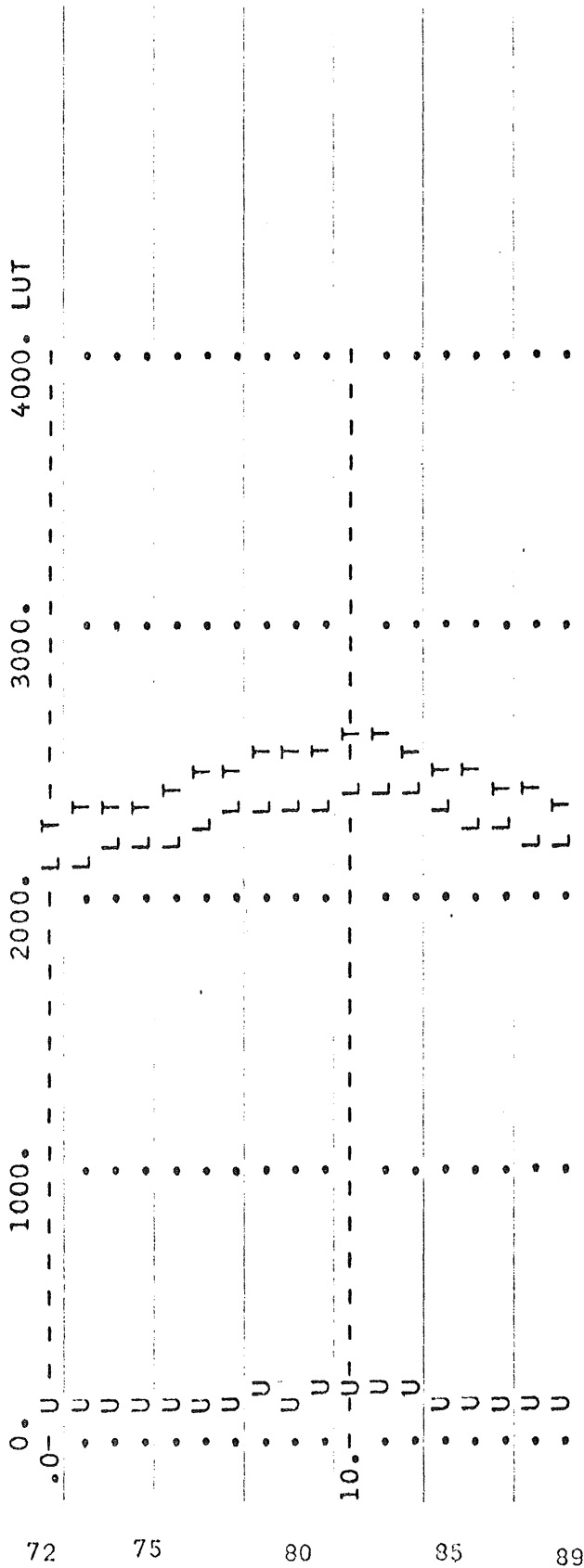
METRO JC

3/27/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 50

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Metro SJC

1972 2254 *

1973 2304

1975 2360

1980 2500

1985 2476

1989 2336

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

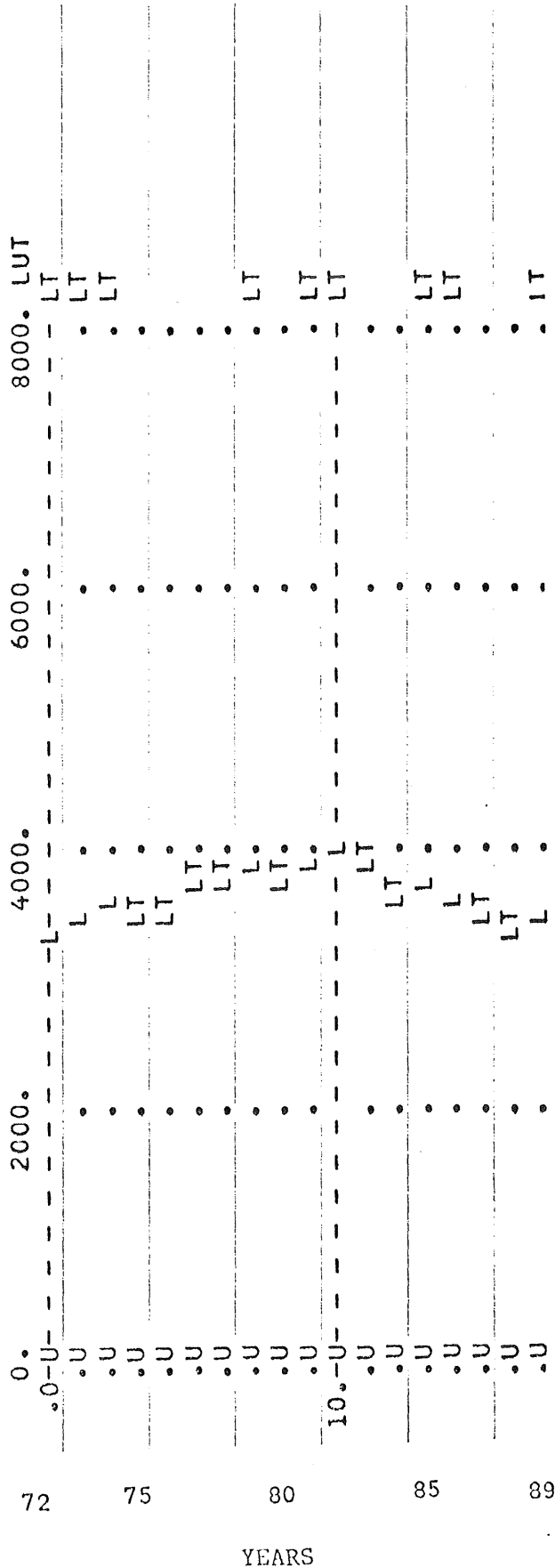
NORMANDALE JC

3/27/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 55

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Normandale SJC

1972 3380 *

1973 3529

1975 3569

1980 3852

1985 3768

1989 3493

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

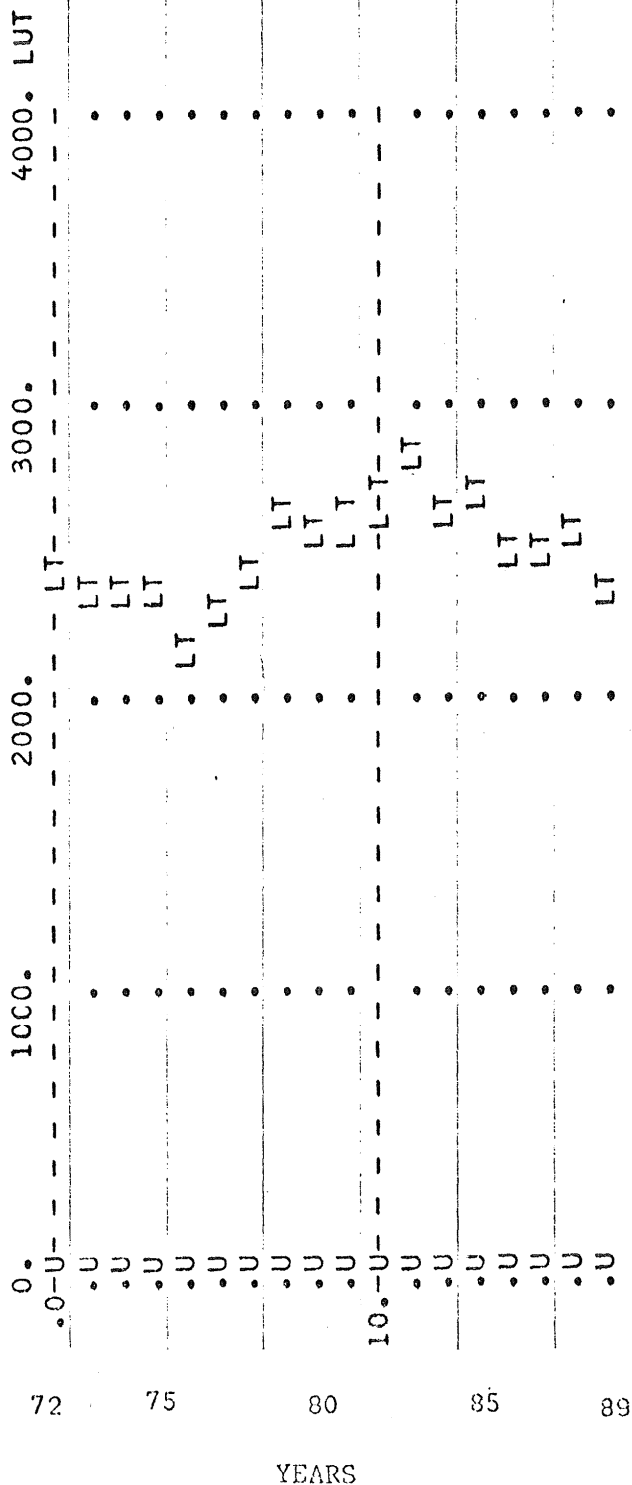
U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 60 PROJECTIONS BY INSTITUTION 1973-1989 NORTH HENNEPIN JC

3/27/73

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: North Hennepin SJC

1972 2478 *

1973 2407

1975 2405

1980 2581

1985 2733

1989 2427

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

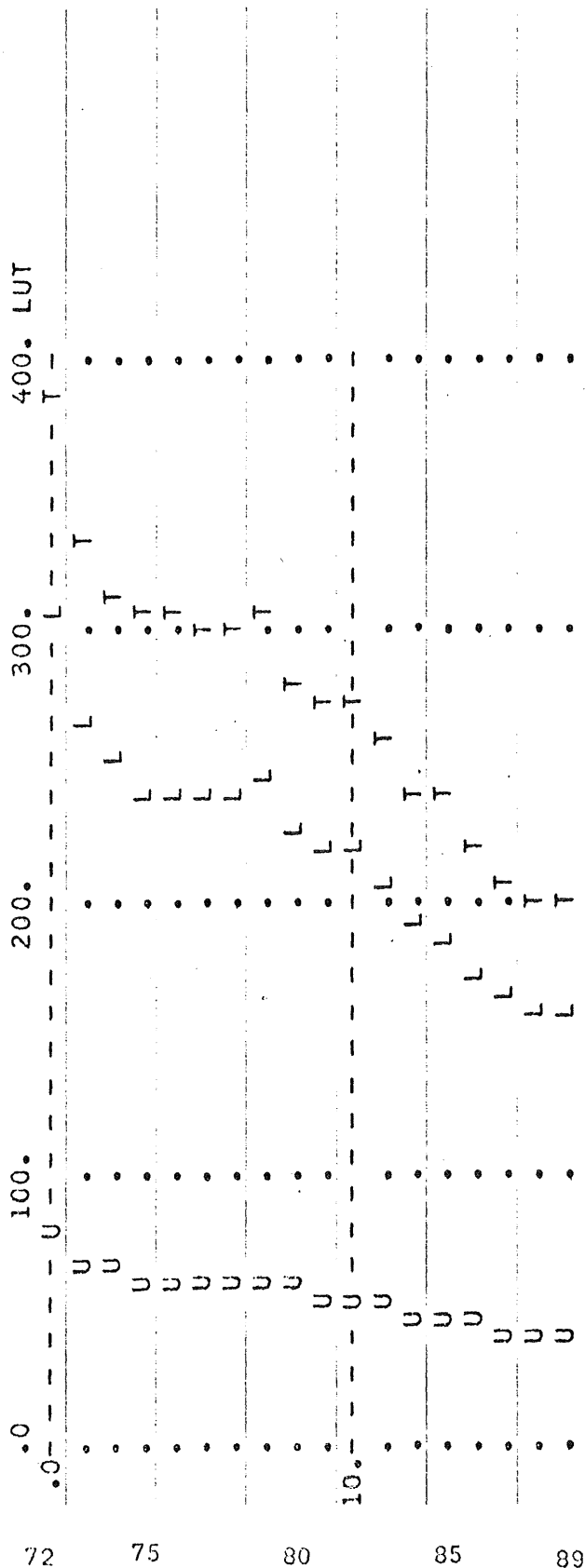
PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 65 PROJECTIONS BY INSTITUTION 1973-1989 NORTHLANDS JC

3/27/73

1973-1989

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Northland SJC

1972	385	*
1973	335	
1975	304	
1980	282	
1985	236	
1989	196	

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

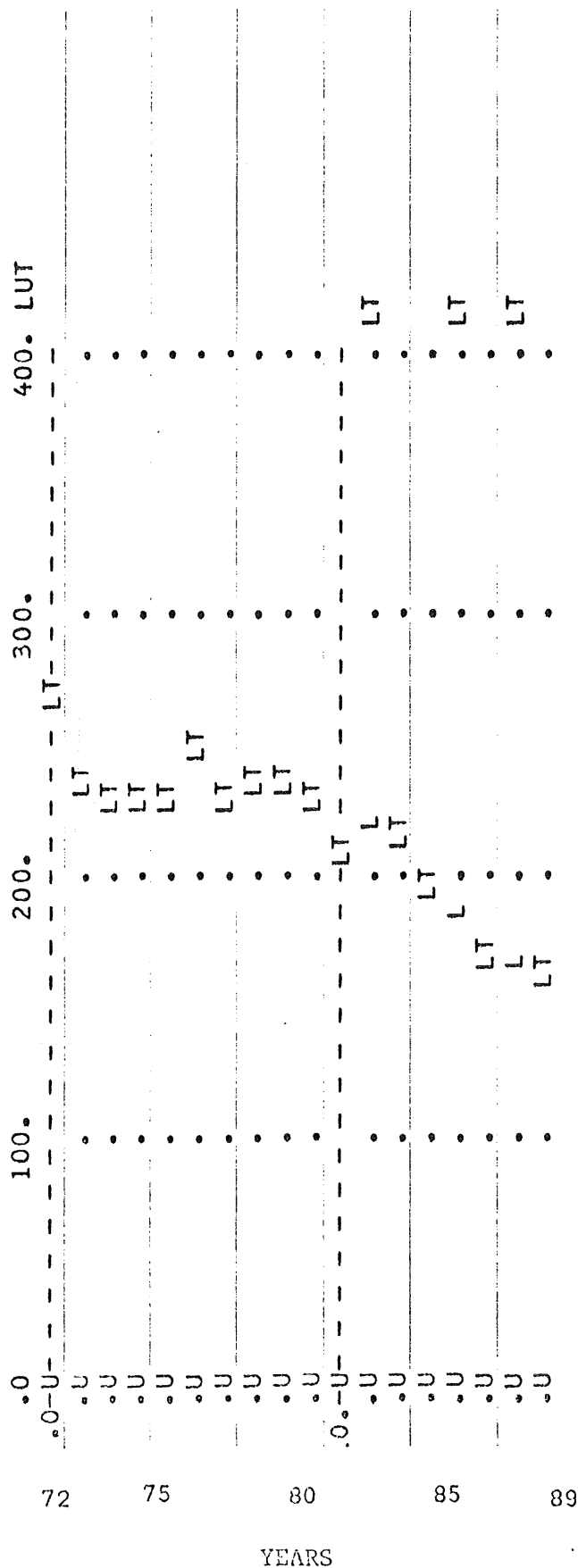
RAINY RIVER

3/27/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 70

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Rainy River SJC

1972 272 *

1973 242

1975 231

1980 238

1985 200

1989 165

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

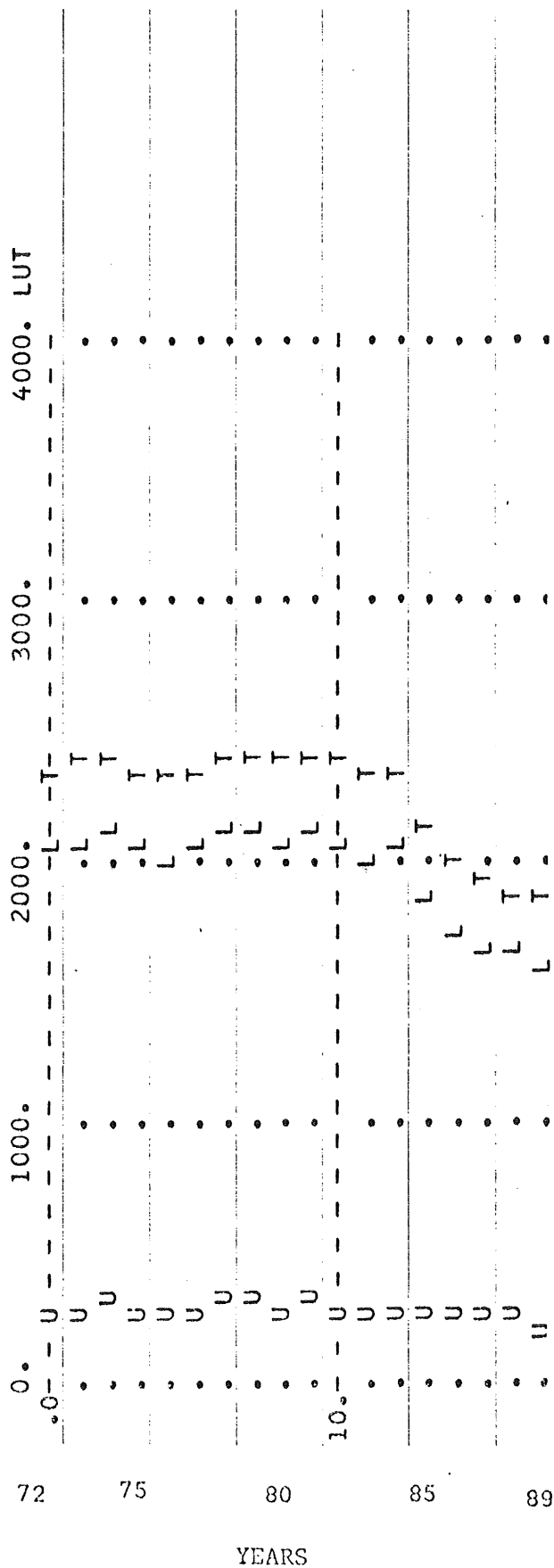
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 1 PROJECTIONS BY INSTITUTION 1973-1 ; 3/27/73 ROCHESTER JC

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Rochester SJC

1972 2327 *

1973 2380

1975 2325

1980 2389

1985 2131

1989 1846

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

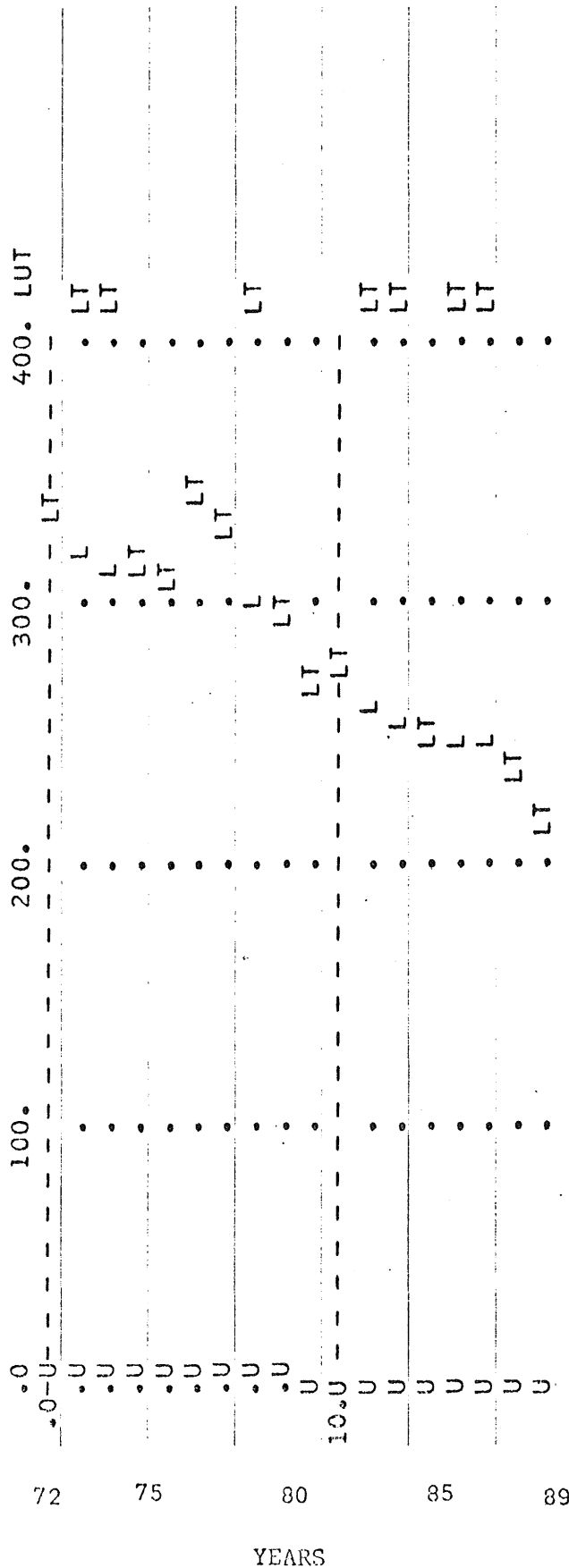
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 8 PROJECTIONS BY INSTITUTION 1973-1 VERMILION JC 3/27/73

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Vermilion SJC

1972	340	*
1973	323	
1975	317	
1980	298	
1985	252	
1989	217	

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

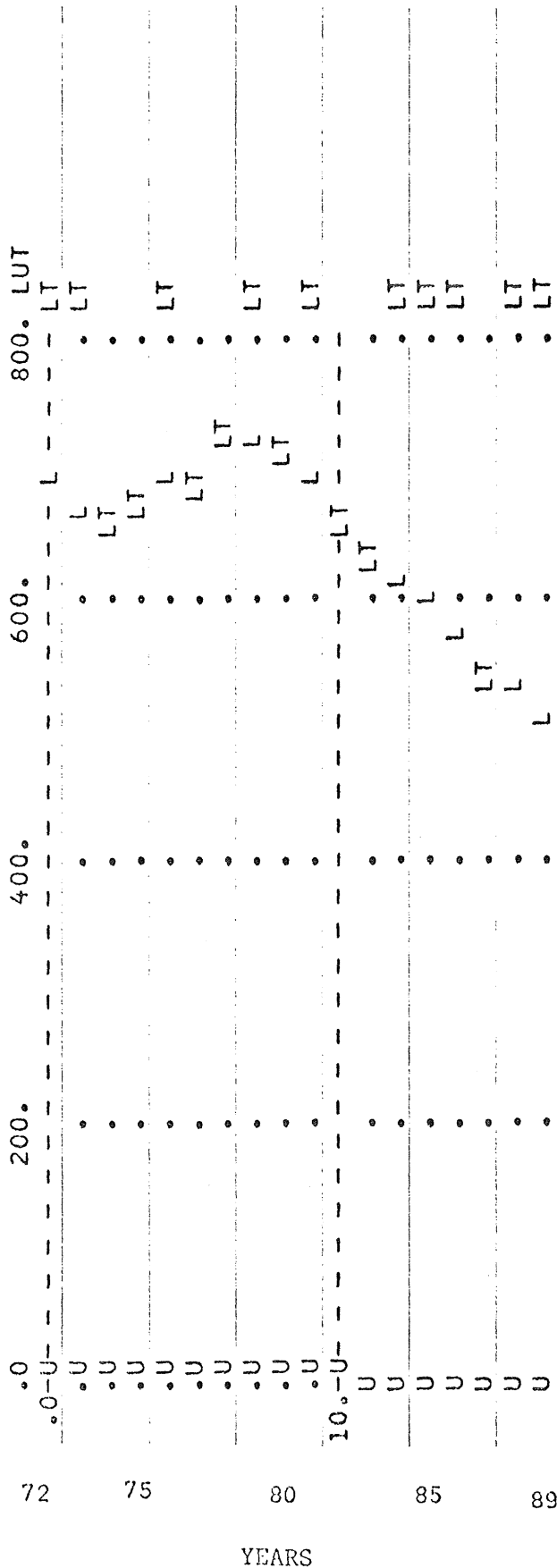
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

PAGE 83 PROJECTIONS BY INSTITUTION 1973-1989 3/27/73 WILLMAR JC

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Willmar SJC

1972 694 *

1973 672

1975 674

1980 716

1985 603

1989 509

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES

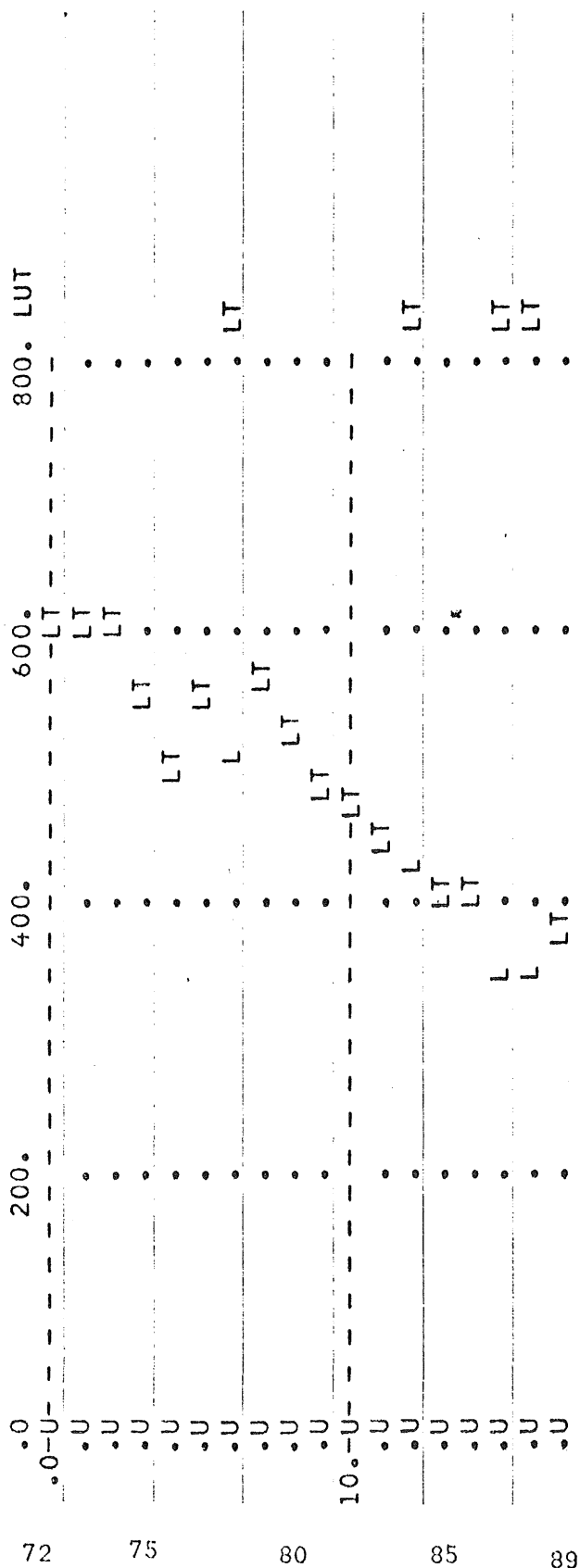
WORTHINGTON JC

3/27/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 90

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Worthington SJC

1972 618 *

1973 611

1975 564

1980 536

1985 411

1989 387

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

JUNIOR COLLEGE SYSTEM, SIMULATION 2:

"PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES"

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

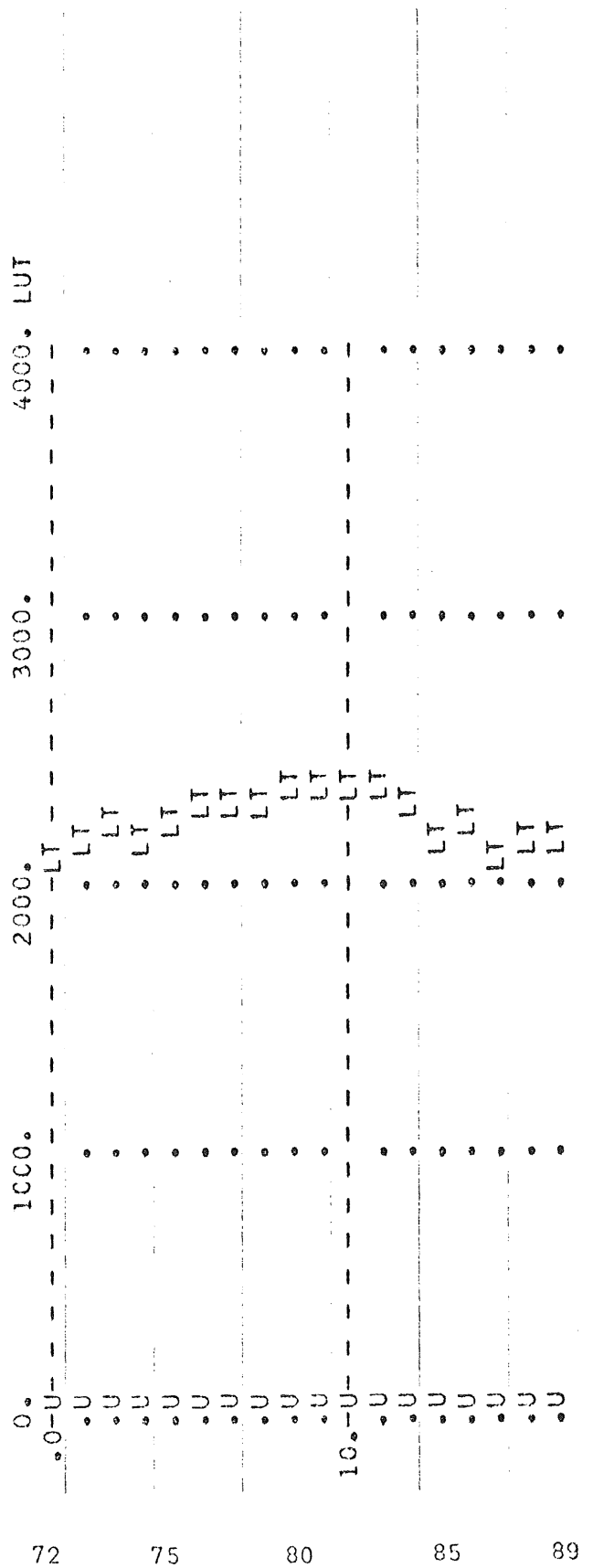
ANOKA RAMSEY JC

3/24/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 7

LP=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Anoka-Ramsey SJC

1972 2160 *

1973 2219

1975 2218

1980 2389

1985 2220

1989 2202

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

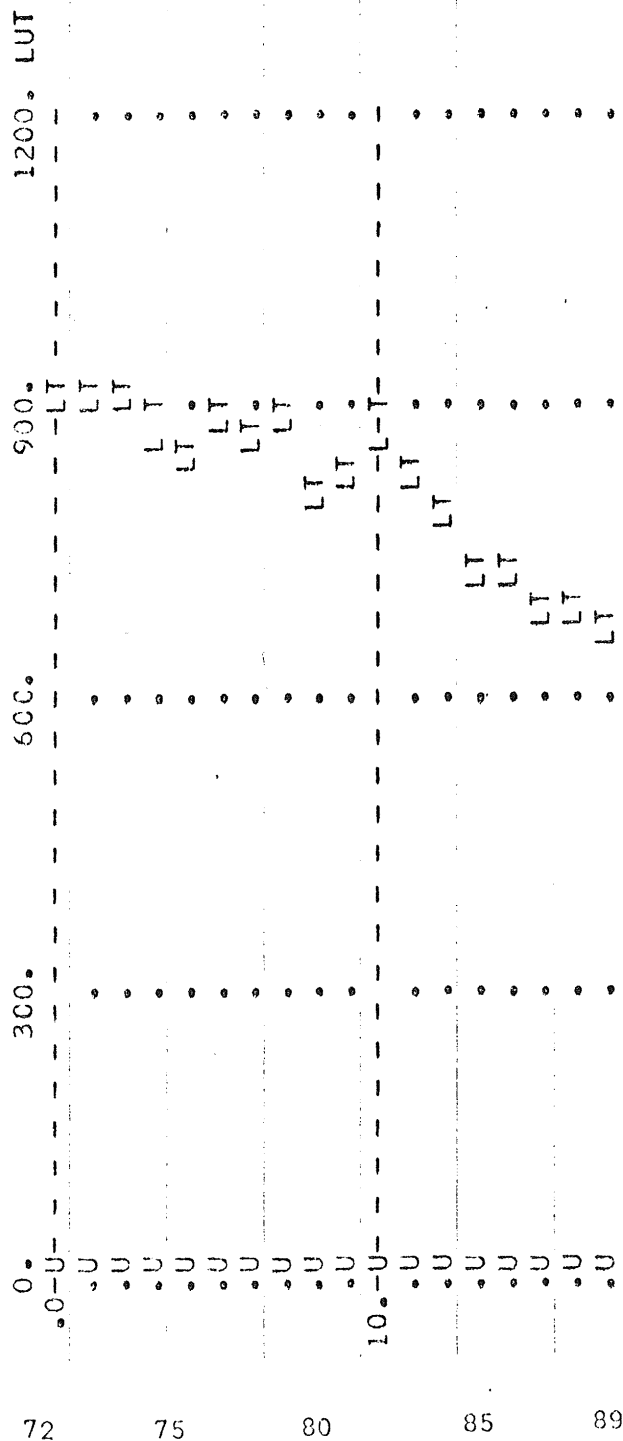
AUSTIN JC

3/24/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 10

LD=L,UNK=U,TOTAL=T



TOTAL ENROLLMENT: Austin SJC

1972 927 *

1973 925

1975 891

1980 825

1985 740

1989 678

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

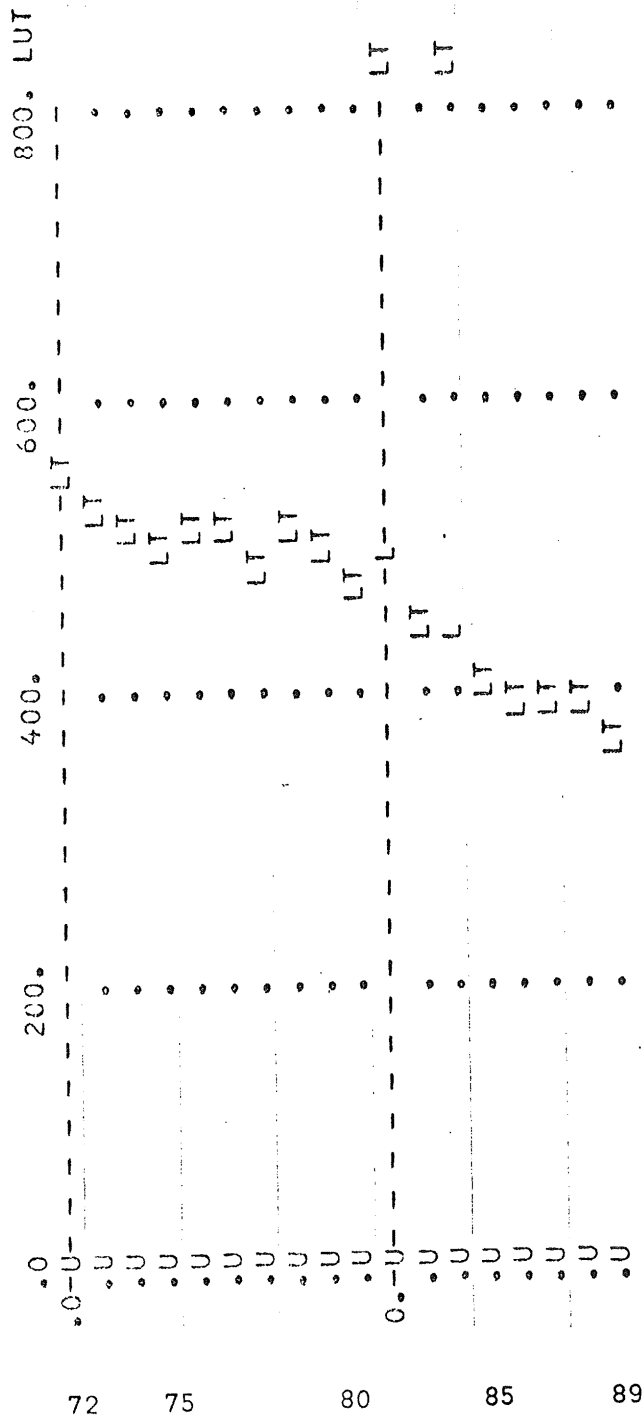
BRAINERD JC

3/24/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 15

LD=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Brainerd SJC

1972 565 *

1973 534

1975 501

1980 507

1985 413

1989 372

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

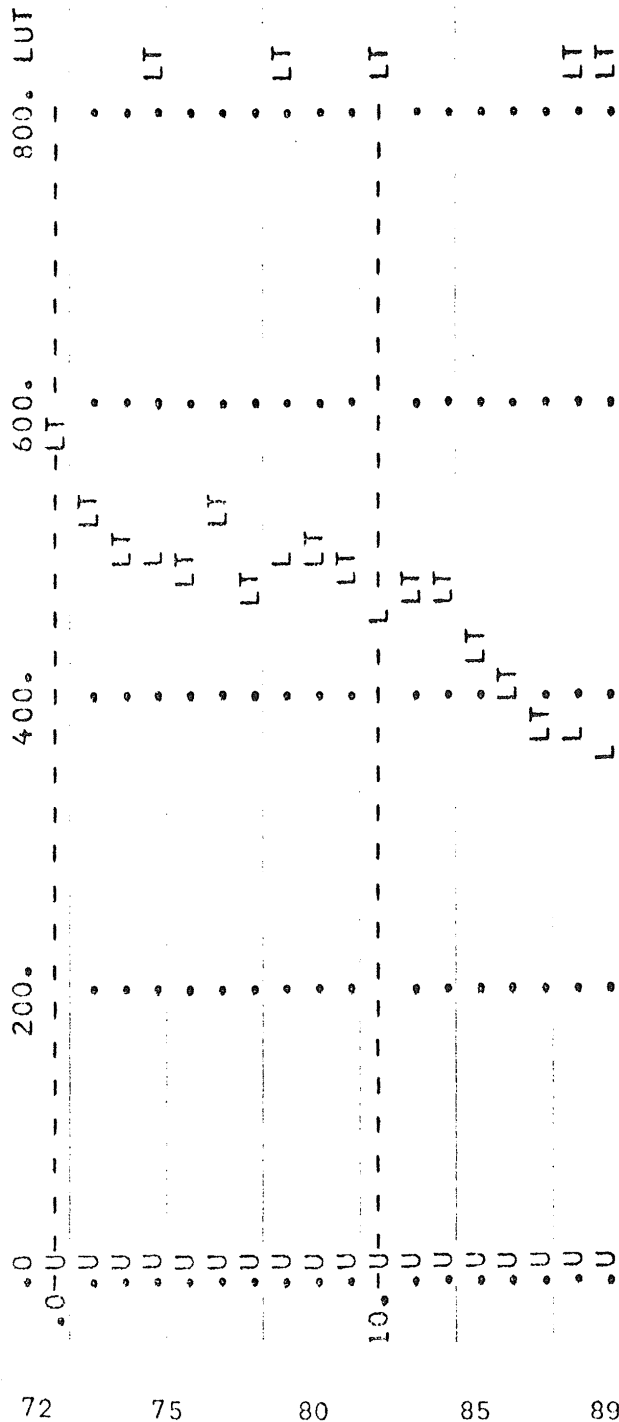
PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

3/24/73 FERGUS FALLS JC

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 20

LD=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Fergus Falls SJC

1972 590 *

1973 528

1975 498

1980 502

1985 434

1989 363

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

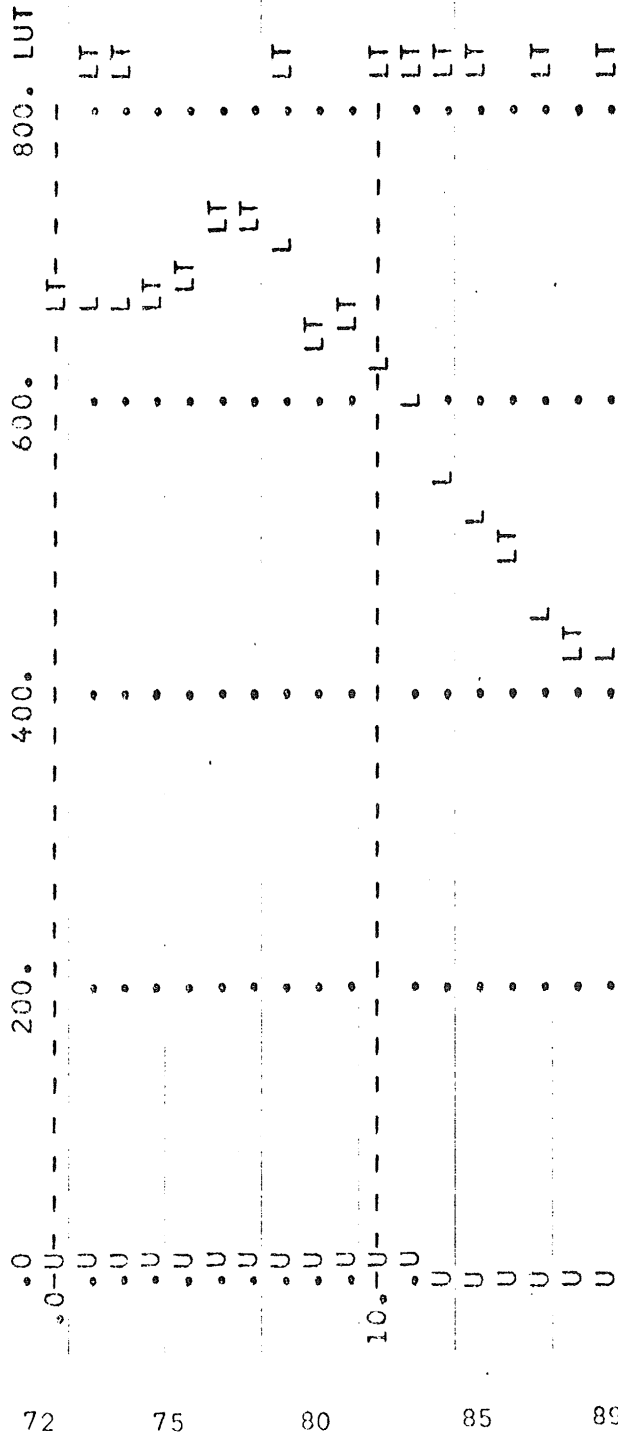
HIBBING JC

3/24/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 25

LD=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Hibbing SJC

1972 675 *

1973 670

1975 675

1980 653

1985 521

1989 432

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

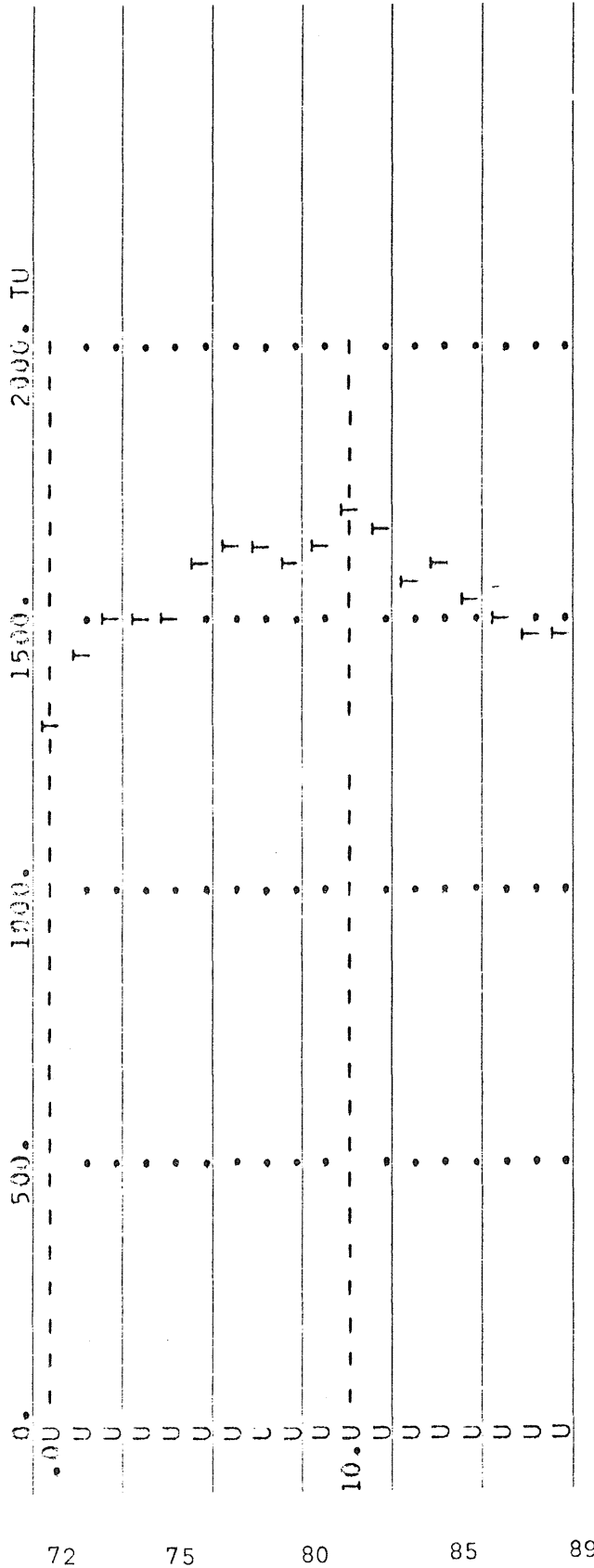
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

PAGE 30 PROJECTIONS BY INSTITUTION 1973-1989 4/04/73 INVER HILLS JC

TOTAL=T, UNK=U, FT=LD=



TOTAL ENROLLMENT: Inver Hills SJC

1972 1313 *

1973 1424

1975 1484

1980 1616

1985 1586

1989 1473

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

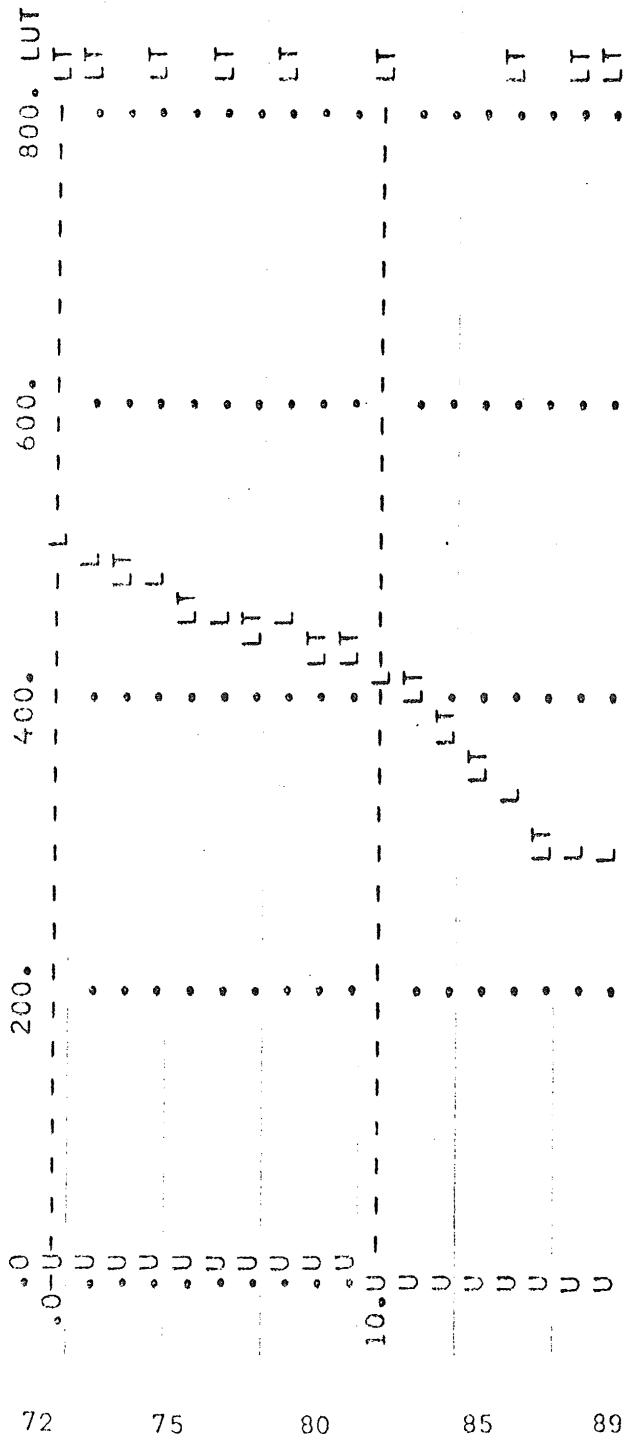
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

PAGE 31 PROJECTIONS BY INSTITUTION 1973-1989 ITASCA JC

LD=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Itasca SJC

1972	512	*
1973	495	
1975	482	
1980	436	
1985	354	
1989	296	

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

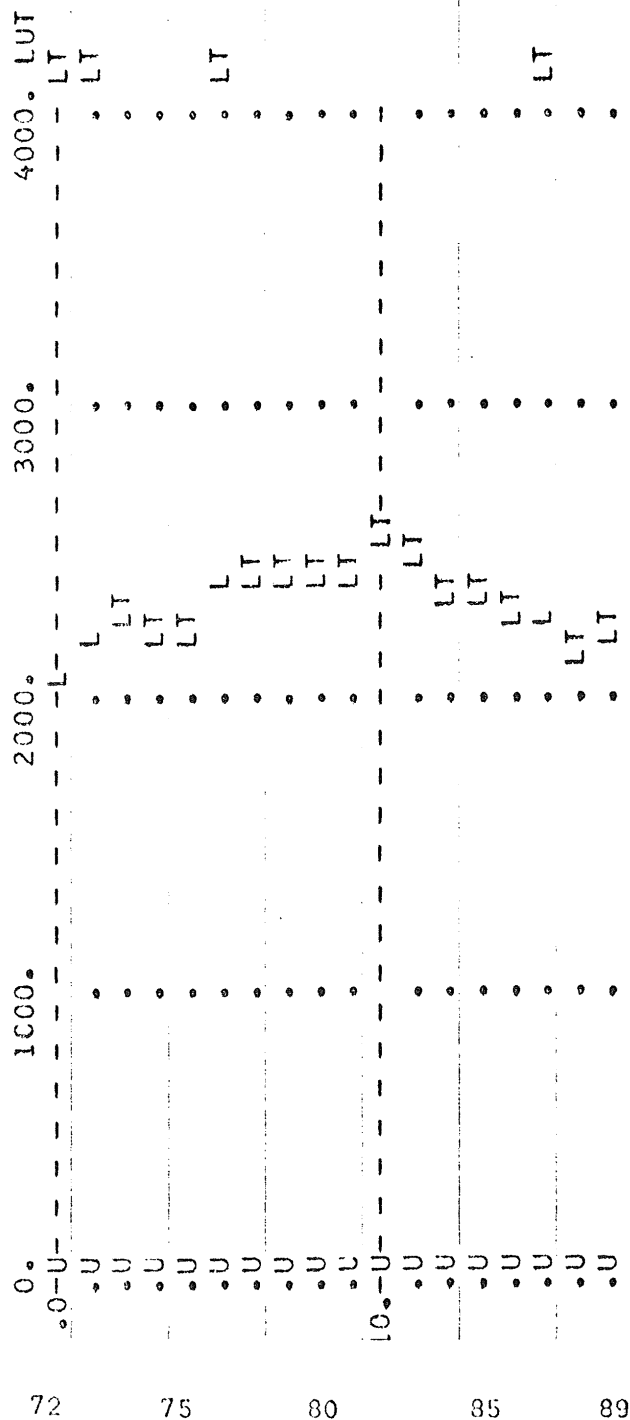
LAKEWOOD

3/24/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 36

LD=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Lakewood SJC

1972 2096 *

1973 2225

1975 2275

1980 2455

1985 2409

1989 2236

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

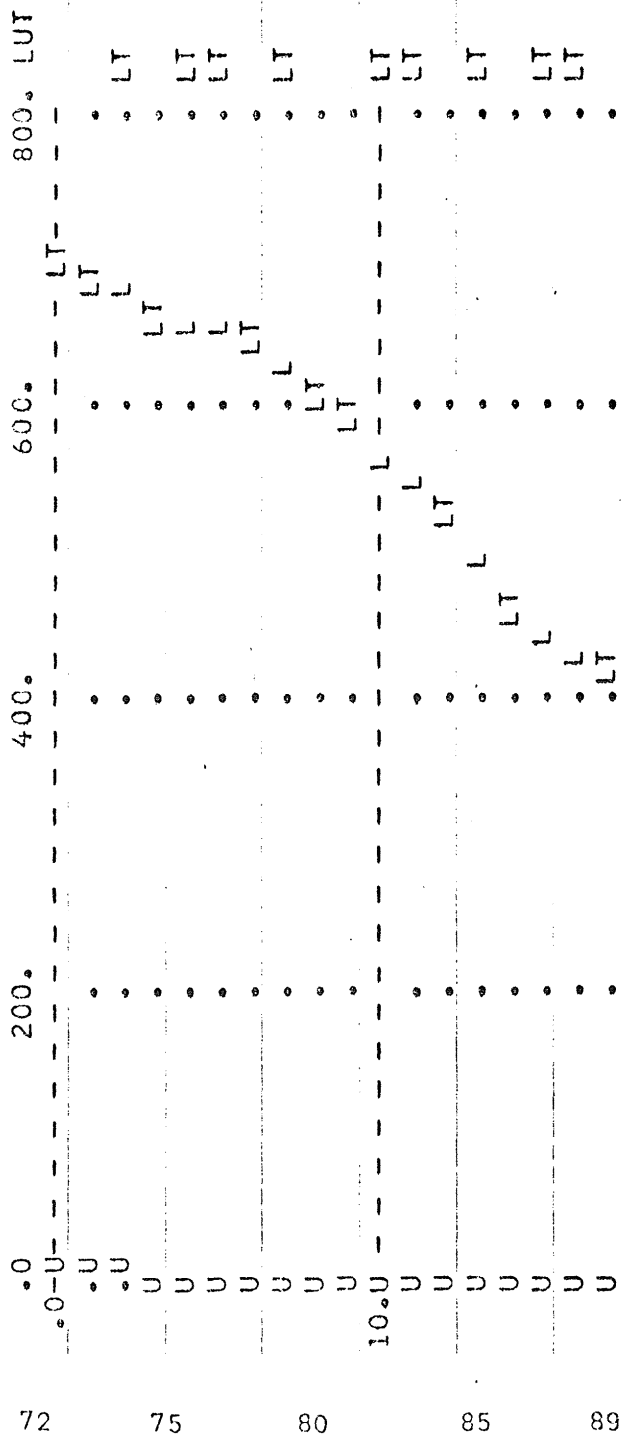
MESABI

3/24/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 41

LD=L, UAK=U, TOTAL=T



TOTAL ENROLLMENT: Mesabi SJC

1972 705 *

1973 690

1975 664

1980 609

1985 496

1989 422

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

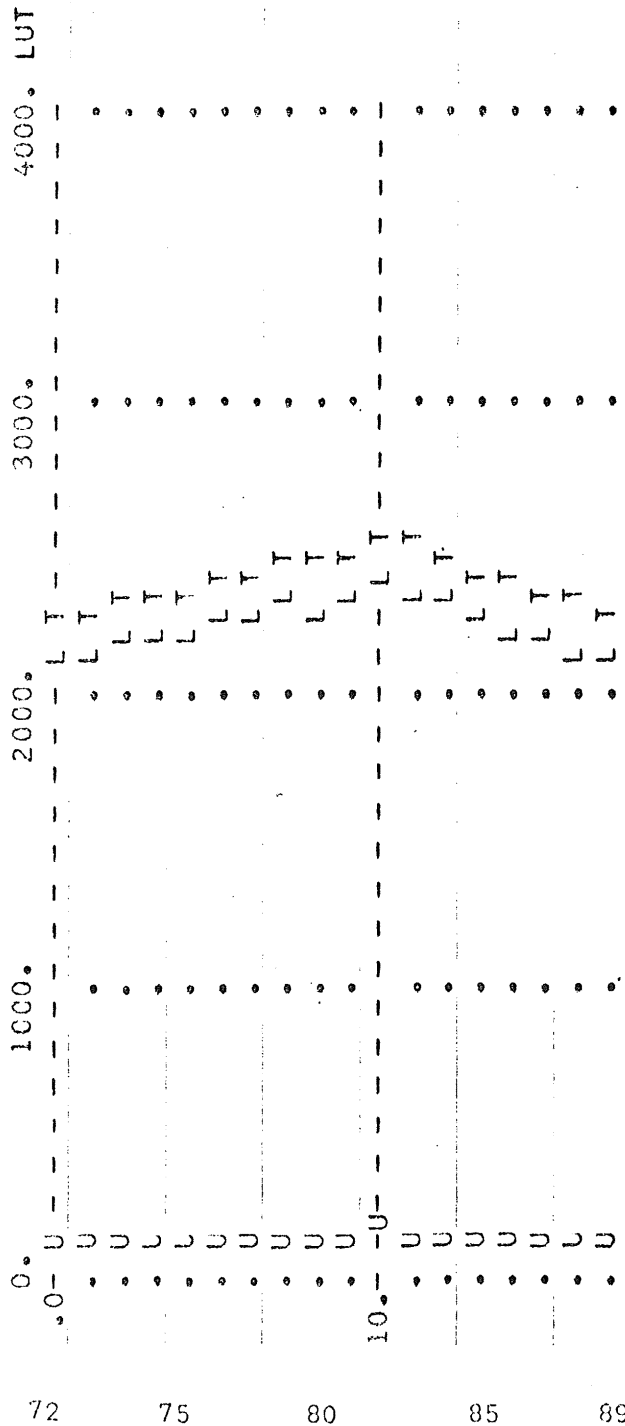
PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

PAGE 46 PROJECTIONS BY INSTITUTION 1973-198 METRO JC

3/24/73

PROJECTIONS BY INSTITUTION 1973-198

LC=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Metro SJC

1972 2254 *

1973 2295

1975 2334

1980 2441

1985 2412

1989 2274

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

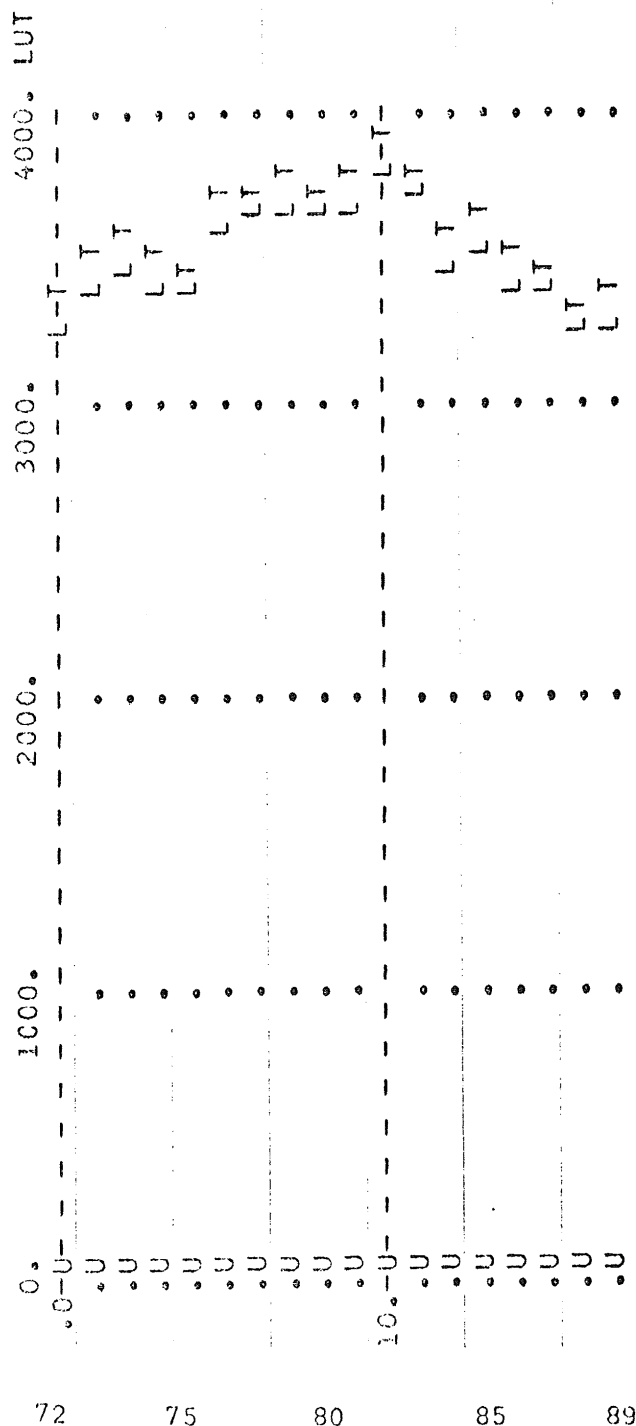
PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

NORMANDALE JC

3/24/73

PROJECTIONS BY INSTITUTION 1973-1989

LC=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Normandale SJC

1972 3380 *

1973 3505

1975 3503

1980 3724

1985 3639

1989 3373

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

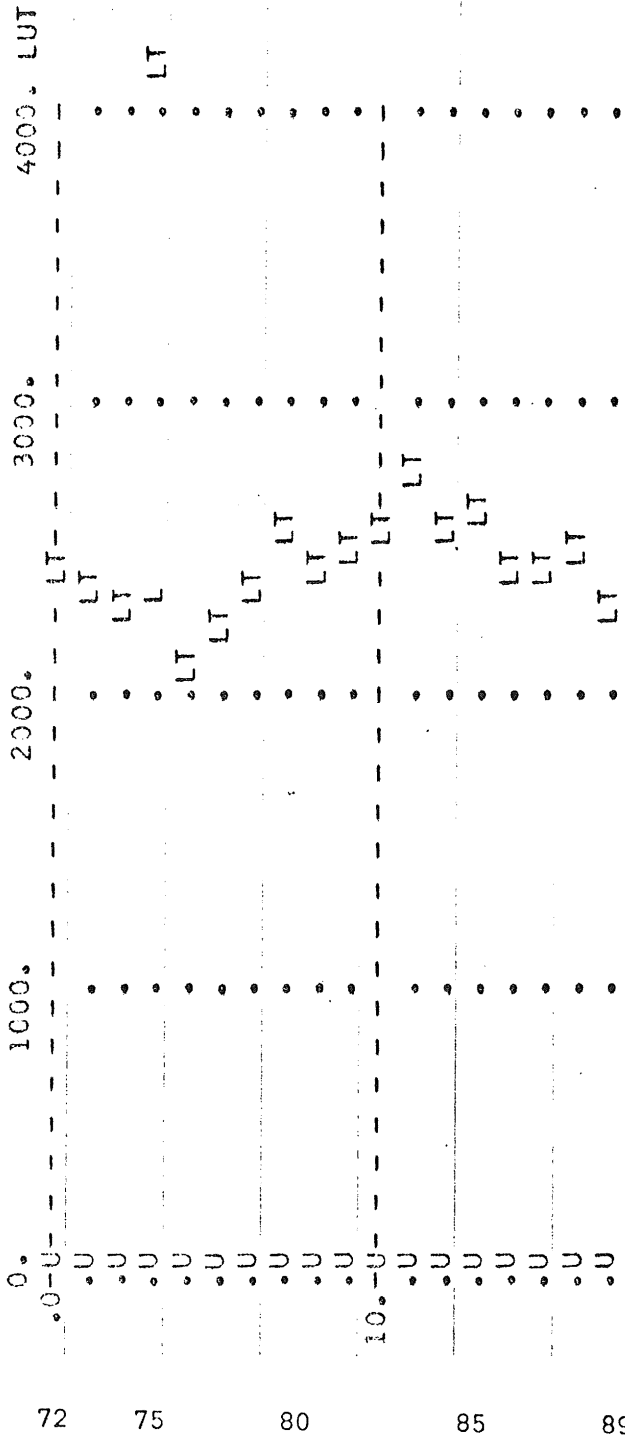
U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

PAGE 56 PROJECTIONS BY INSTITUTION 1973-1989 NORTH HENNEPIN JC

3/24/73

LD=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: North Hennepin SJC

1972 2478 *

1973 2392

1975 2364

1980 2499

1985 2644

1989 2347

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

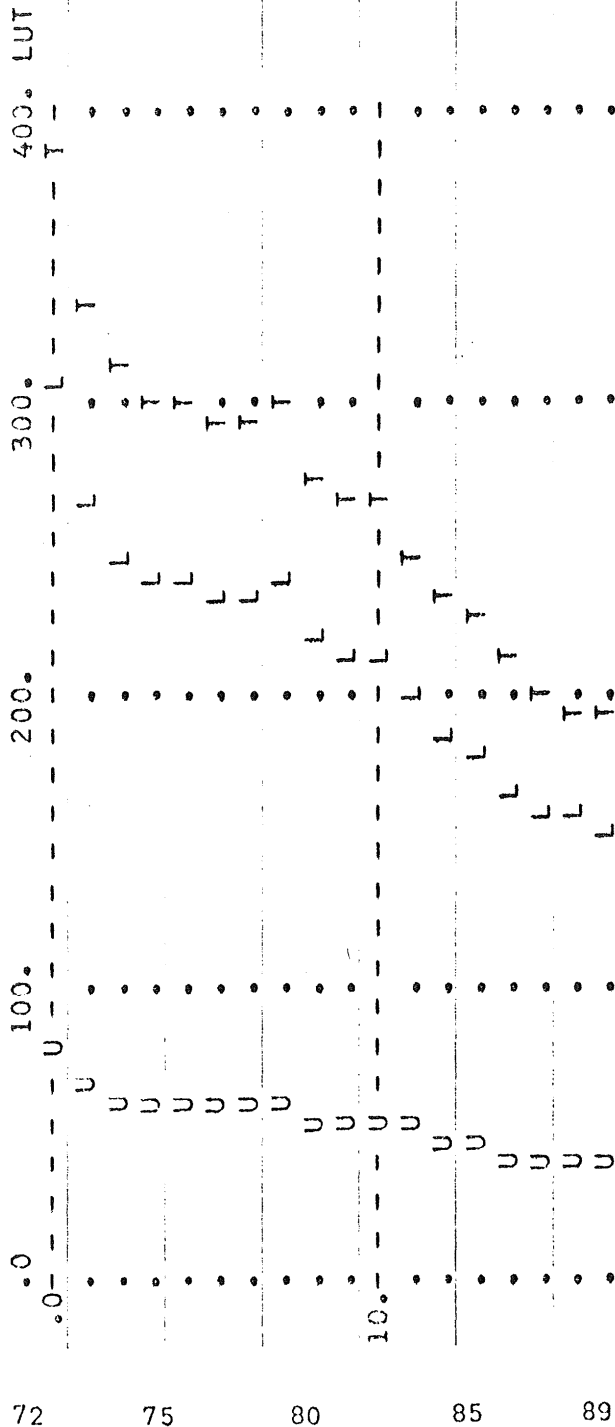
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

PAGE 6 PROJECTIONS BY INSTITUTION 1973-1989 NORTHLANDS JC 3/24/73

LD=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Northland SJC

1972 385 *

1973 332

1975 298

1980 274

1985 229

1989 190

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

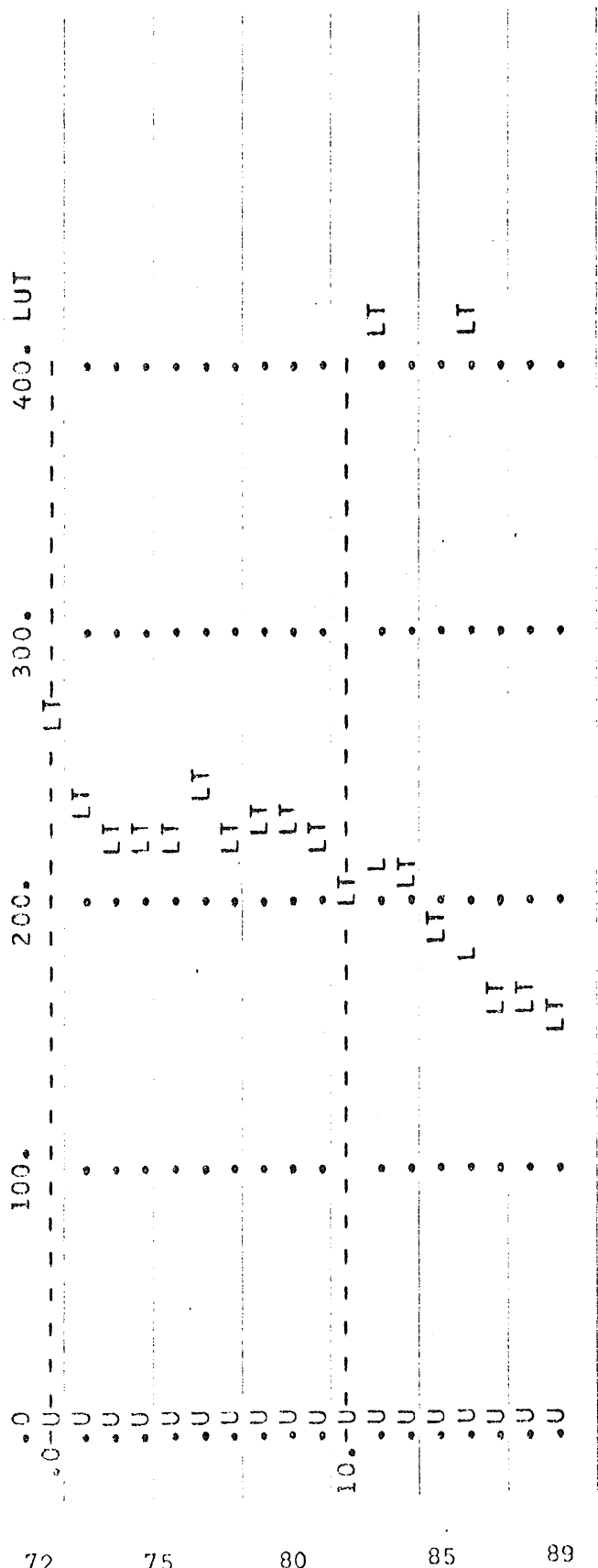
PROJECTED ENROLLMENTS 1973-1989 USING DECLINING PARTICIPATION RATES

PAGE 66 PROJECTIONS BY INSTITUTION 1973-1989 RAINY RIVER

3/24/73

LD=L, UNK=U, TOTAL=T

LD=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Rainy River SJC

1972 272 *

1973 240

1975 226

1980 230

1985 194

1989 160

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

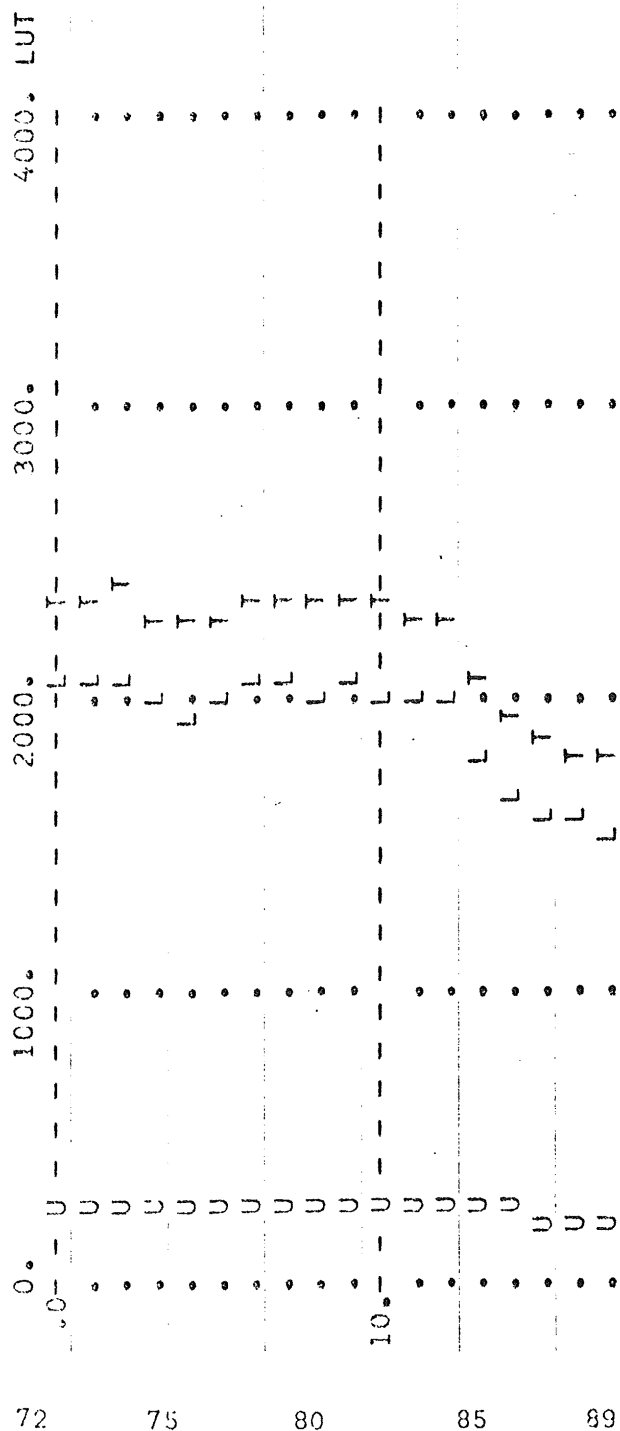
PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

ROCHESTER JC

3/24/73

PROJECTIONS BY INSTITUTION 1973-1989

LC=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Rochester SJC

1972 2327 *

1973 2363

1975 2282

1980 2315

1985 2064

1989 1788

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

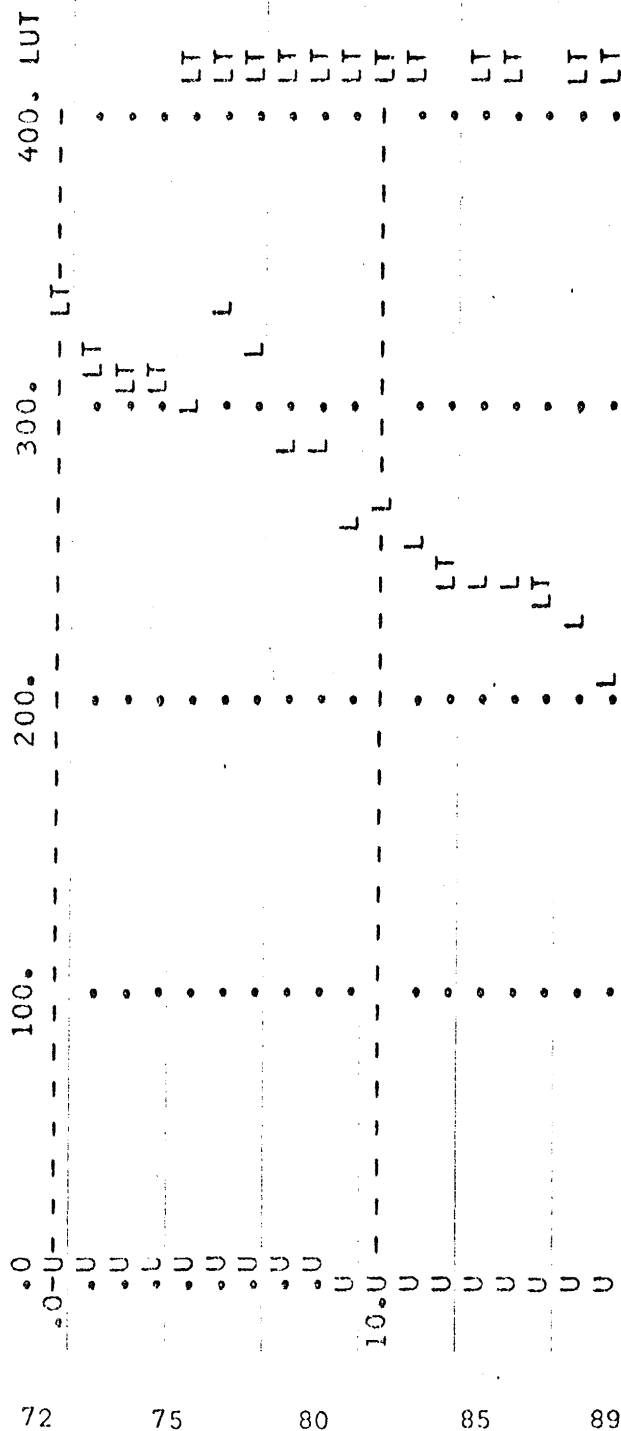
VERMILION JC

3/24/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 76

LD=L,U,UNK=U,TOTAL=T



TOTAL ENROLLMENT: Vermilion SJC

1972 340 *

1973 320

1975 310

1980 287

1985 243

1989 209

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

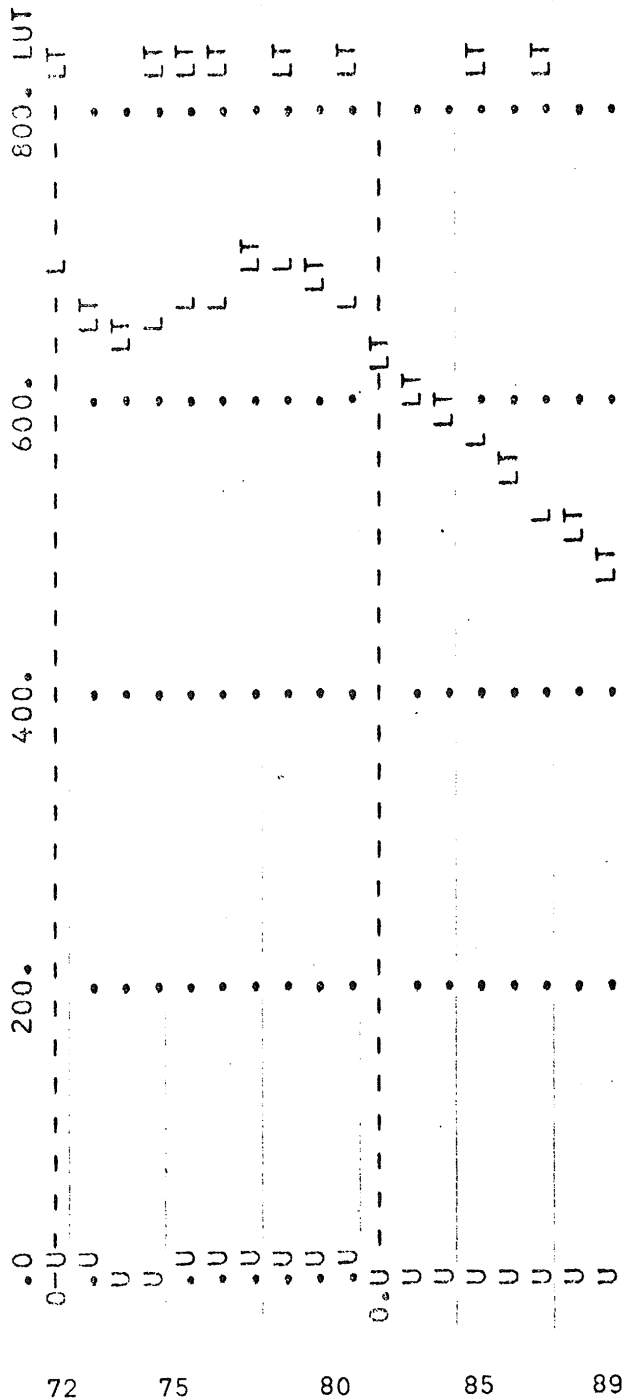
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

PAGE 31 PROJECTIONS BY INSTITUTION 1973-1989 3/24/73 WILLMAR JC

(=U, TOTAL=T



TOTAL ENROLLMENT: Willmar SJC

1972 694 *

1973 665

1975 657

1980 688

1985 579

1989 488

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
USING DECLINING PARTICIPATION RATES

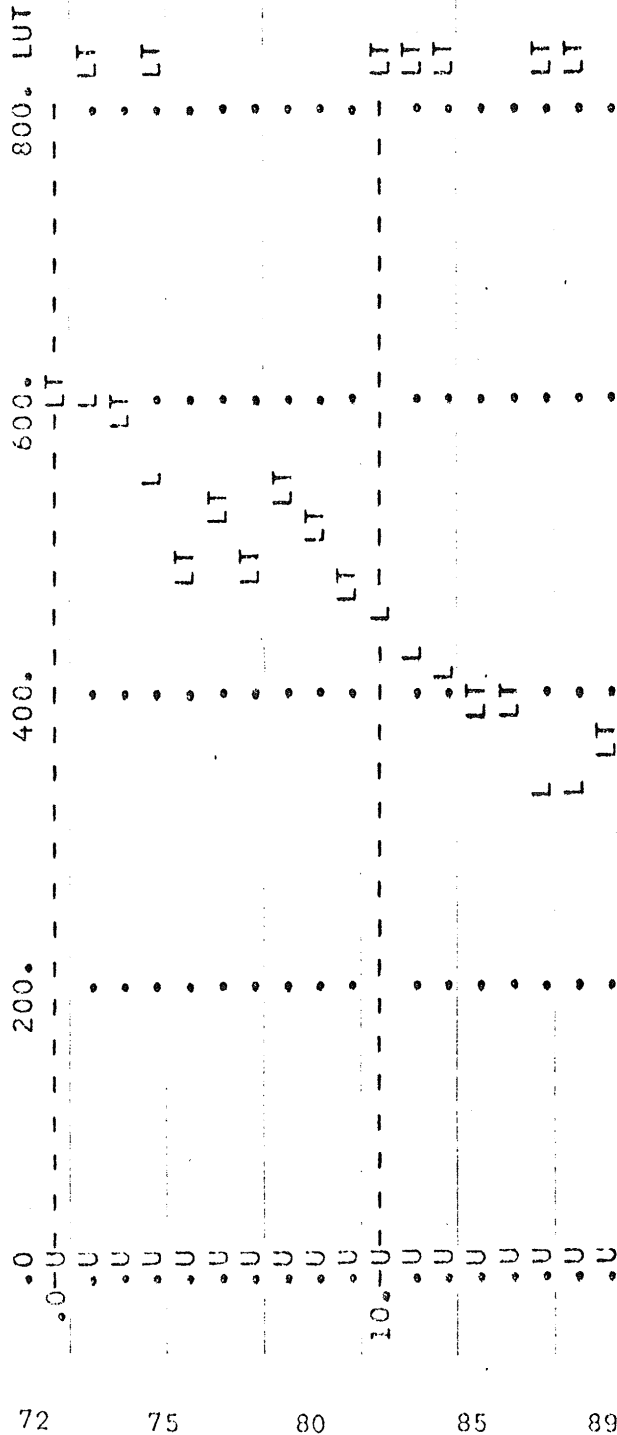
WORTHINGTON JC

3/24/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 86

LC=L, UNK=U, TOTAL=T



TOTAL ENROLLMENT: Worthington SJC

1972 618 *

1973 606

1975 551

1980 517

1985 397

1989 374

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

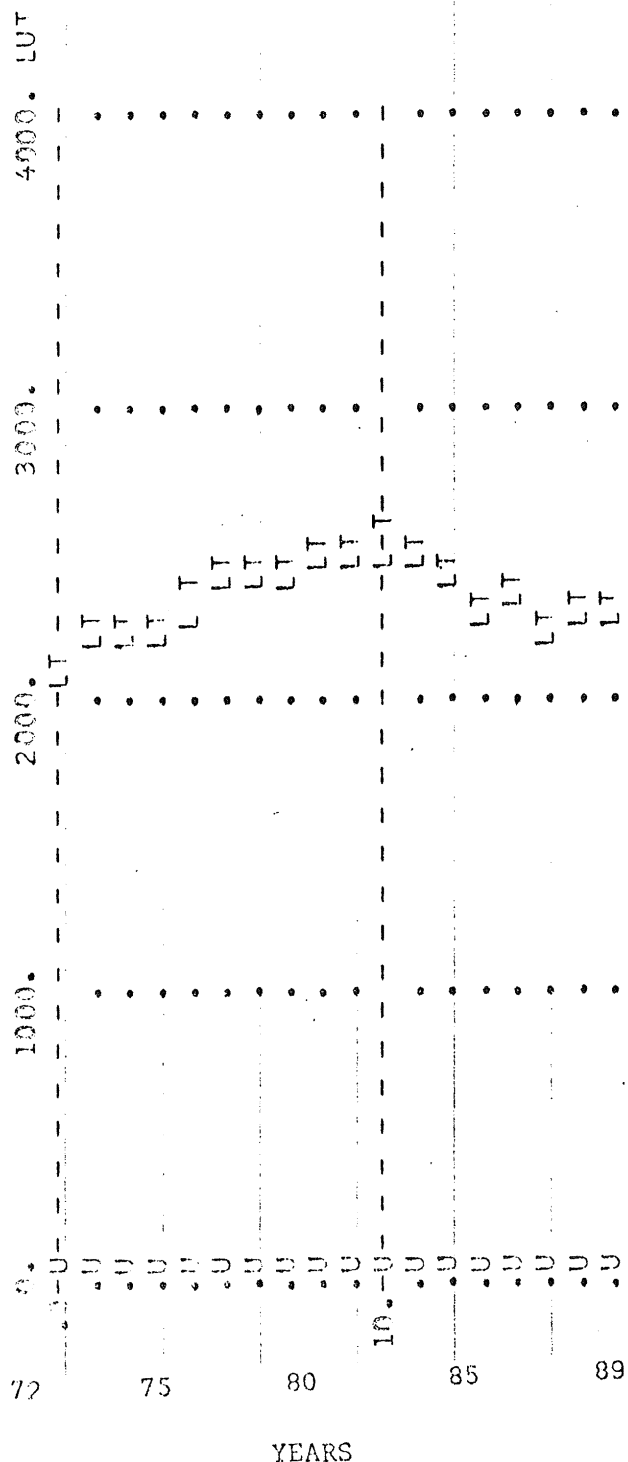
JUNIOR COLLEGE SYSTEM, SIMULATION 3:

"PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979"

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

PAGE 5 PROJECTIONS BY INSTITUTION 1973-1989 ANOKA RAMSEY JC

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Anoka-Ramsey SJC

1972 2160 *

1973 2236

1975 2270

1980 2528

1985 2361

1989 2342

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

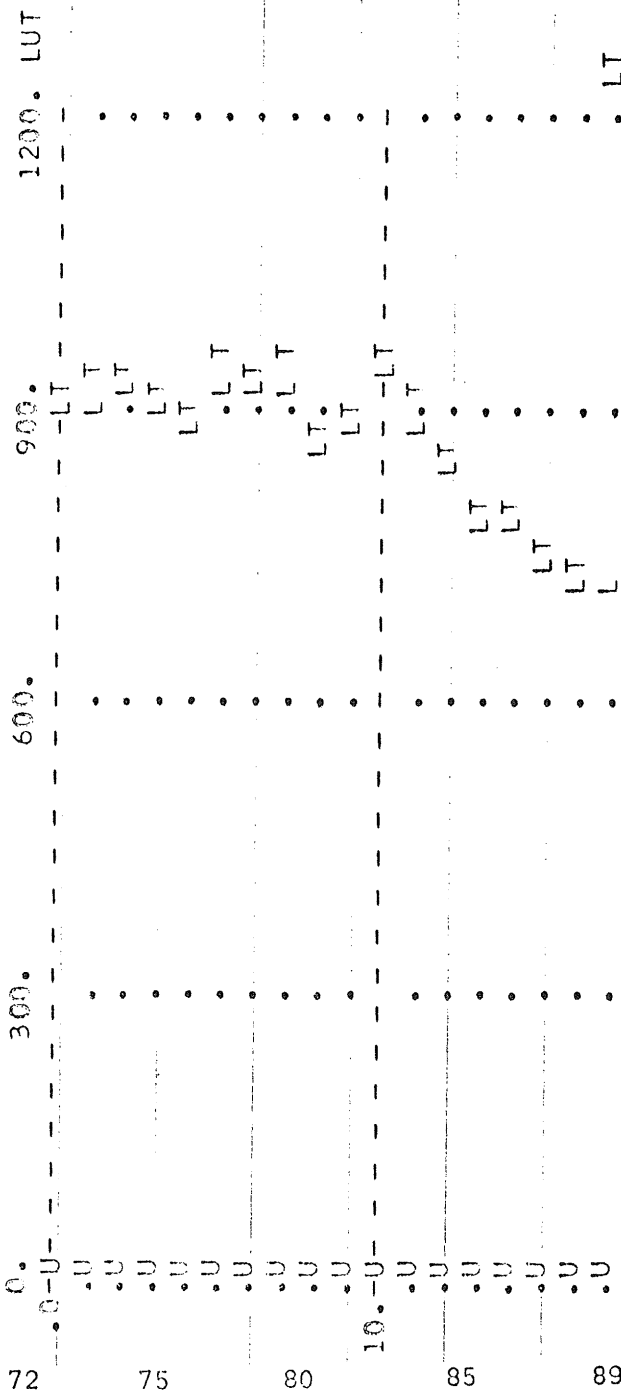
AUSTIN JC

3/28/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 10

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Austin SJC

1972 927 *

1973 934

1975 917

1980 882

1985 795

1989 729

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

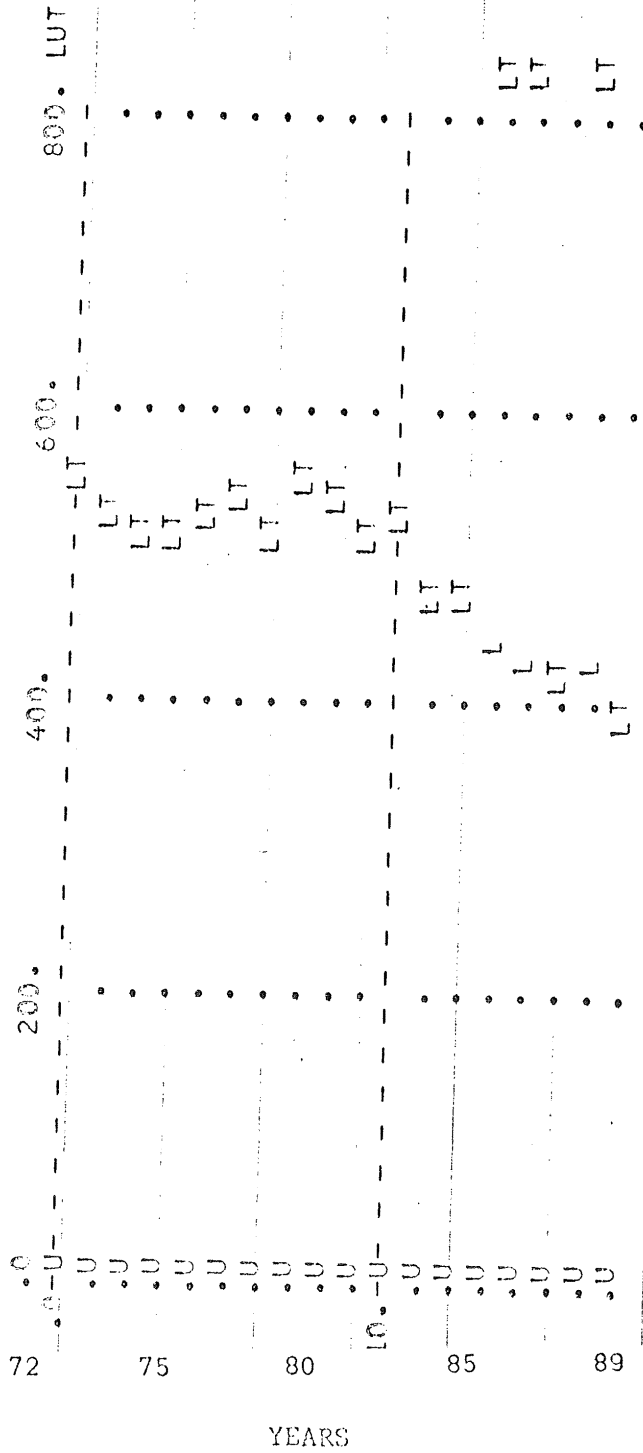
L = Lower Division

U = Unclassified

YEARS

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

PAGE 15
PROJECTIONS BY INSTITUTION 1973-1989
3/28/73 BRAINERD JC
LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Brainerd SJC

1972 565 *

1973 538

1975 515

1980 542

1985 445

1989 400

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

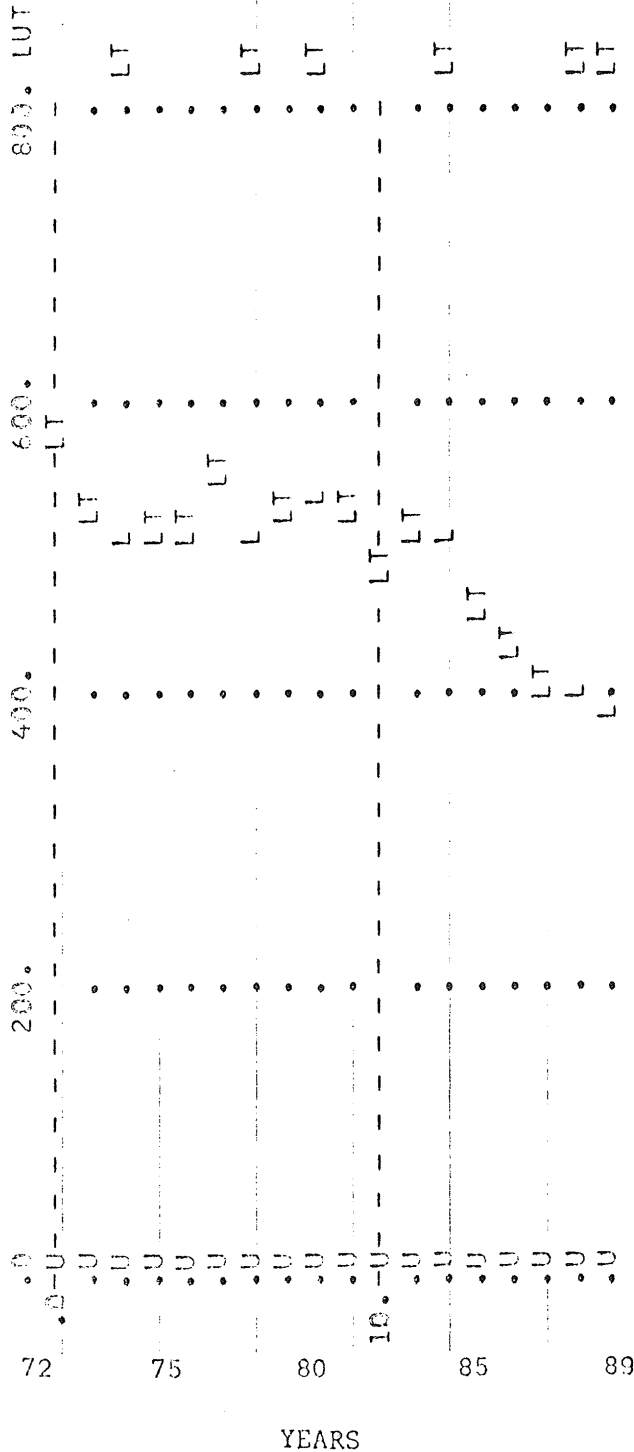
PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

FERGUS FALLS JC

3/28/73

PROJECTIONS BY INSTITUTION 1973-1989

LC=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Fergus Falls SJC

1972 590 *

1973 533

1975 514

1980 538

1985 467

1989 391

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

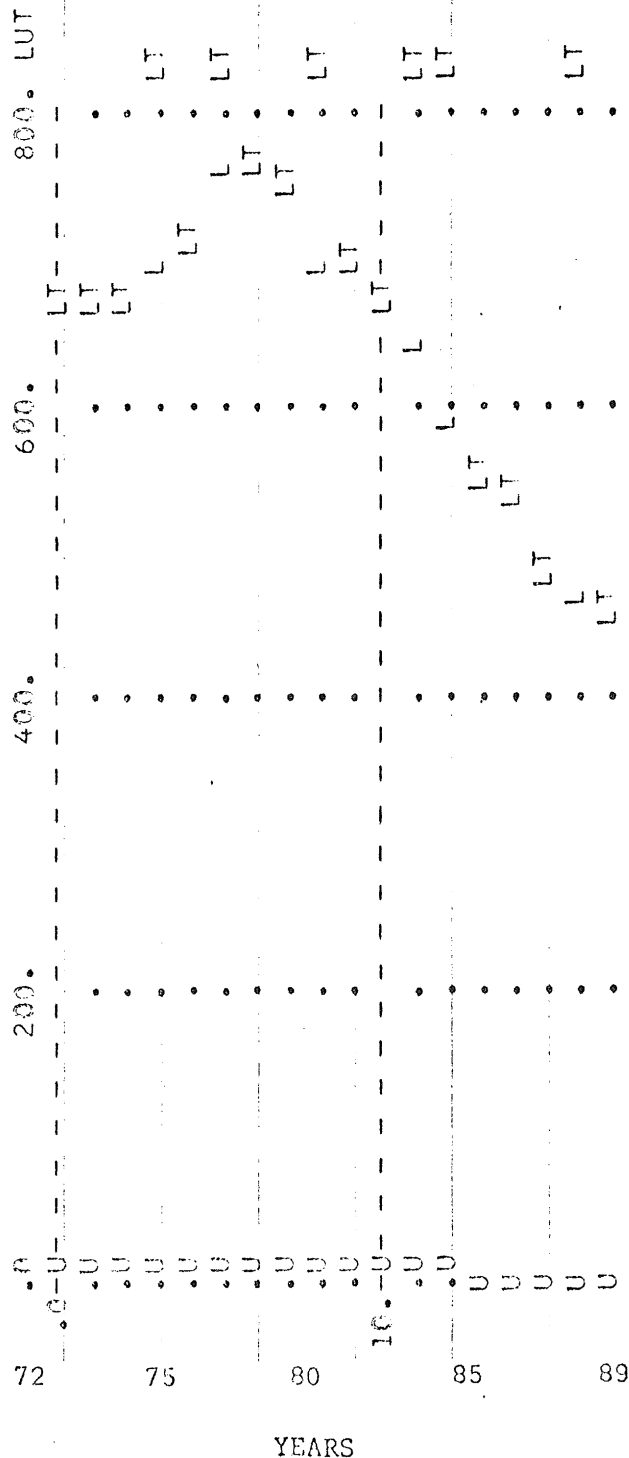
HIERING JC

3/28/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 25

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Hibbing SJC

1972 675 *

1973 677

1975 695

1980 698

1985 559

1989 464

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

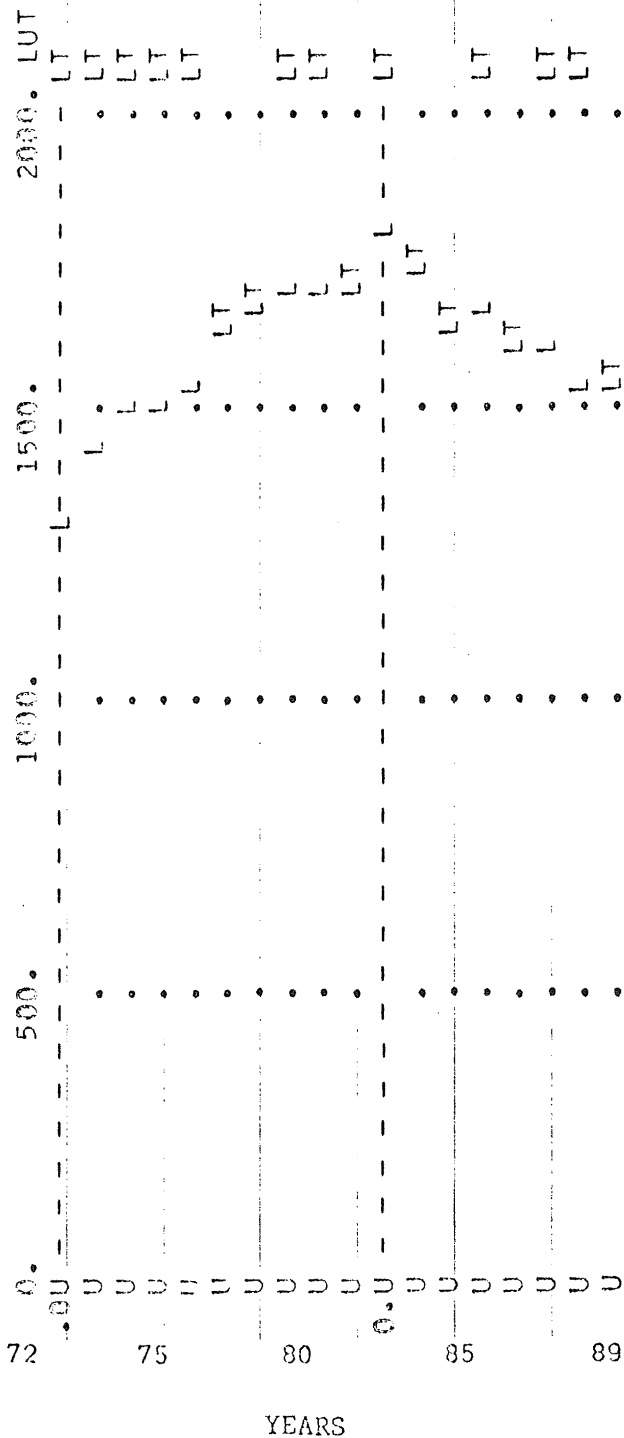
INVER HILLS JC

3/28/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 50

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Inver Hills SJC

1972 1313 *

1973 1434

1975 1515

1980 1703

1985 1682

1989 1563

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

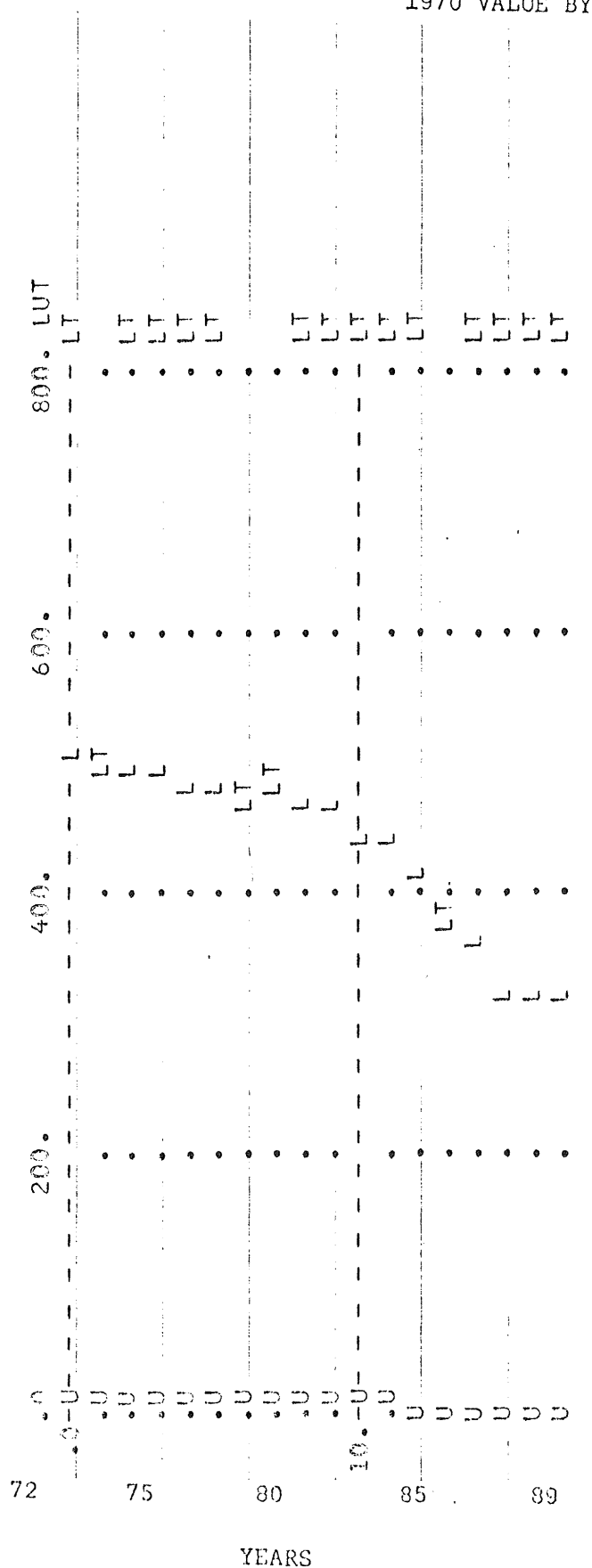
ITASCA JC

3/28/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 35

LO=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Itasca SJC

1972 512 *

1973 500

1975 498

1980 470

1985 383

1989 320

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

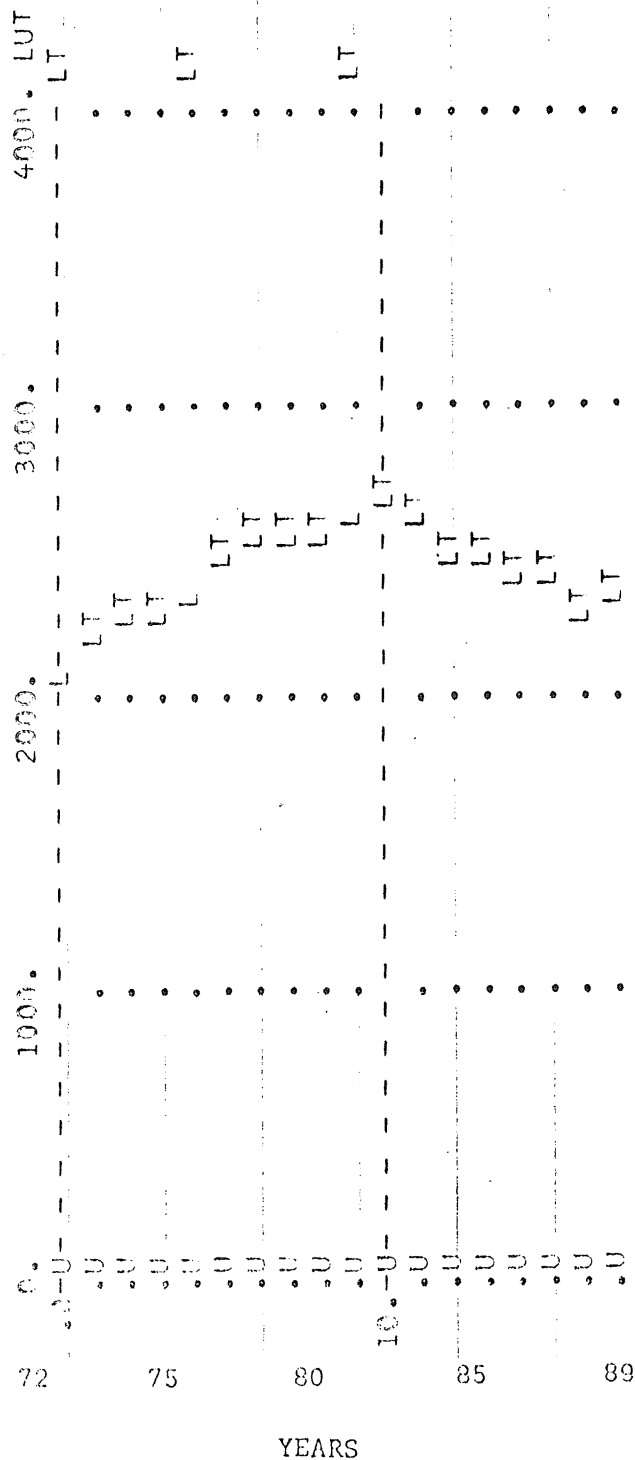
PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

LAKEWOOD

3/28/73

PROJECTIONS BY INSTITUTION 1973-1989

LT=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Lakewood SJC

1972 2096 *

1973 2239

1975 2320

1980 2586

1985 2553

1989 2371

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

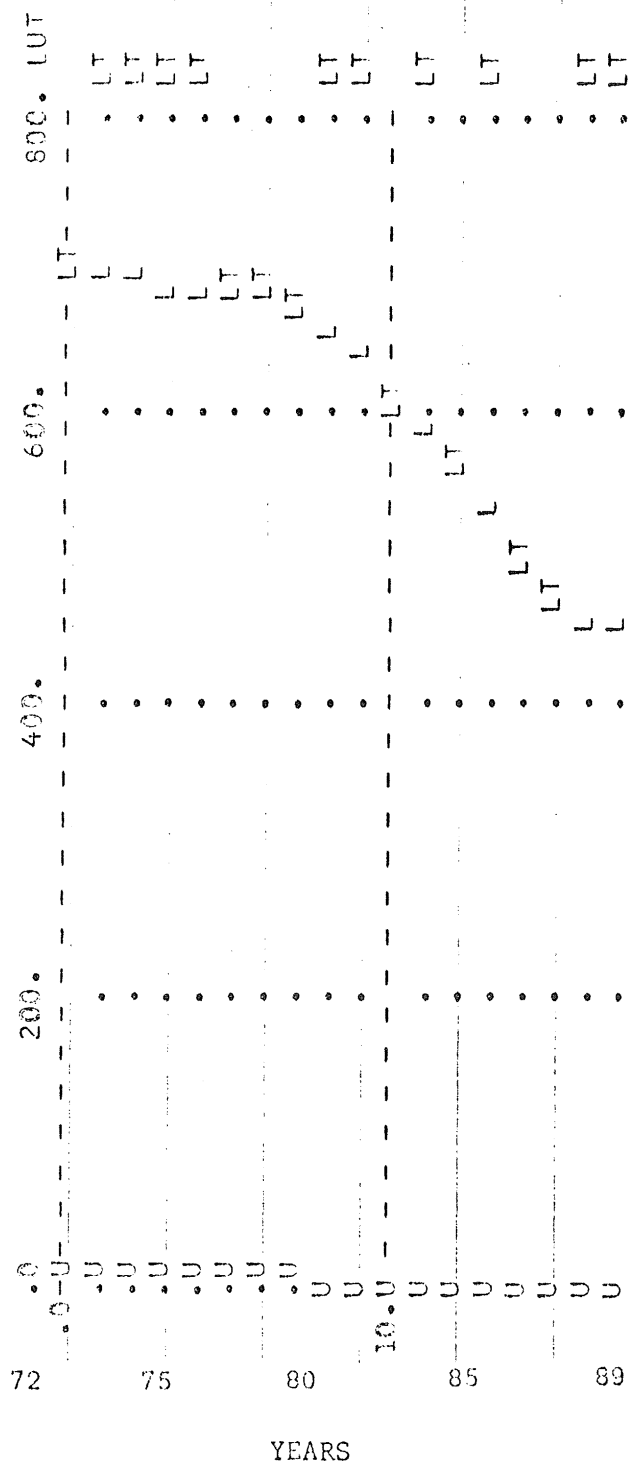
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
 LINEAR INCREASE OF PARTICIPATION RATES TO
 1970 VALUE BY 1979

PAGE 45 PROJECTIONS BY INSTITUTION 1973-1989 3/28/73 MESABI

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Mesabi SJC

1972 705 *

1973 697

1975 684

1980 654

1985 535

1989 456

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
 LINEAR INCREASE OF PARTICIPATION RATES TO
 1970 VALUE BY 1979

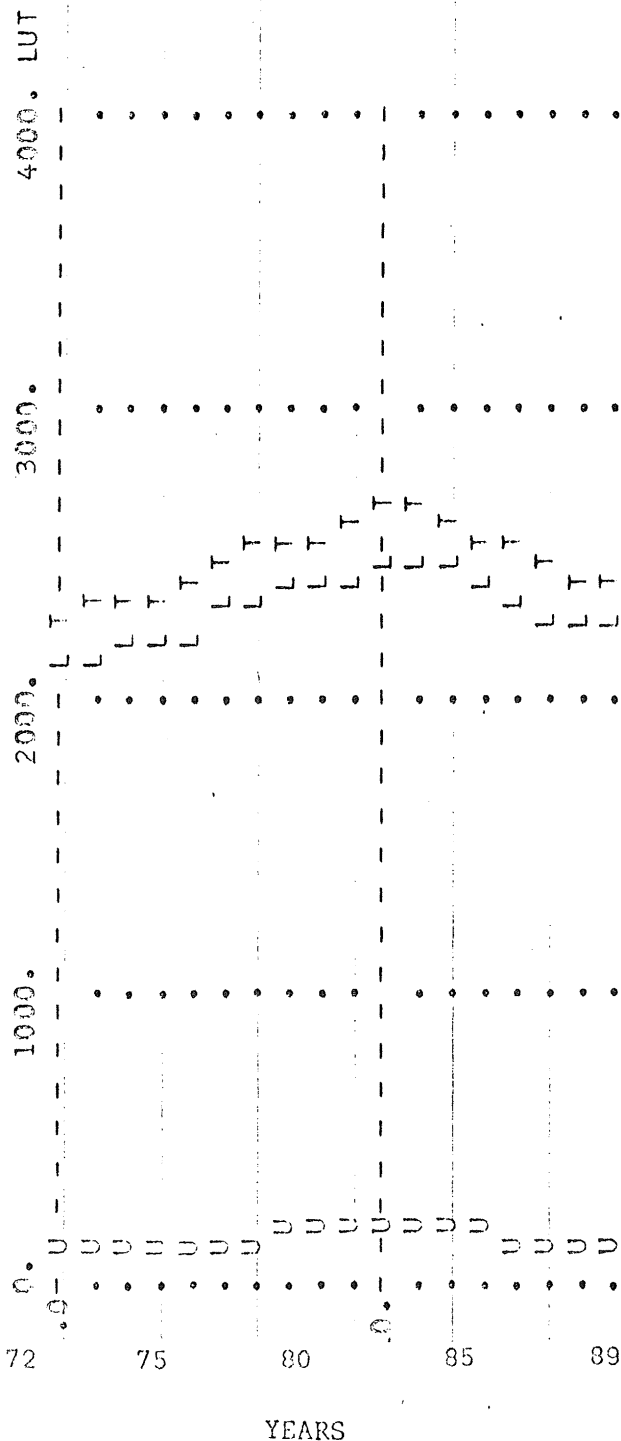
PAGE 50

PROJECTIONS BY INSTITUTION 1973-1989

3/28/73

METPG JC

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Metro SJC

1972 2254 *

1973 2304

1975 2365

1980 2543

1985 2535

1989 2394

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

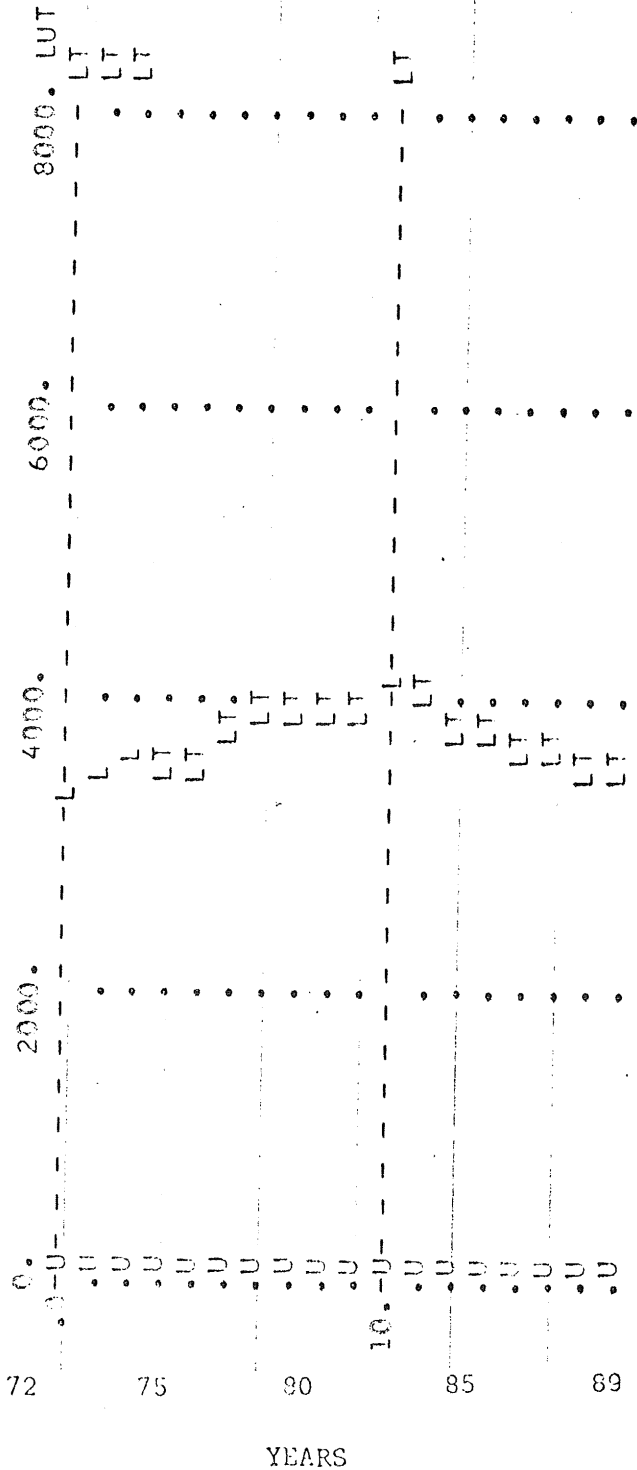
U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

PAC 55 PROJECTIONS BY INSTITUTION 1973-1989 NORMANDALE JC

3/28/73

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Normandale SJC

1972 3380 *

1973 3529

1975 3583

1980 3951

1985 3890

1989 3607

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

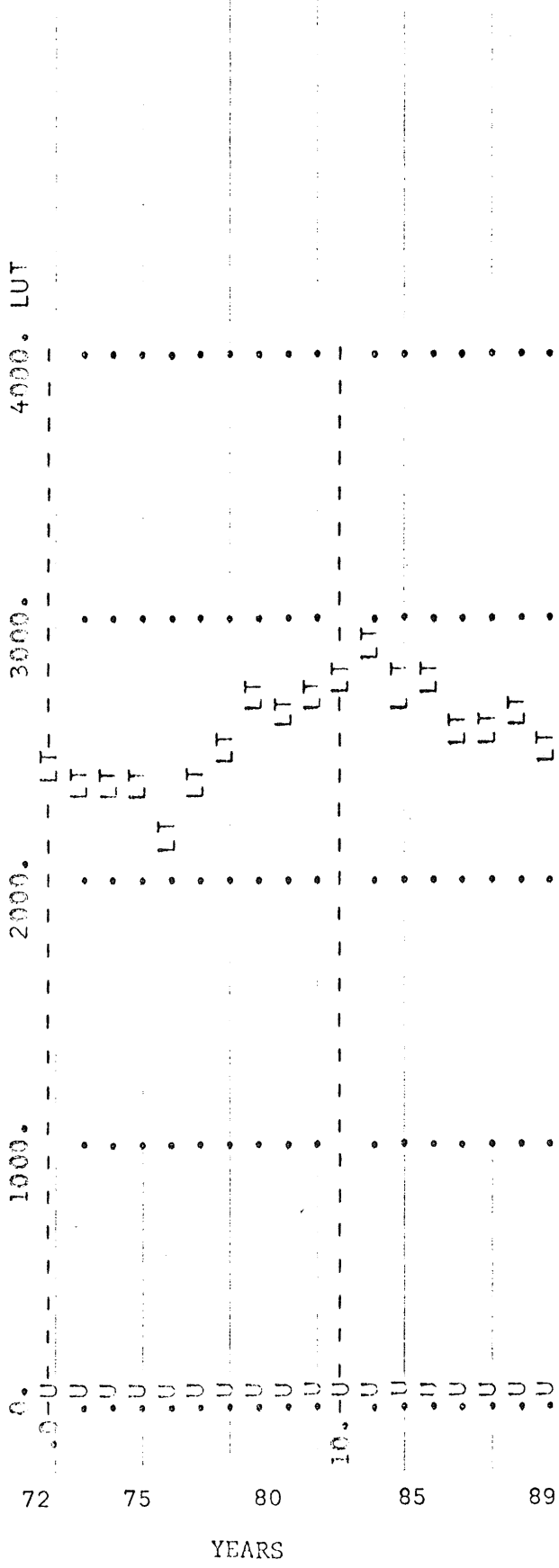
PAGE 60 PROJECTIONS BY INSTITUTION 1973-1989 NORTH HENNEPIN JC

3/28/73

1973-1989

PROJECTIONS BY INSTITUTION 1973-1989

IP=1 -UNK=U, TOTAL=T



TOTAL HEADCOUNT: North Hennepin SJC

1972 2478 *

1973 2407

1975 2414

1980 2645

1985 2817

1989 2503

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

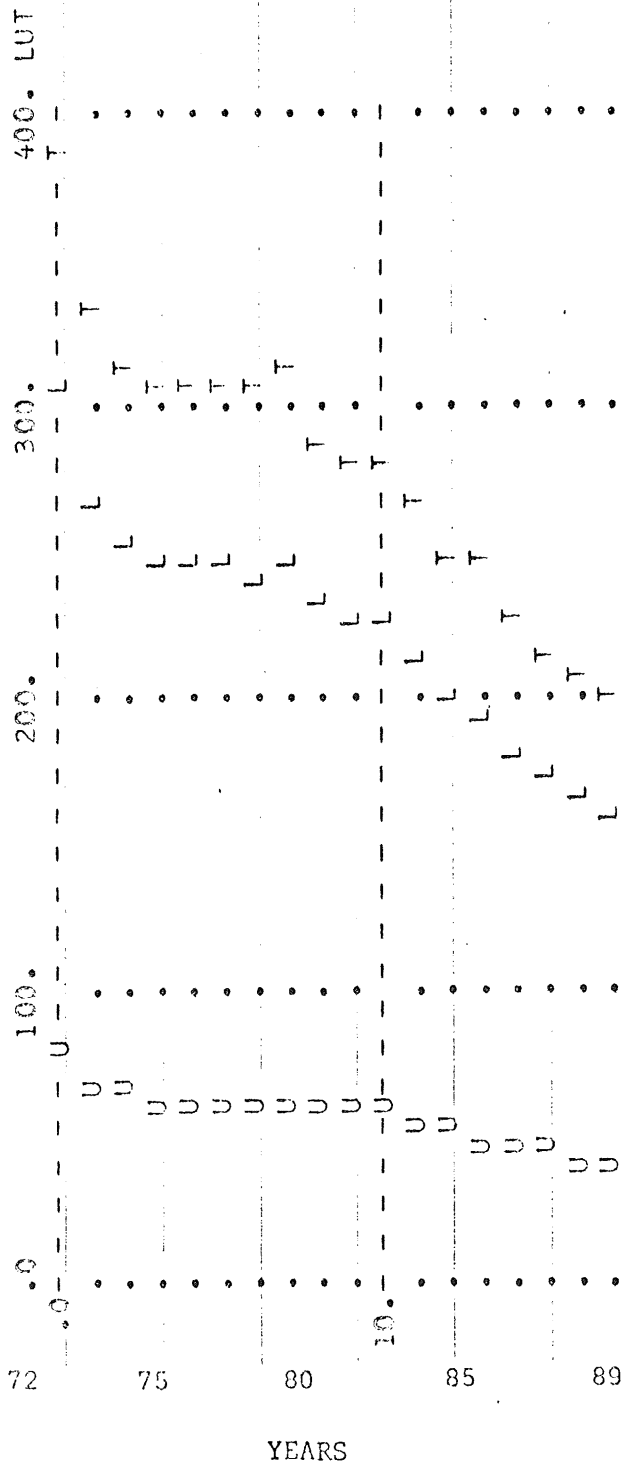
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

PAGE 5
PROJECTIONS BY INSTITUTION 1973-1989
3/28/73 NORTHLANDS JC

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Northland SJC

1972 385 *

1973 335

1975 306

1980 289

1985 243

1989 202

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

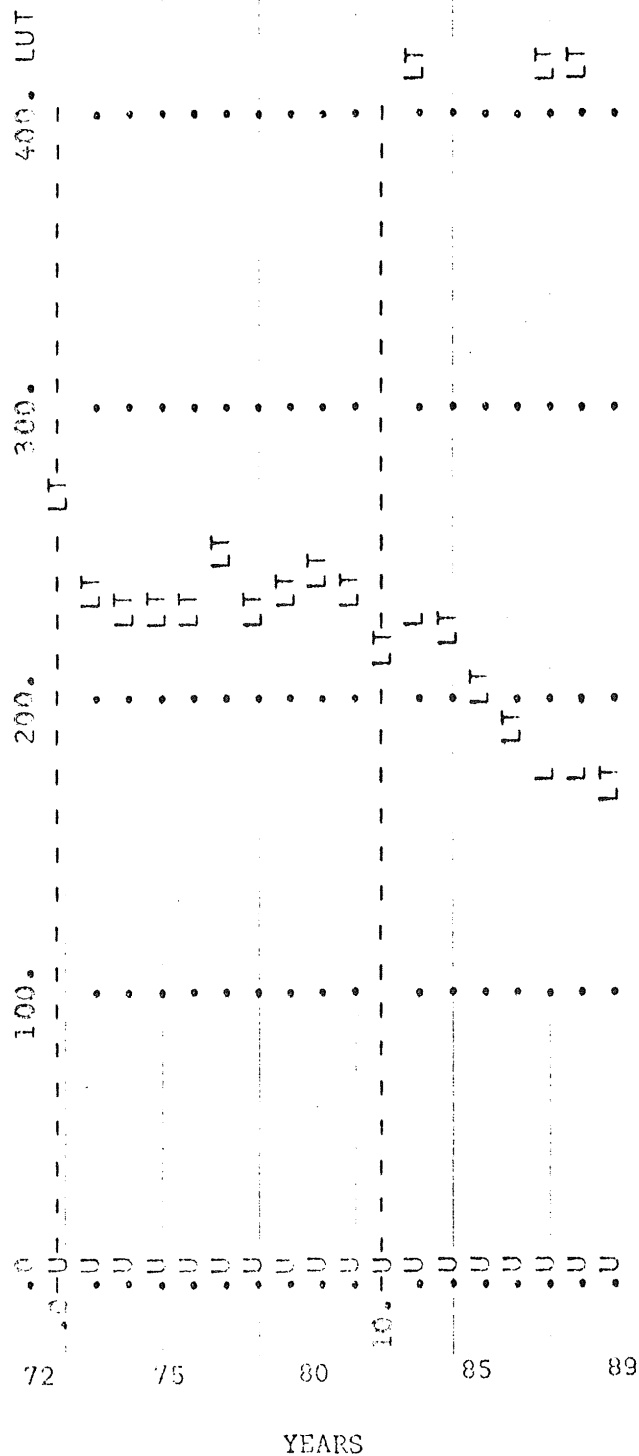
L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

PAGE 70 PROJECTIONS BY INSTITUTION 1973-19 RAINY RIVER RAINY RIVER 3/28/73

LC=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Rainy River SJC

1972	272	*
1973	242	
1975	232	
1980	244	
1985	206	
1989	170	

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
 LINEAR INCREASE OF PARTICIPATION RATES TO
 1970 VALUE BY 1979

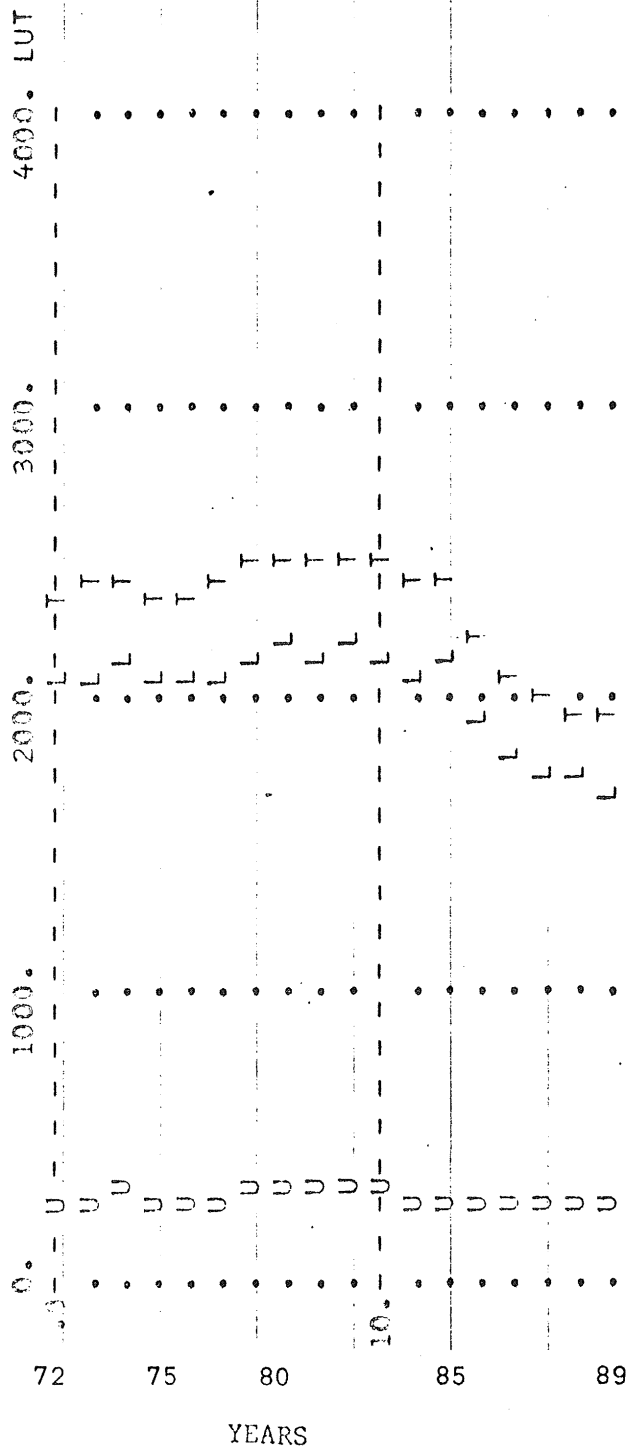
ROCHESTER JC

3/28/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 75

JNK=U, TOTAL=T



TOTAL HEADCOUNT: Rochester SJC

1972 2327 *

1973 2380

1975 2334

1980 2448

1985 2195

1989 1901

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

VERMILLION JC

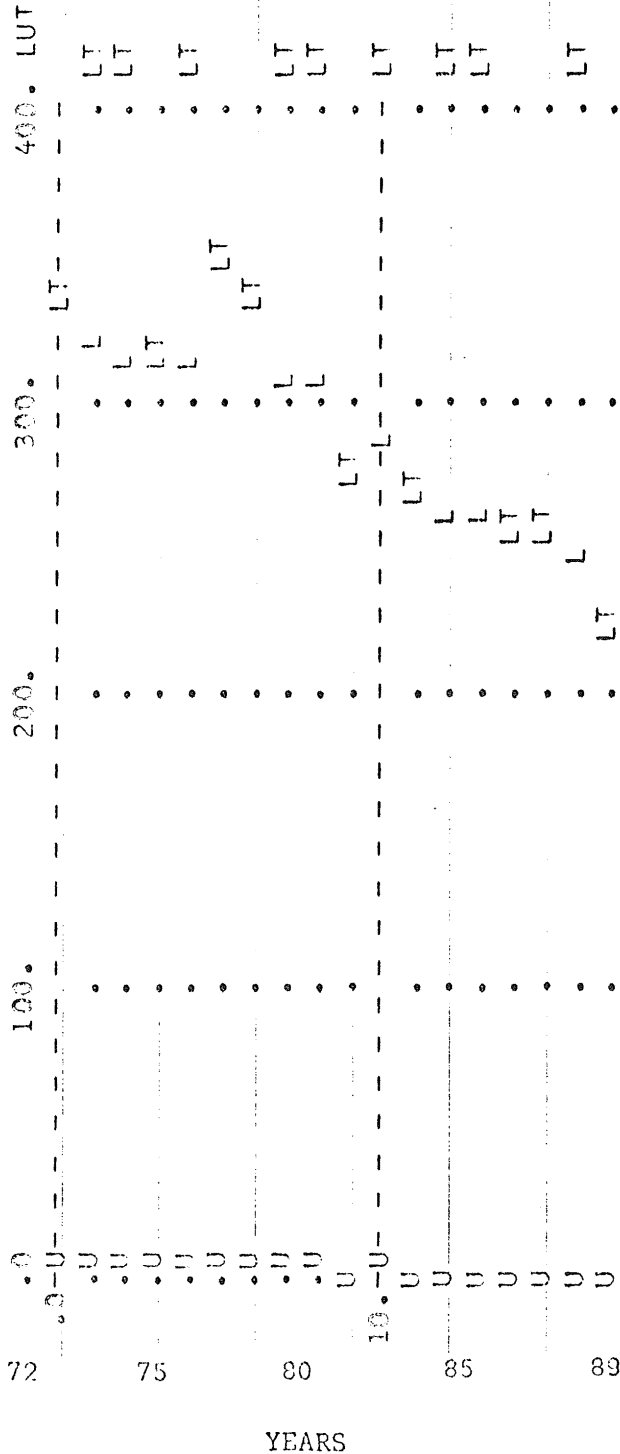
3/28/73

1973-19

PROJECTIONS BY INSTITUTION

PAGE 5

LC=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Vermillion SJC

1972 340 *

1973 323

1975 319

1980 307

1985 261

1989 225

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

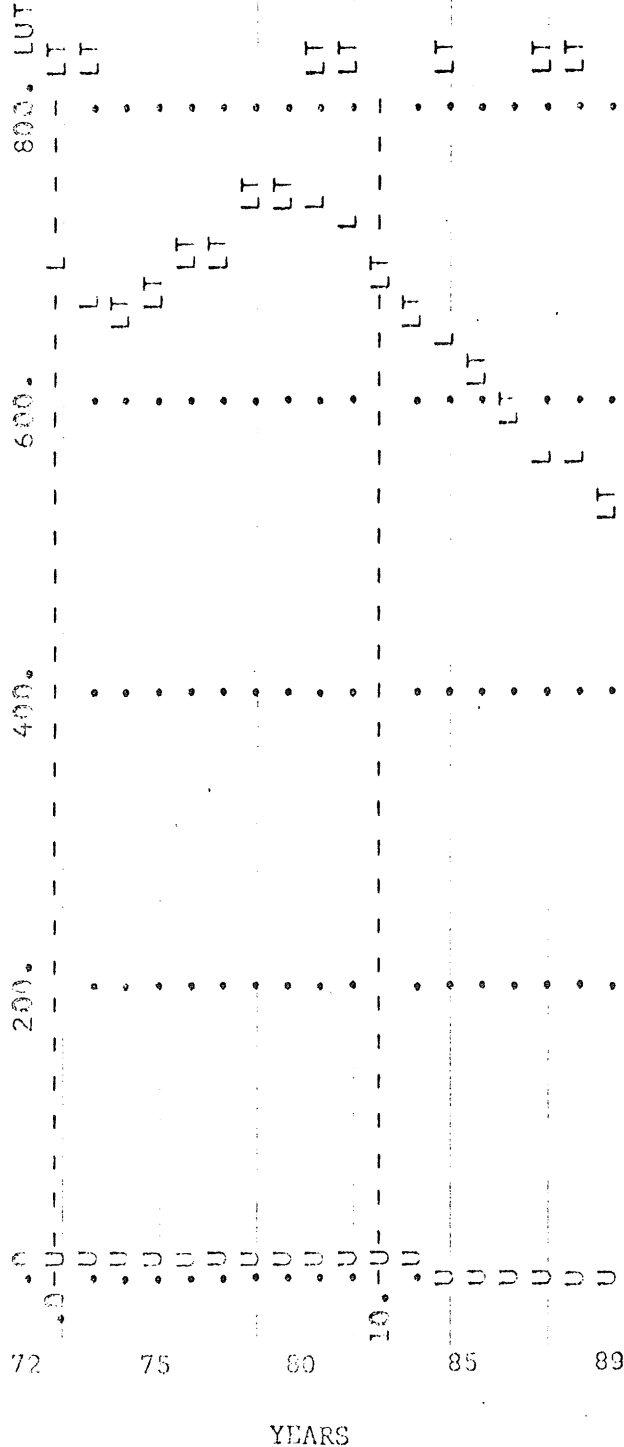
PROJECTED ENROLLMENTS 1973-1989
 LINEAR INCREASE OF PARTICIPATION RATES TO
 1970 VALUE BY 1979

PAGE 000 WILLMAR JC

3/28/73

PROJECTIONS BY INSTITUTION 1973-1989

LD=L, UNK=U, TOTAL=T



TOTAL HEADCOUNT: Willmar SJC

1972 694 *

1973 672

1975 678

1980 739

1985 626

1989 528

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

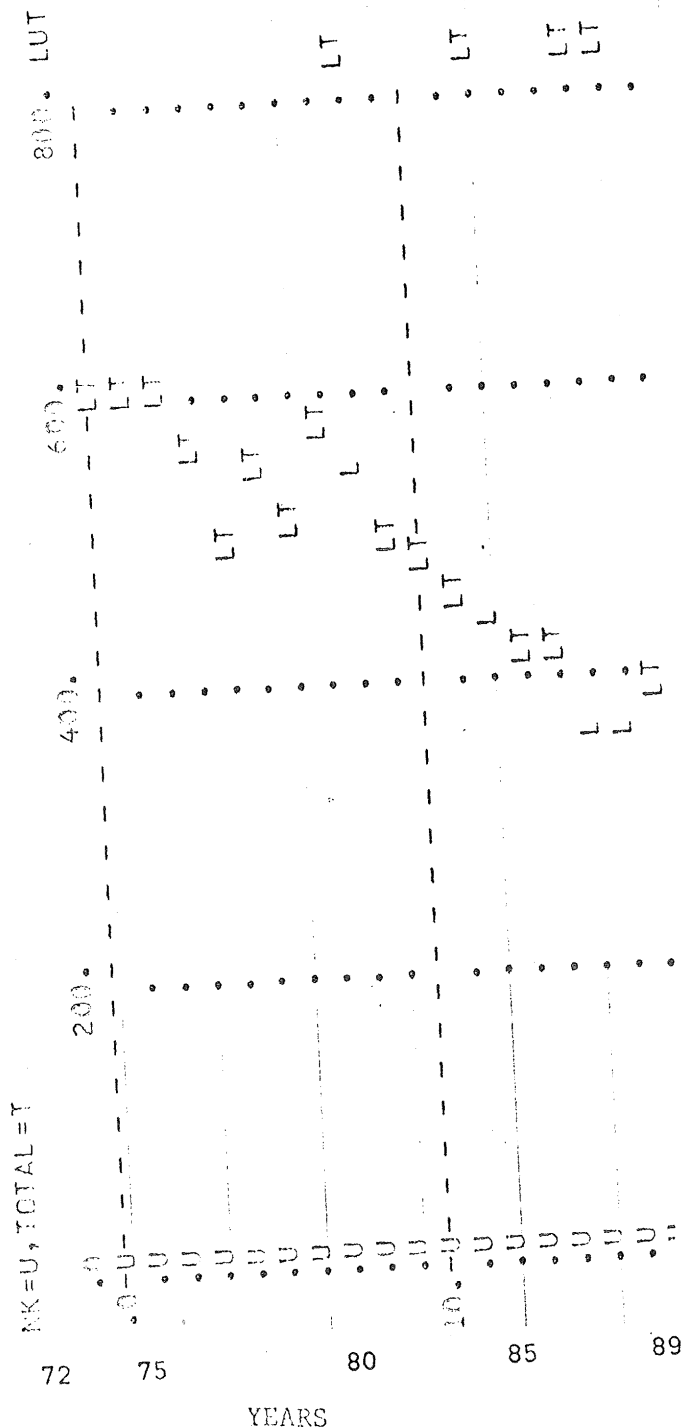
PROJECTED ENROLLMENTS 1973-1989
LINEAR INCREASE OF PARTICIPATION RATES TO
1970 VALUE BY 1979

WORTHINGTON JC

3/28/73

29

PROJECTIONS BY INSTITUTION 1973-



TOTAL HEADCOUNT: Worthington SJC

1972 618 *

1973 611

1975 567

1980 551

1985 425

1989 400

*Actual Enrollment

LEGEND

T = Total Headcount = L + U

L = Lower Division

U = Unclassified

AREA VOCATIONAL-TECHNICAL INSTITUTES, SIMULATION 1:

"PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS"

NOTE: Dakota County, East Grand Forks, Hutchinson, Red
Wing, and Suburban Hennepin Adjusted to the
Department of Education Enrollment Estimates

PROJECTED ENROLLMENTS 1973-1989
 USING 1972 PARTICIPATION RATES,
 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
 AND INCLUDING CURRENT ENROLLMENT LIMITS

ALBERT LEA AVTI

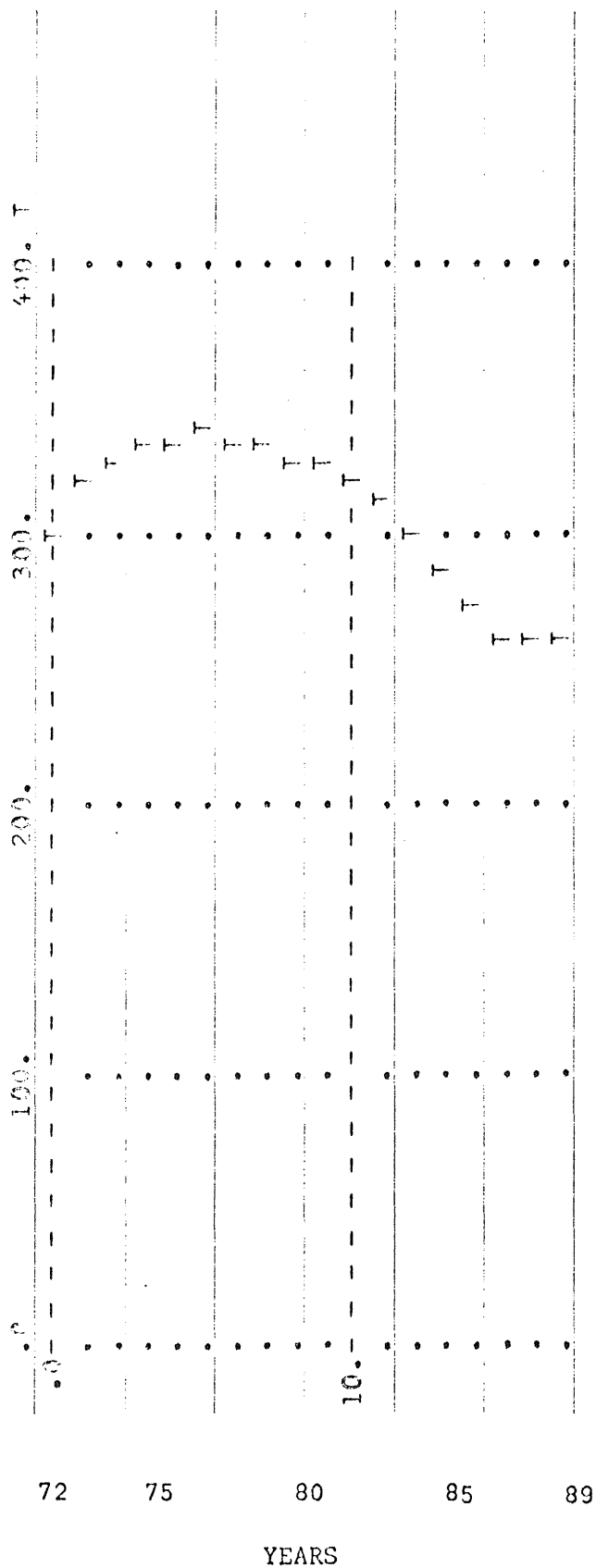
3/26/73

1989

PROJECTIONS BY INSTITUTION 1973-1989

5

TC=T



TOTAL HEADCOUNT Albert Lea AVTI

1972 299 *

1973 319

1975 331

1980 329

1985 287

1989 257

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

ALEXANDRIA AVTI

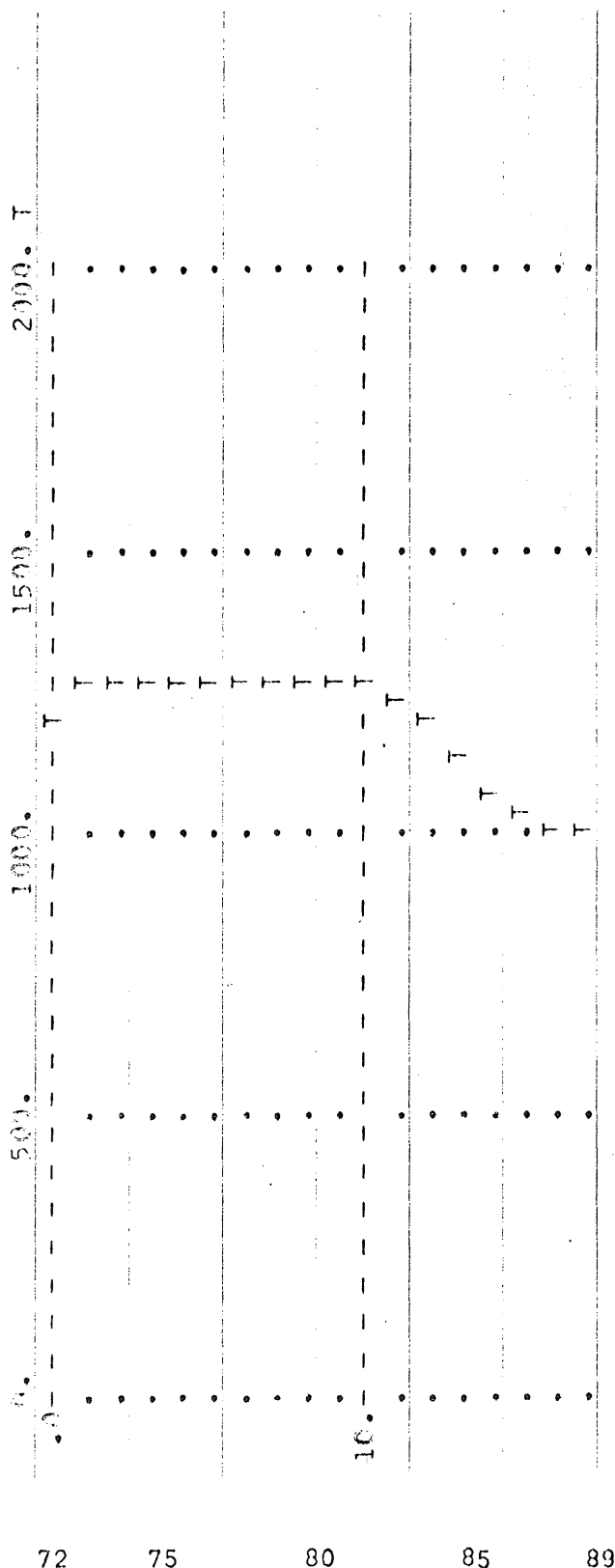
3/26/73

589

PROJECTIONS BY INSTITUTION 1973-1989

9

LC=T



TOTAL HEADCOUNT Alexandria AVTI

1972 1209 *

1973 1269

1975 1269

1980 1269

1985 1135

1989 989

*Actual Enrollment

LEGEND

T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

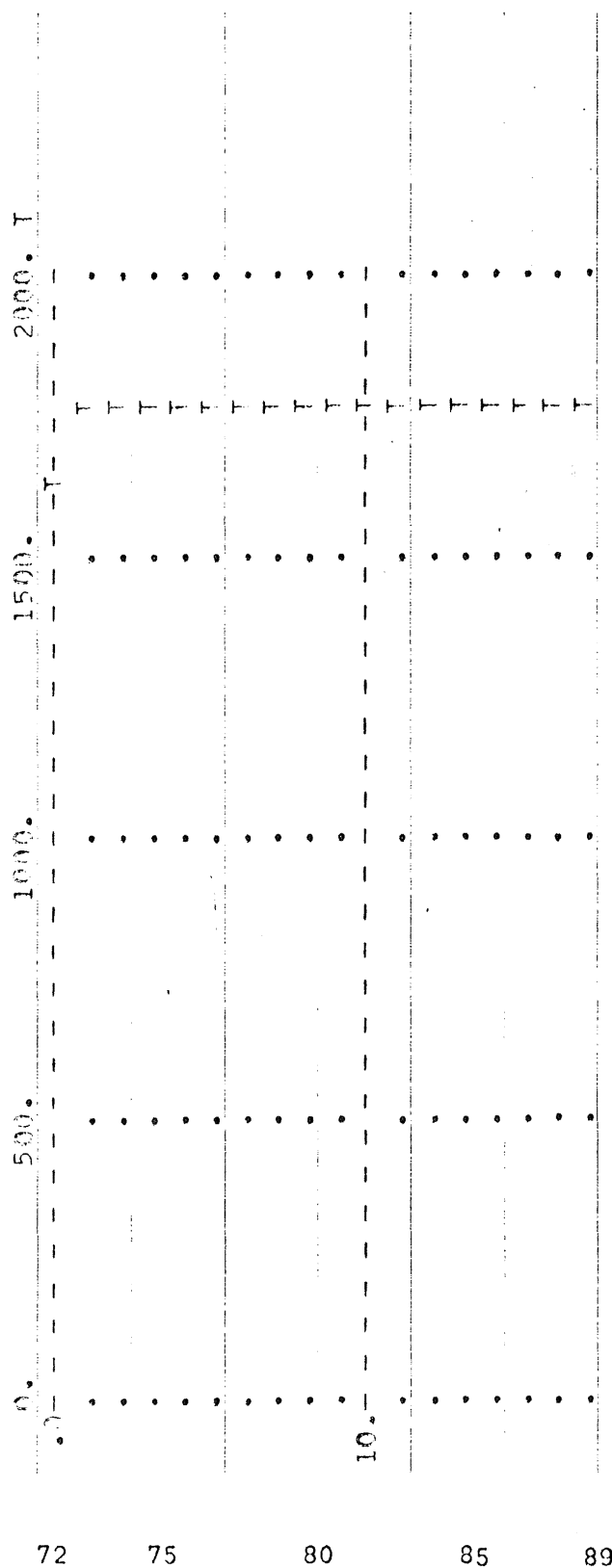
ANOKA AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

13

LC=T



TOTAL HEADCOUNT Anoka AVTI

1972 1647 *

1973 1767

1975 1767

1980 1767

1985 1767

1989 1767

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

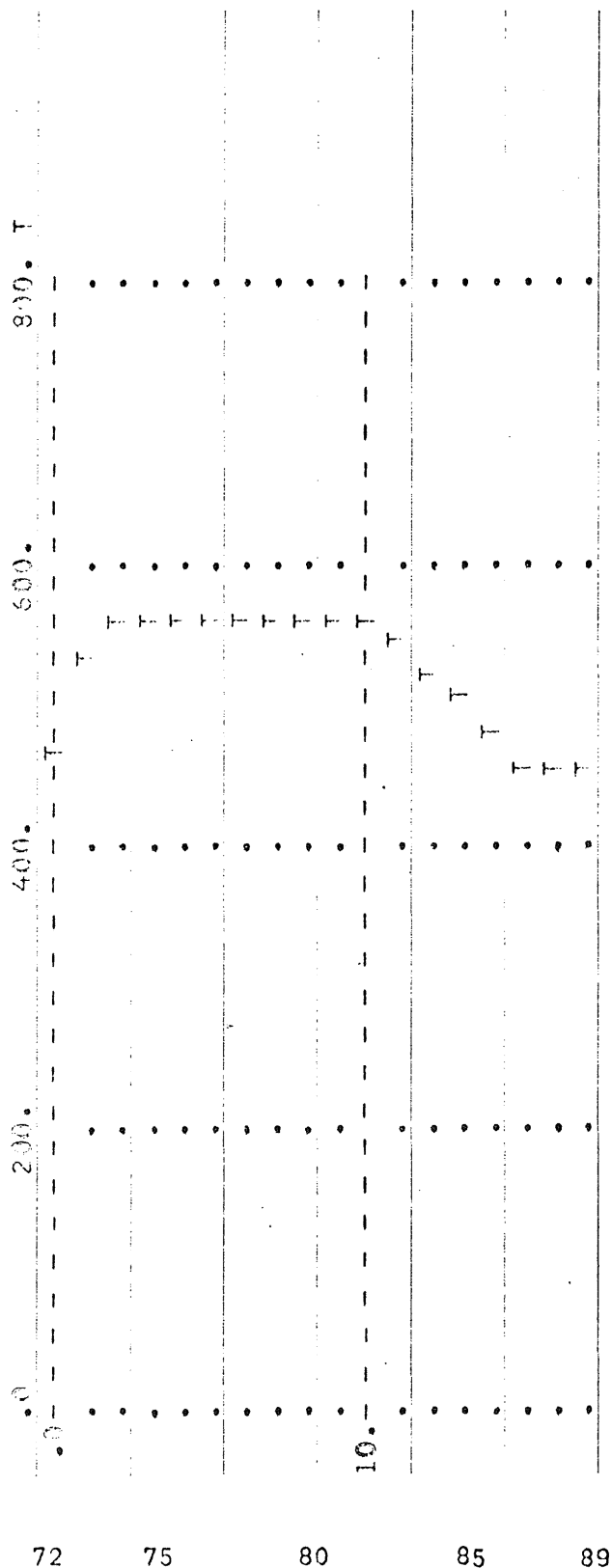
AUSTIN AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

17

AC=T



TOTAL HEADCOUNT Austin AVTI

1972 466 *

1973 536

1975 566

1980 566

1985 502

1989 450

*Actual Enrollment

LEGEND

T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

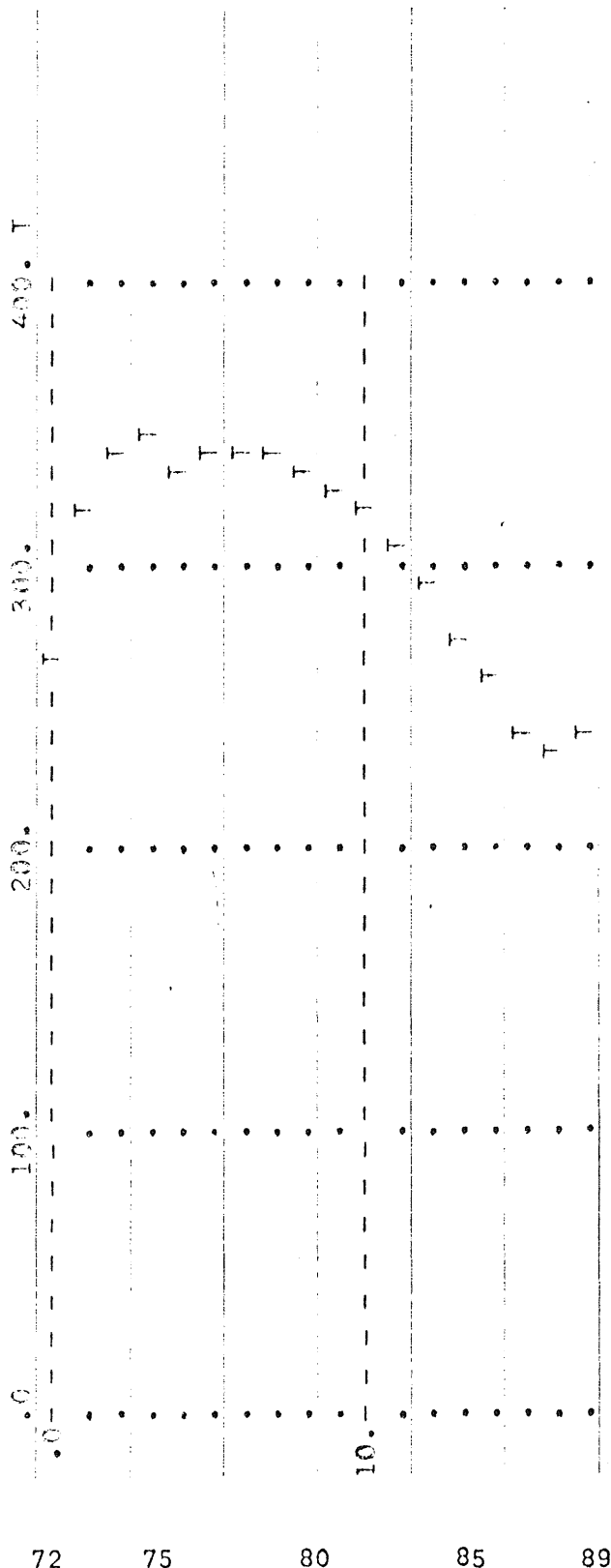
21 BEMIDJI AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

21

HC=T



TOTAL HEADCOUNT Bemidji AVTI

1972 266 *

1973 319

1975 343

1980 334

1985 274

1989 238

*Actual Enrollment

LEGEND

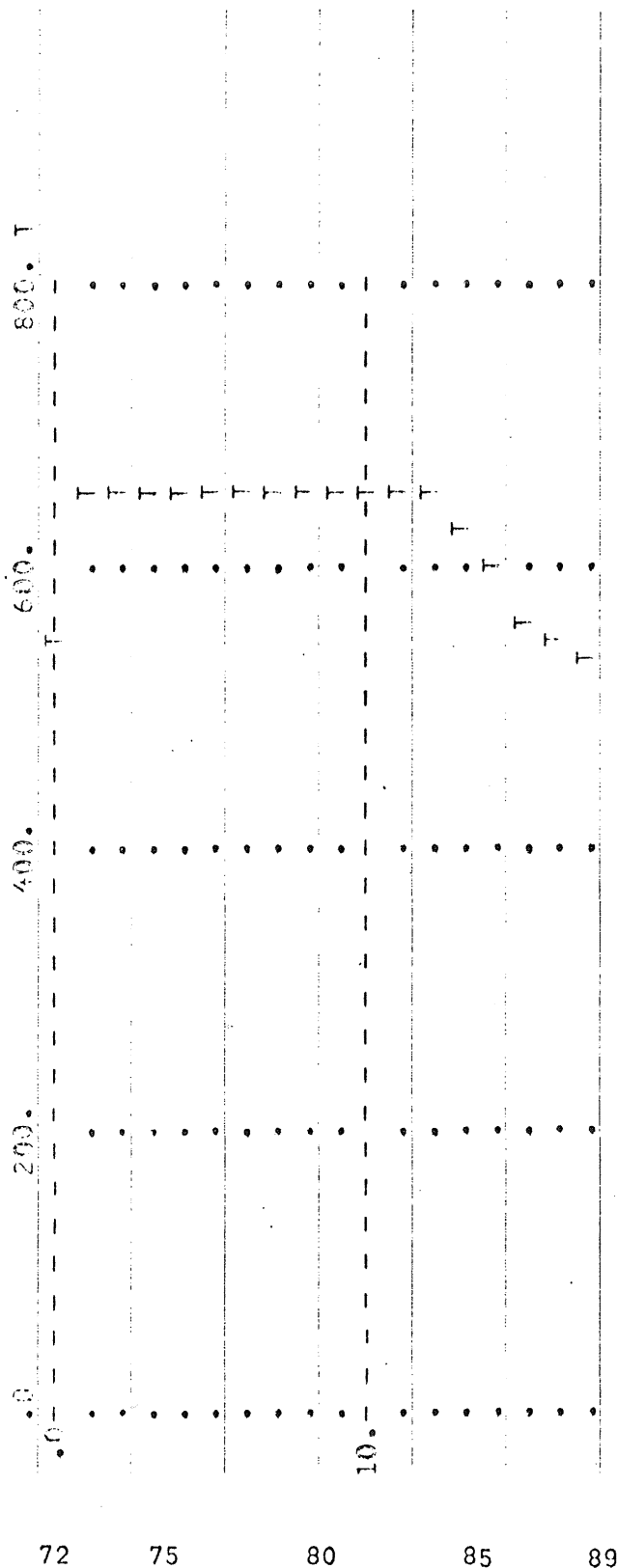
T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

25 PROJECTIONS BY INSTITUTION 1973-1989 3/26/73 BRAINERD AVTI

PC=7



TOTAL HEADCOUNT Brainerd AVTI

1972 552 *

1973 652

1975 652

1980 652

1985 632

1989 539

*Actual Enrollment

LEGEND

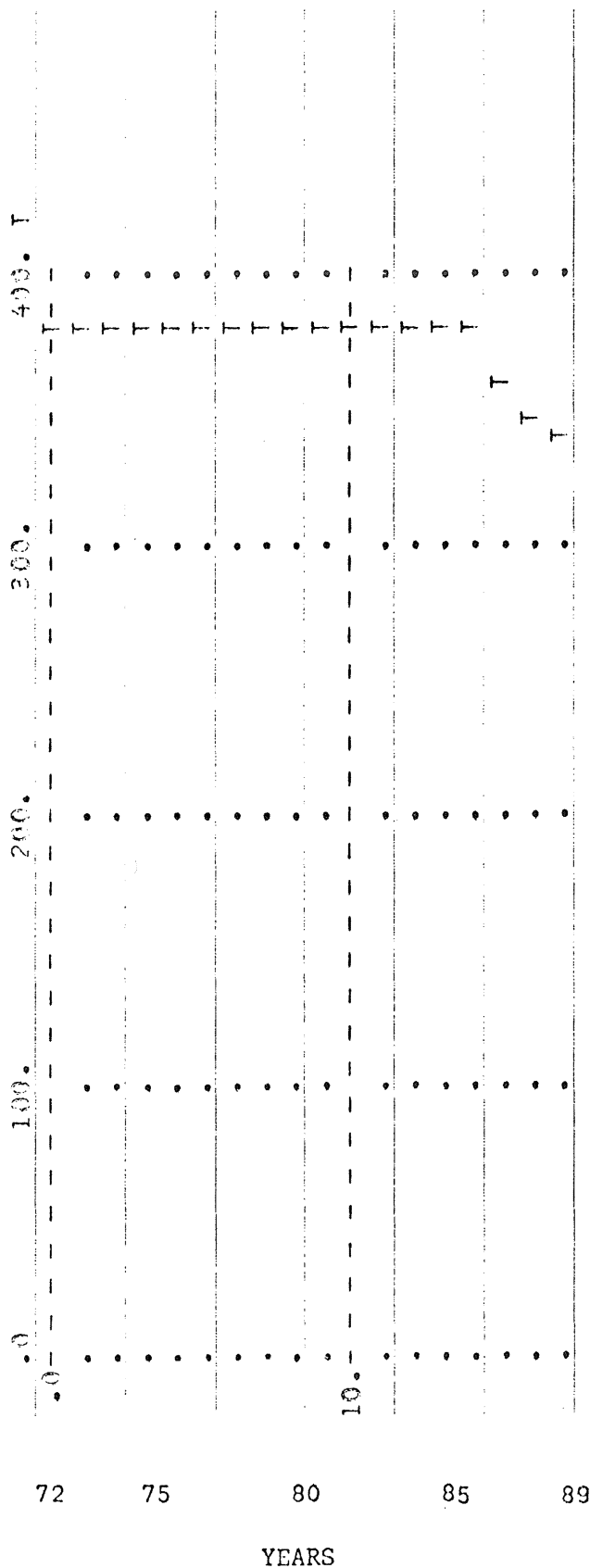
T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

PAGE 29 PROJECTIONS BY INSTITUTION 1973-1989 CANBY AVTI 3/26/73

HC=T



TOTAL HEADCOUNT Canby AVTI

1972 380 *

1973 380

1975 380

1980 380

1985 380

1989 340

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING 1972 PARTICIPATION RATES,
 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
 AND INCLUDING CURRENT ENROLLMENT LIMITS

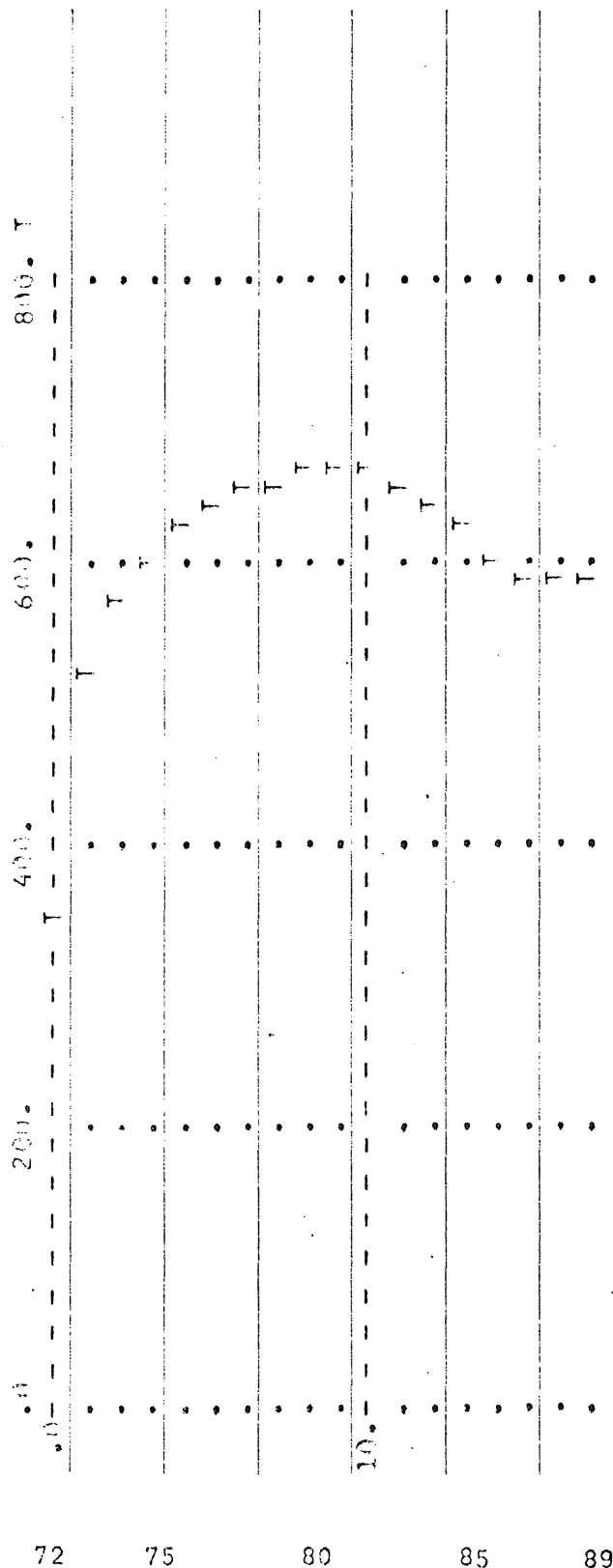
DAKOTA COUNTY AVTI

4/19/73

-1989

PROJECTIONS BY INSTITUTION 19

PC=T



TOTAL HEADCOUNT Dakota County AVTI

1972 346 *

1973 514

1975 604

1980 661

1985 624

1989 588

*Actual Enrollment

LEGEND

T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

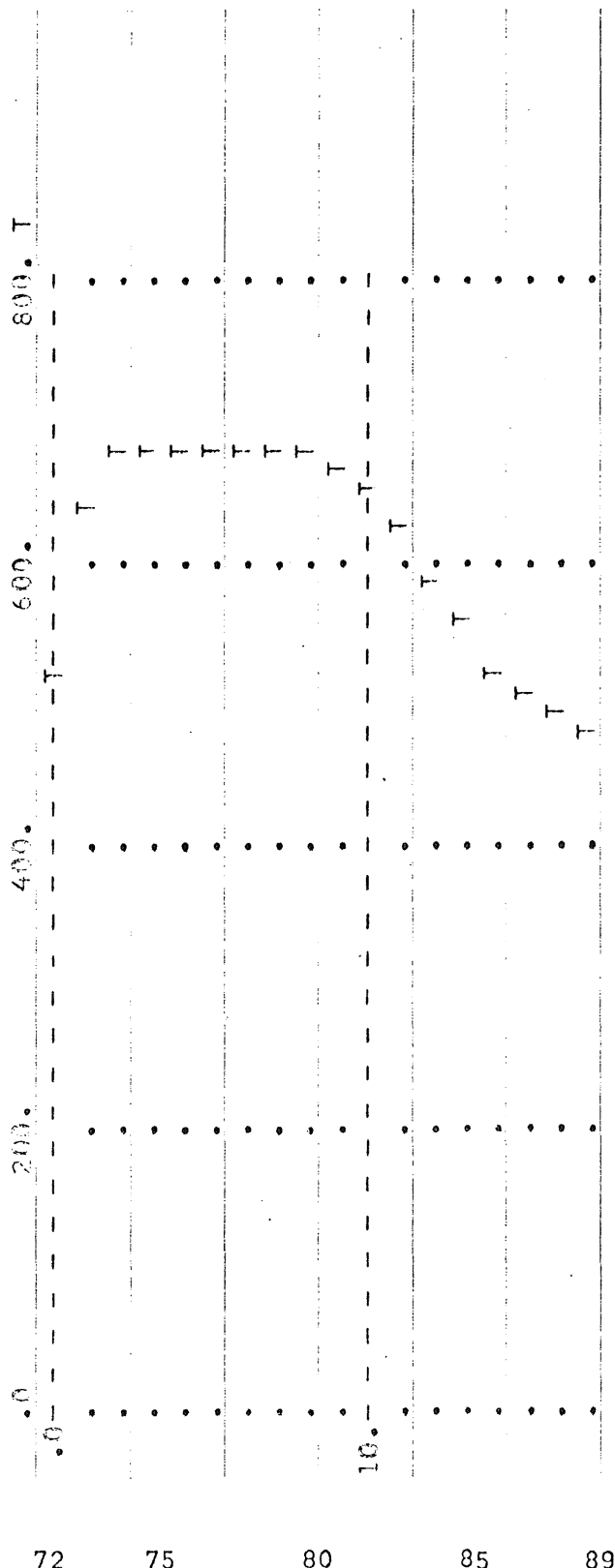
DETROIT LAKES AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 37

HC=T



TOTAL HEADCOUNT Detroit Lakes AVTI

1972 515 *

1973 643

1975 675

1980 675

1985 558

1989 483

*Actual Enrollment

LEGEND

T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

DULUTH AVTI

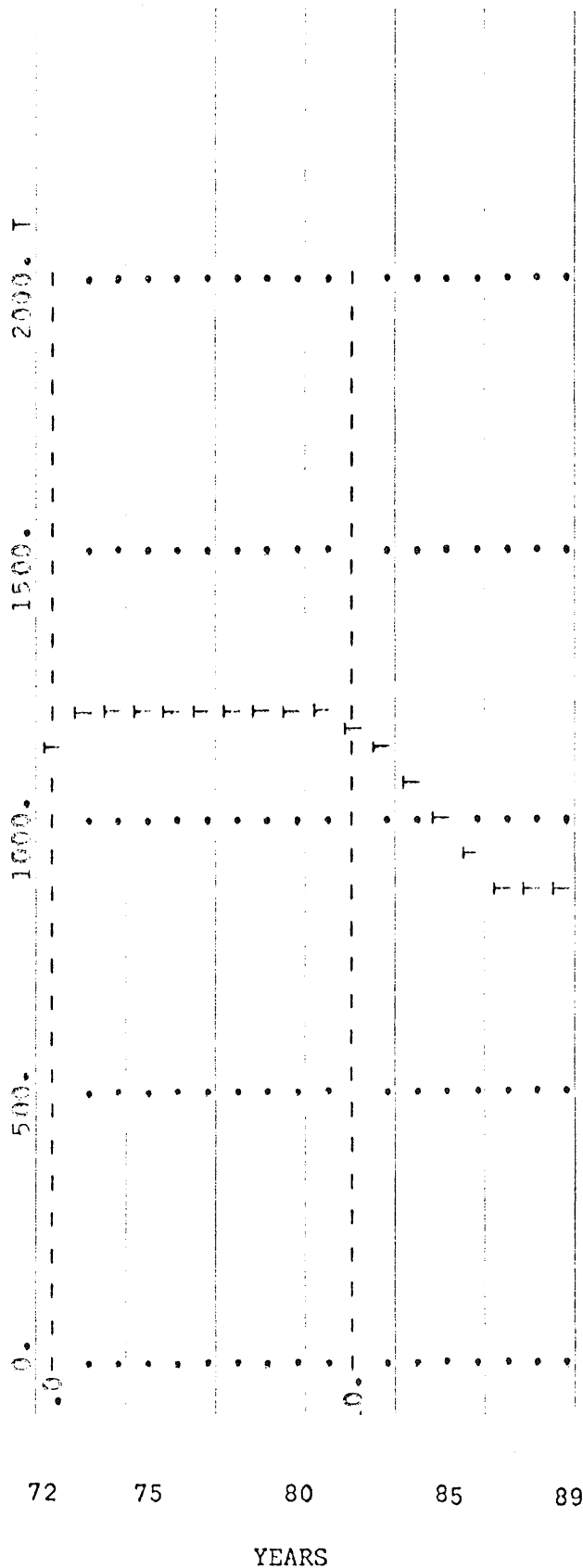
3/26/73

1973-1989

PROJECTIONS BY INSTITUTION

PAGE 41

PC=T



TOTAL HEADCOUNT Duluth AVTI

1972 1136 *

1973 1186

1975 1186

1980 1186

1985 1004

1989 857

*Actual Enrollment

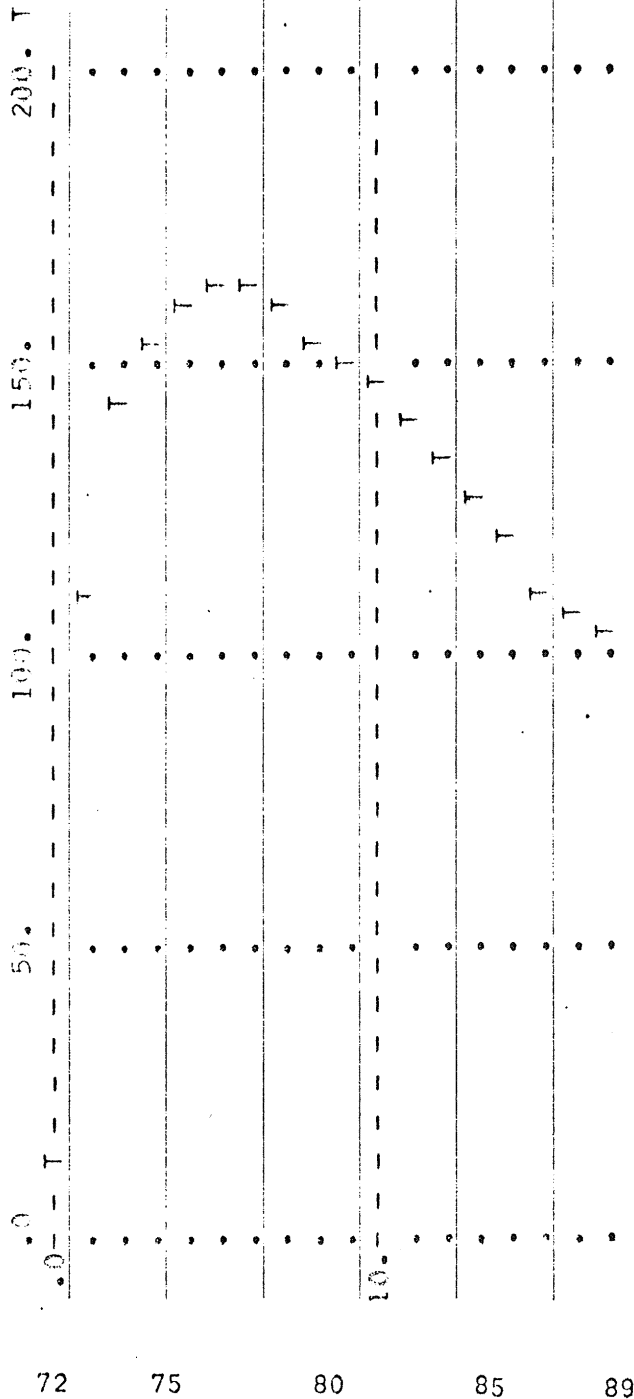
LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING 1972 PARTICIPATION RATES,
 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
 AND INCLUDING CURRENT ENROLLMENT LIMITS

PAGE 45 PROJECTIONS BY INSTITUTION 73-1989 4/06/73 EAST GRAND FORKS AV

FCAT



TOTAL HEADCOUNT East Grand Forks AVTI

1972 14 *

1973 108

1975 154

1980 154

1985 126

1989 104

*Actual Enrollment

LEGEND

T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
 USING 1972 PARTICIPATION RATES,
 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
 AND INCLUDING CURRENT ENROLLMENT LIMITS

EVELETH AVTI

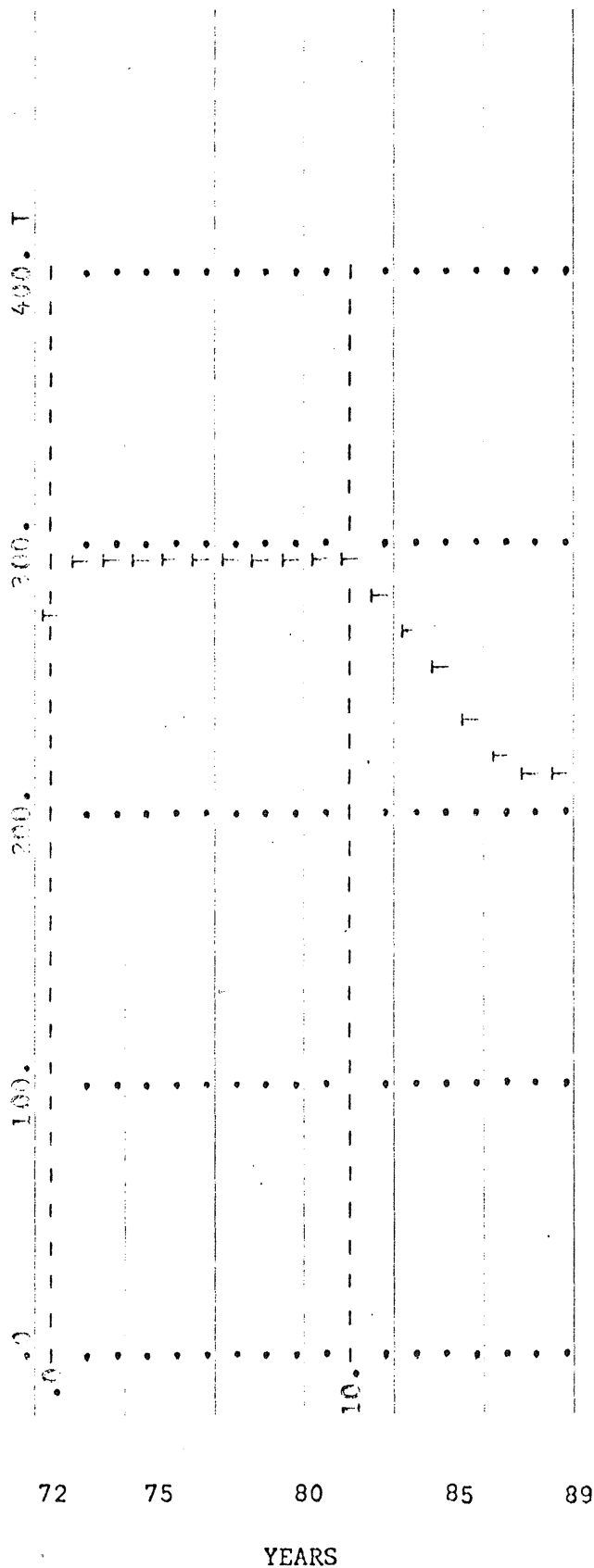
3/26/73

1973-1989

PROJECTIONS BY INSTITUTION

F 49

FC=T



TOTAL HEADCOUNT Eveleth AVTI

1972 271 *

1973 291

1975 291

1980 291

1985 250

1989 212

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING 1972 PARTICIPATION RATES,
 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
 AND INCLUDING CURRENT ENROLLMENT LIMITS

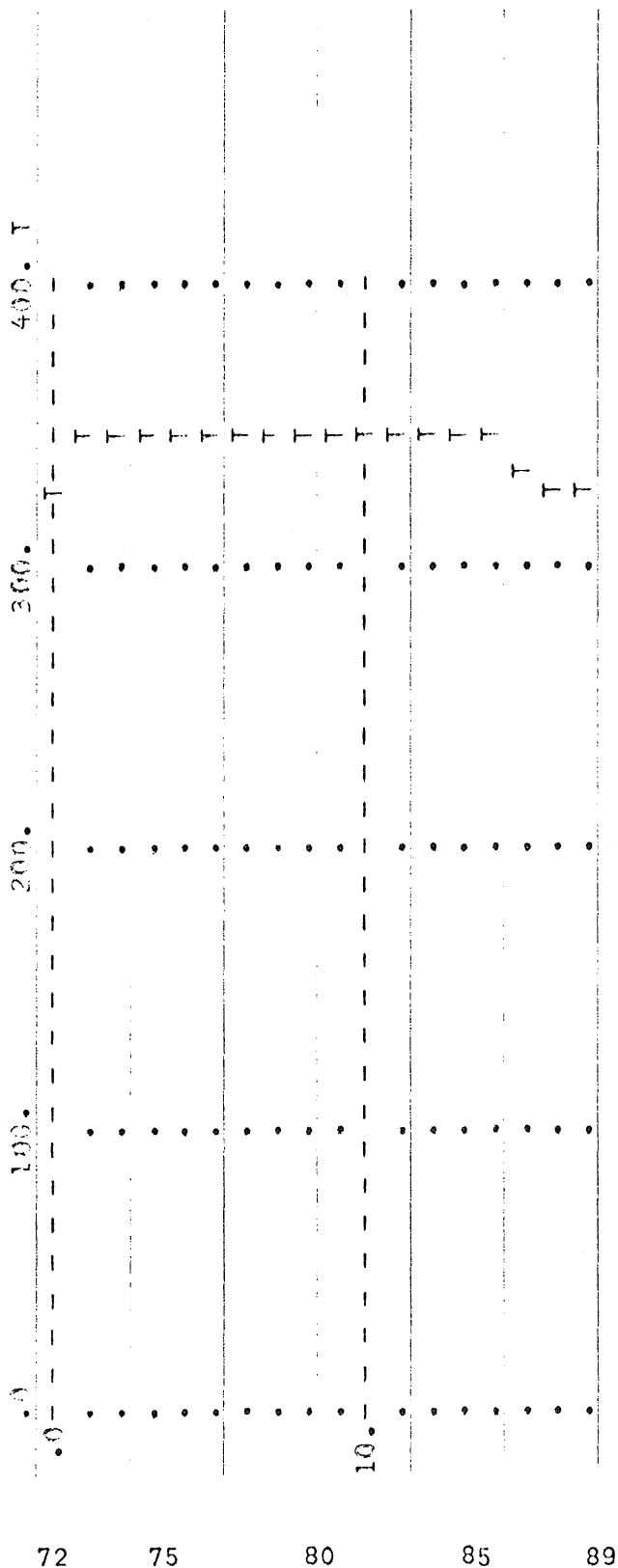
FARIBAUT AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PA 53

HC=T



TOTAL HEADCOUNT Faribault AVTI

1972 327 *

1973 347

1975 347

1980 347

1985 347

1989 329

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

GRANITE FALLS AVTI

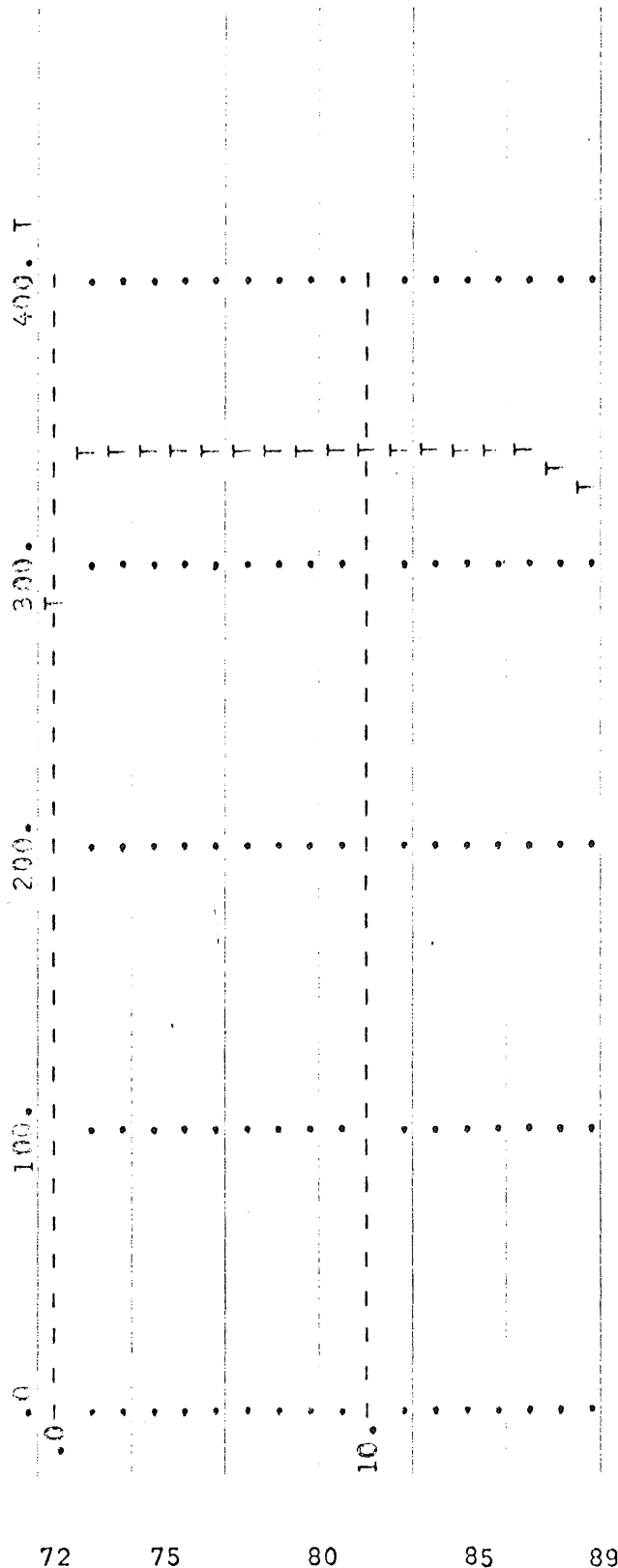
3/26/73

1973-1989

PROJECTIONS BY INSTITUTION

PAGE 57

P-C=T



TOTAL HEADCOUNT Granite Falls AVTI

1972 288 *

1973 338

1975 338

1980 338

1985 338

1989 324

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

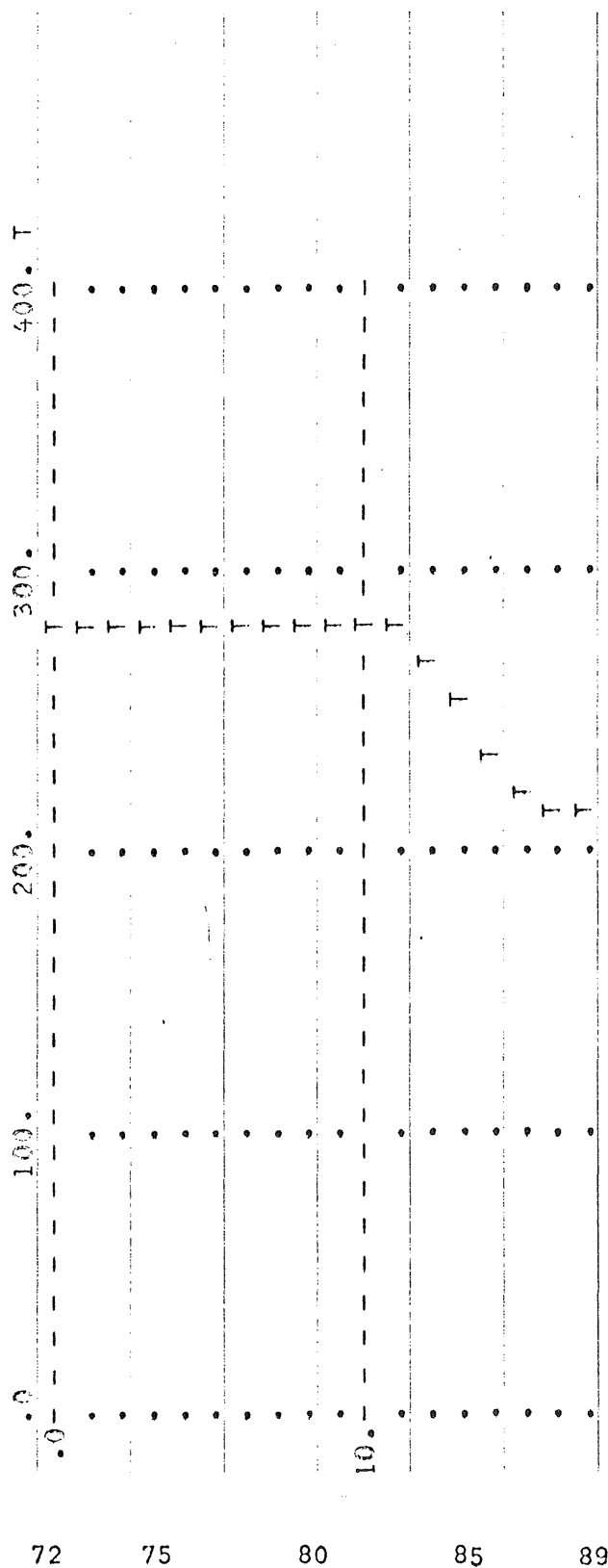
HIBBING AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

F 61

PC=T



TOTAL HEADCOUNT Hibbing AVTI

1972 283 *

1973 316

1975 333

1980 315

1985 251

1989 214

*Actual Enrollment

LEGEND

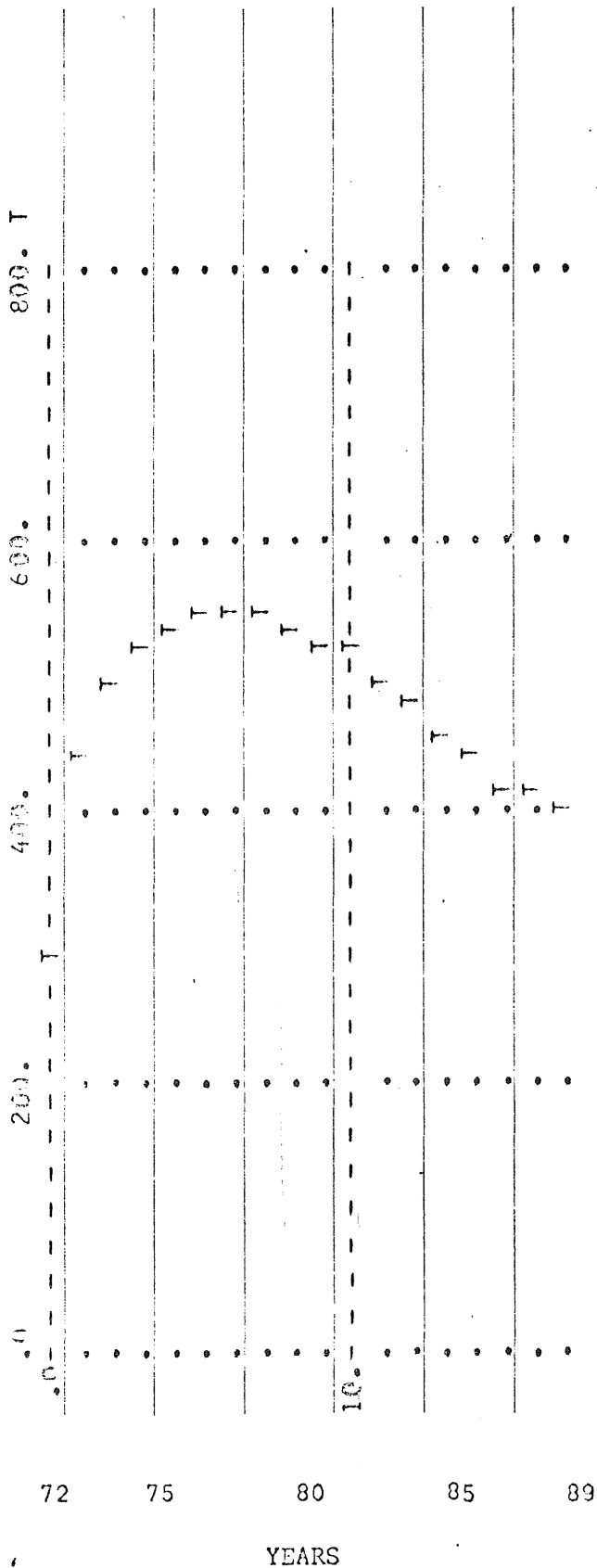
T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

PAGE 65 PROJECTIONS BY INSTITUTION 1973-1989 HUTCHINSON AVTI

PC=T



TOTAL HEADCOUNT Hutchinson AVTI

1972 295 *

1973 445

1975 523

1980 535

1985 459

1989 400

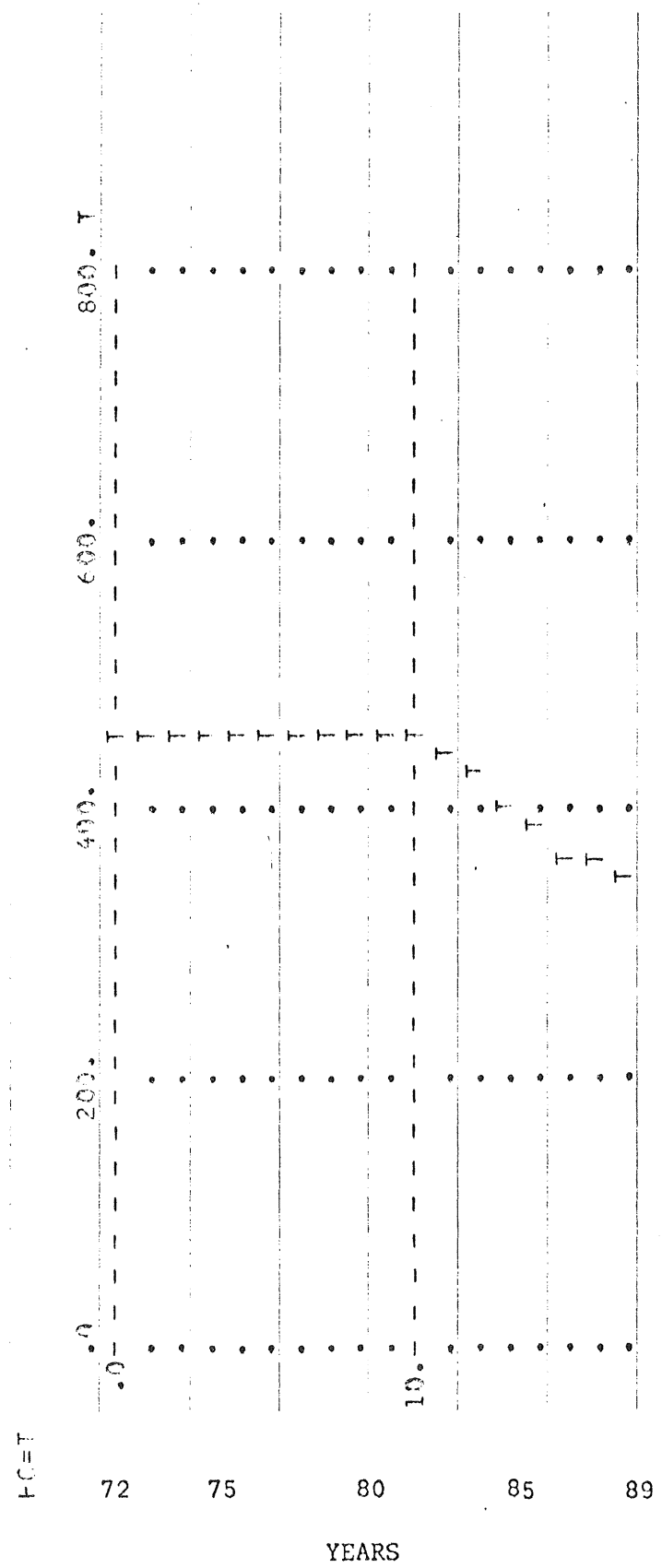
*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

PAGE 69 PROJECTIONS BY INSTITUTION 1973-1989 JACKSON AVTI 3/26/73



TOTAL HEADCOUNT Jackson AVTI

1972	454	*
1973	454	
1975	454	
1980	454	
1985	404	
1989	352	

*Actual Enrollment

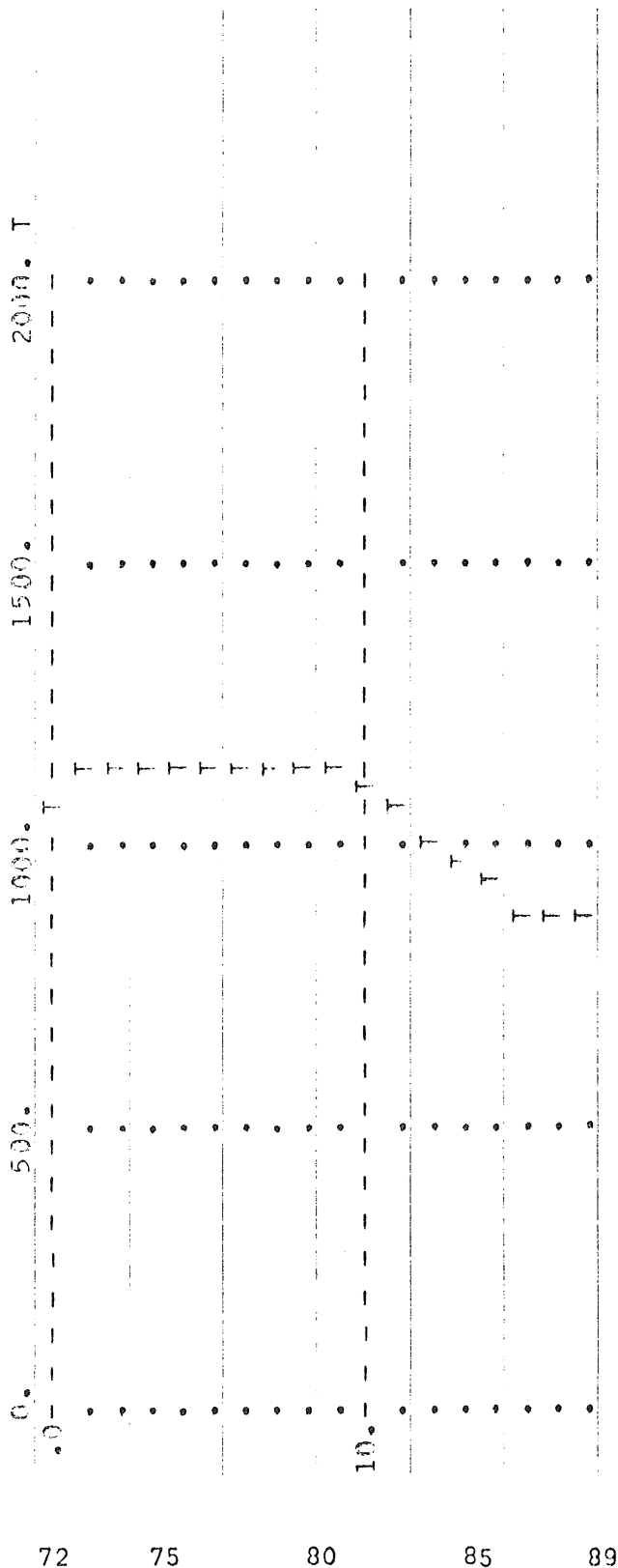
LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

PAGE 73 PROJECTIONS BY INSTITUTION 1973-89 MANKATO AVTI

HC=T



TOTAL HEADCOUNT Mankato AVTI

1972 1066 *

1973 1126

1975 1126

1980 1126

1985 970

1989 878

*Actual Enrollment

LEGEND

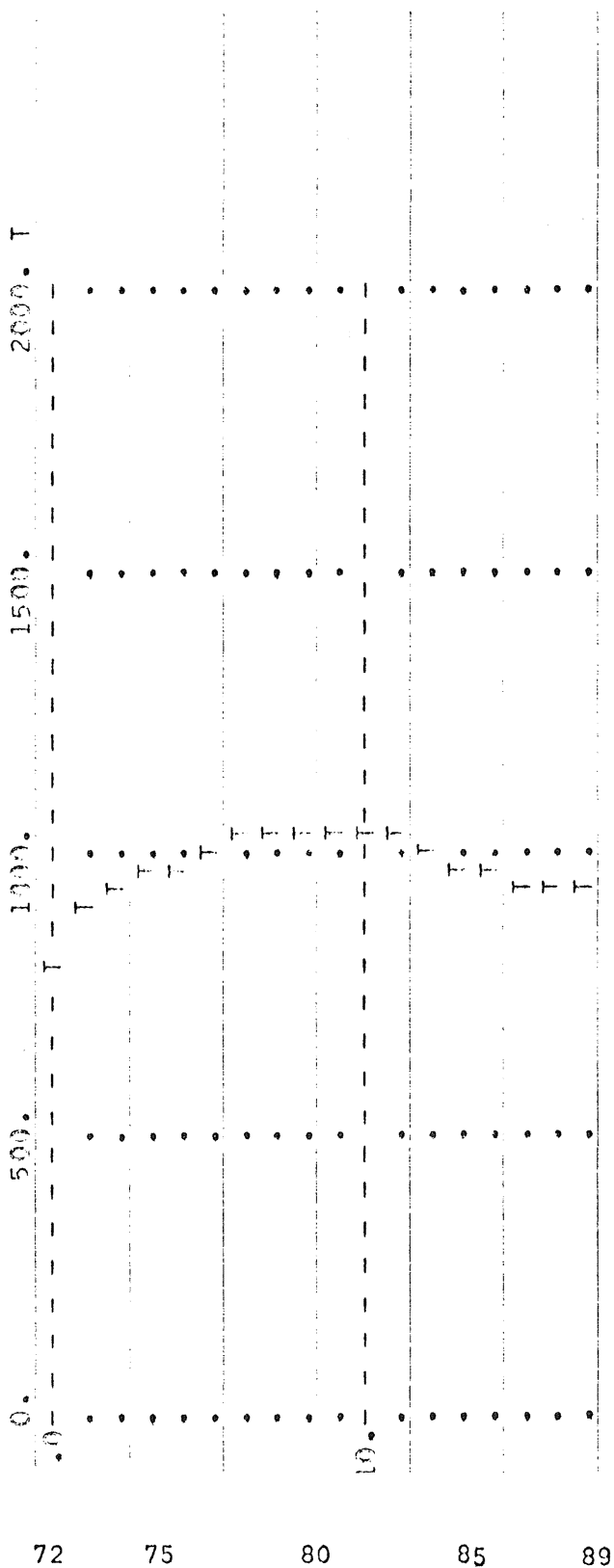
T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

PA 77 PROJECTIONS BY INSTITUTION 197 989 3/26/73 MINNEAPOLIS AVTI

HC=T



TOTAL HEADCOUNT Minneapolis AVTI

1972 813 *

1973 896

1975 953

1980 1035

1985 980

1989 925

*Actual Enrollment

LEGEND

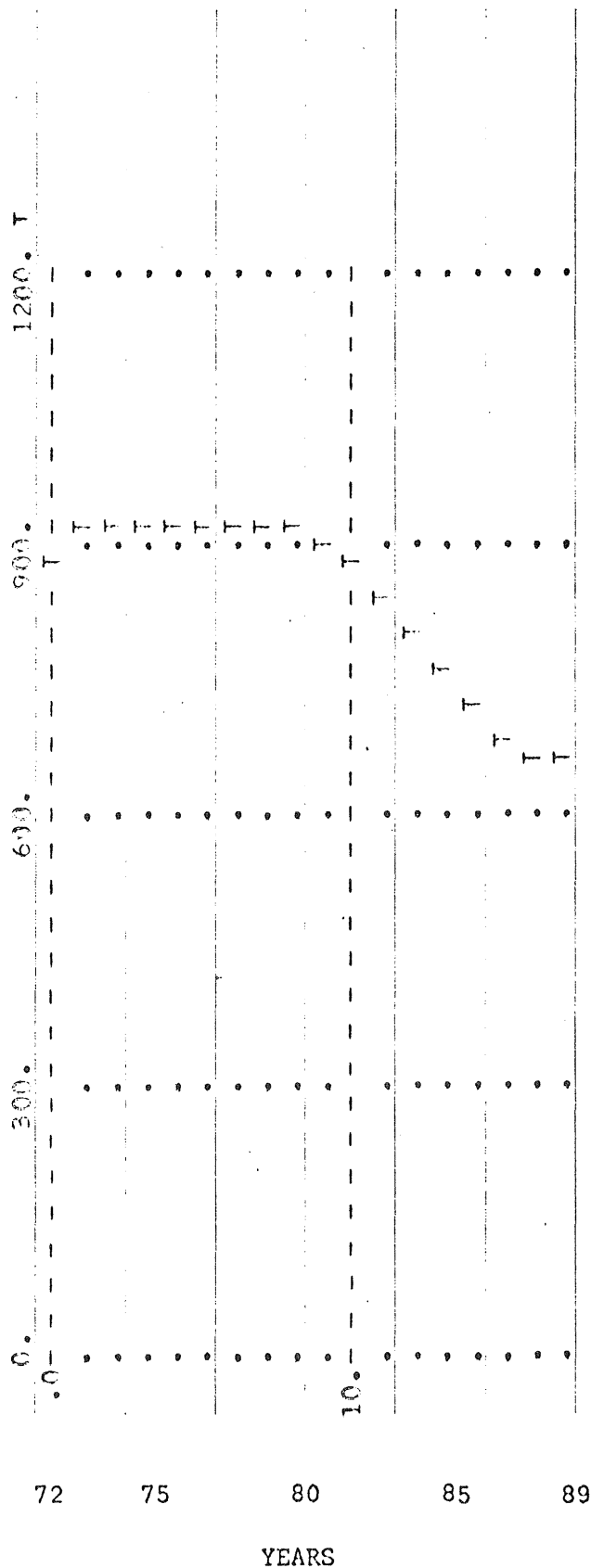
T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

PAGE 51 PROJECTIONS BY INSTITUTION 1973-1989 MOORHEAD AVTI

HC=T



TOTAL HEADCOUNT Moorhead AVTI

1972	876	*
1973	926	
1975	926	
1980	926	
1985	763	
1989	653	

*Actual Enrollment

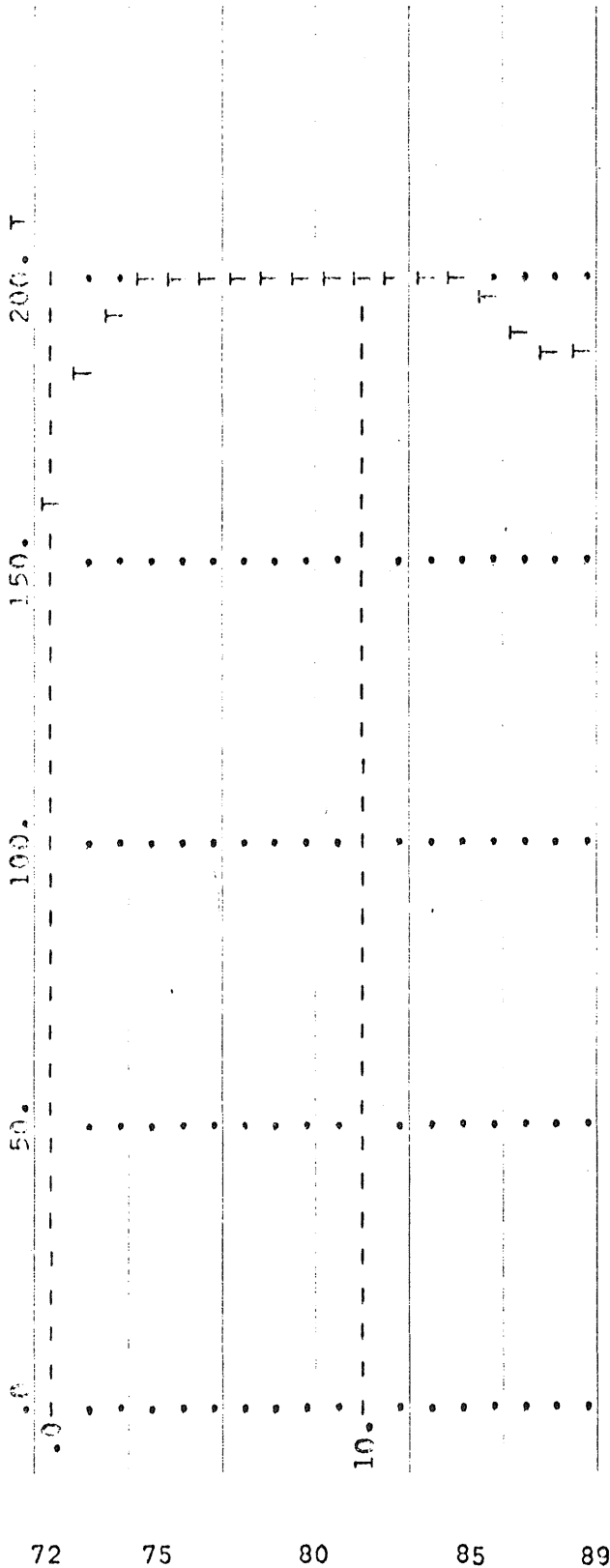
LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING 1972 PARTICIPATION RATES,
 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
 AND INCLUDING CURRENT ENROLLMENT LIMITS

PAC 85 PROJECTIONS BY INSTITUTION 1973-1989 3/26/73 PINE CITY AVTI

HC=T



TOTAL HEADCOUNT Pine City AVTI

1972 159 *

1973 184

1975 199

1980 199

1985 199

1989 187

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

PIPESTONE AVTI

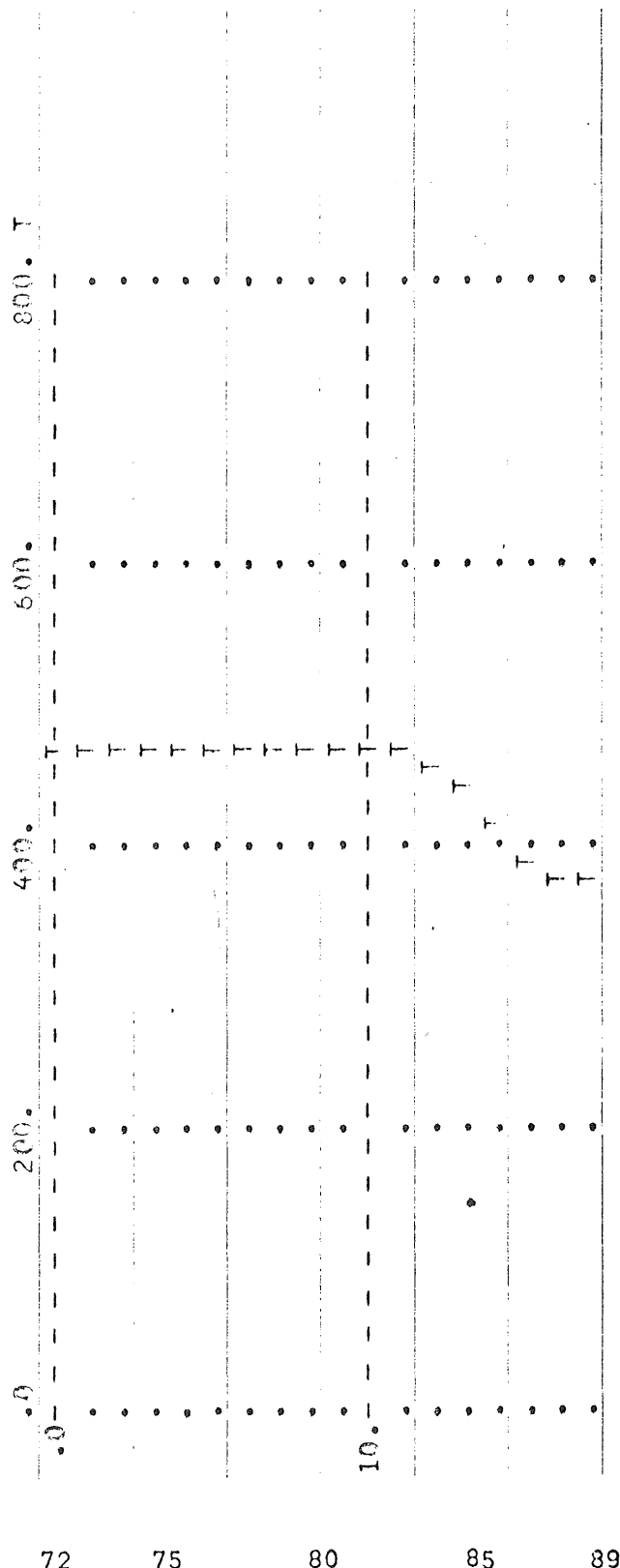
3/26/73

1989

PROJECTIONS BY INSTITUTION 1973-1989

PA 89

FC=T



TOTAL HEADCOUNT Pipestone AVTI

1972 468 *

1973 468

1975 468

1980 468

1985 436

1989 370

*Actual Enrollment

LEGEND

T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

RAMSEY-WASHINGTON C

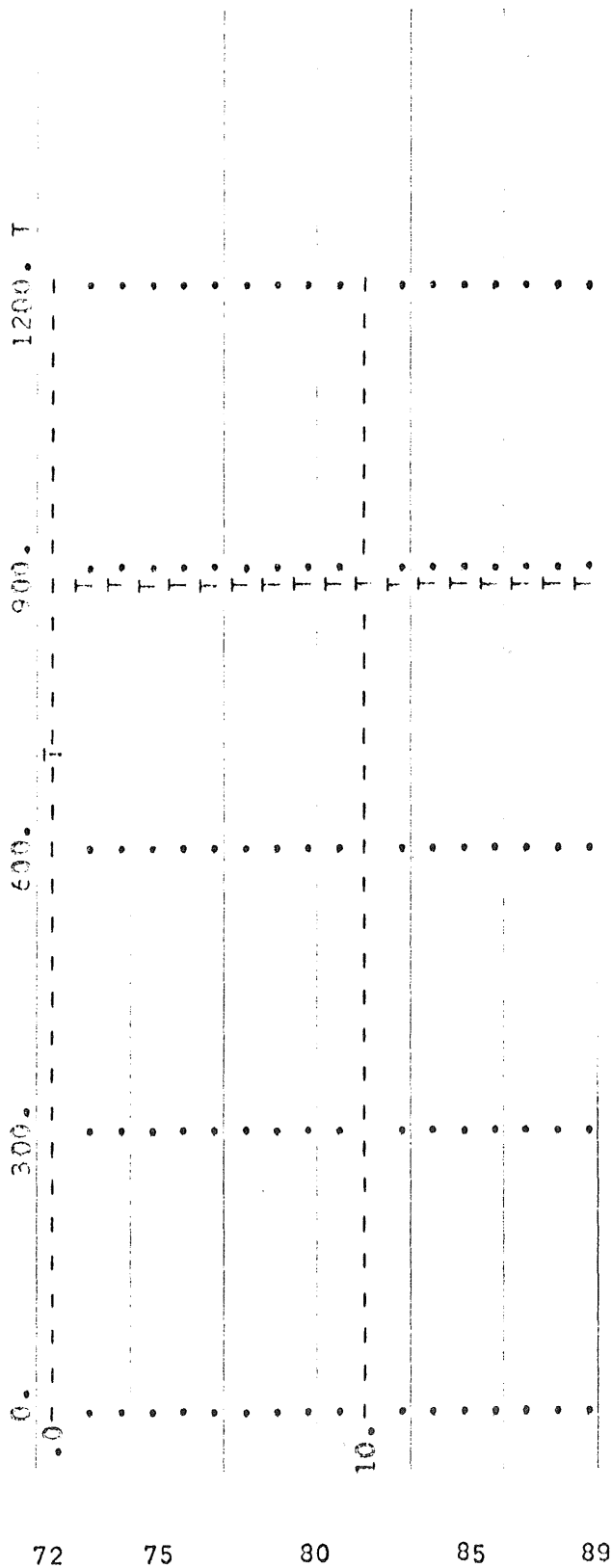
3/26/73

1973-1989

PROJECTIONS BY INSTITUTION 1973-1989

PA 93

PC=T



TOTAL HEADCOUNT Ramsey-Washington AVTI

1972 700 *

1973 875

1975 875

1980 875

1985 875

1989 875

*Actual Enrollment

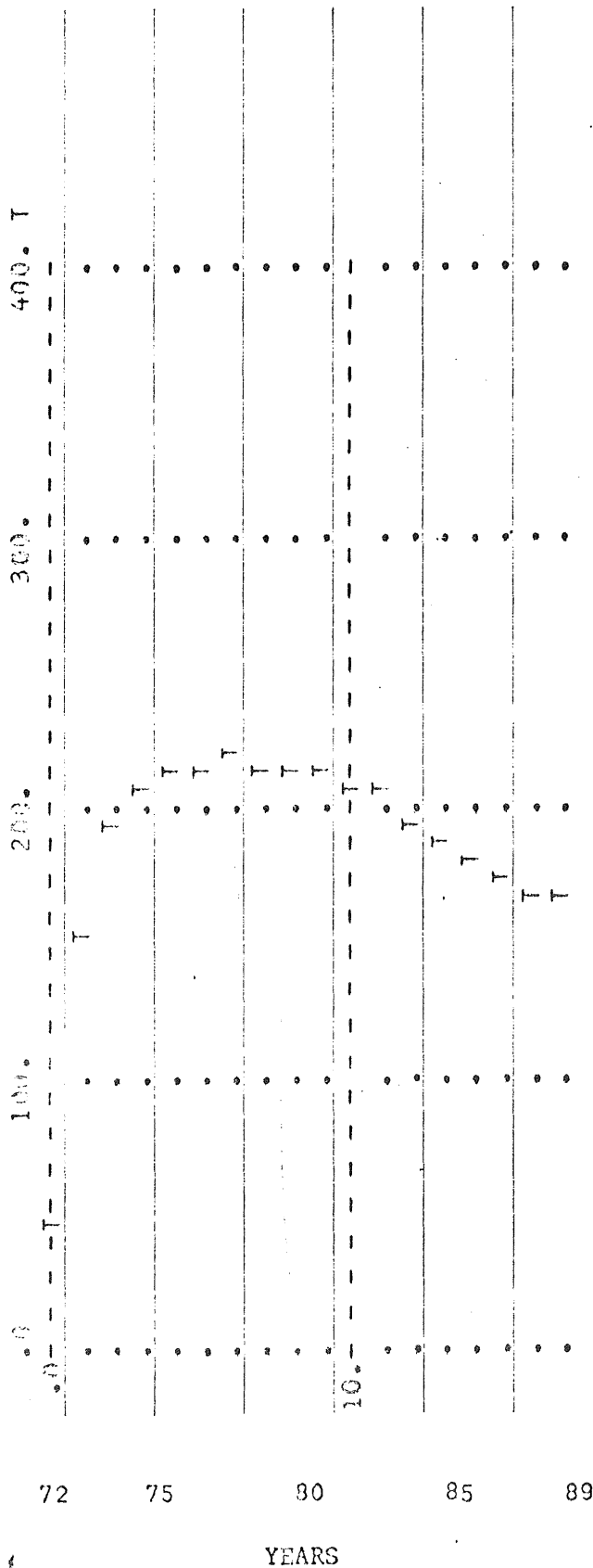
LEGEND

T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

PAGE 97 PROJECTIONS BY INSTITUTION 1973-1989 4/06/73 RFP WING AVTI



TOTAL HEADCOUNT Red Wing AVTI

1972 45 *

1973 153

1975 206

1980 213

1985 187

1989 169

*Actual Enrollment

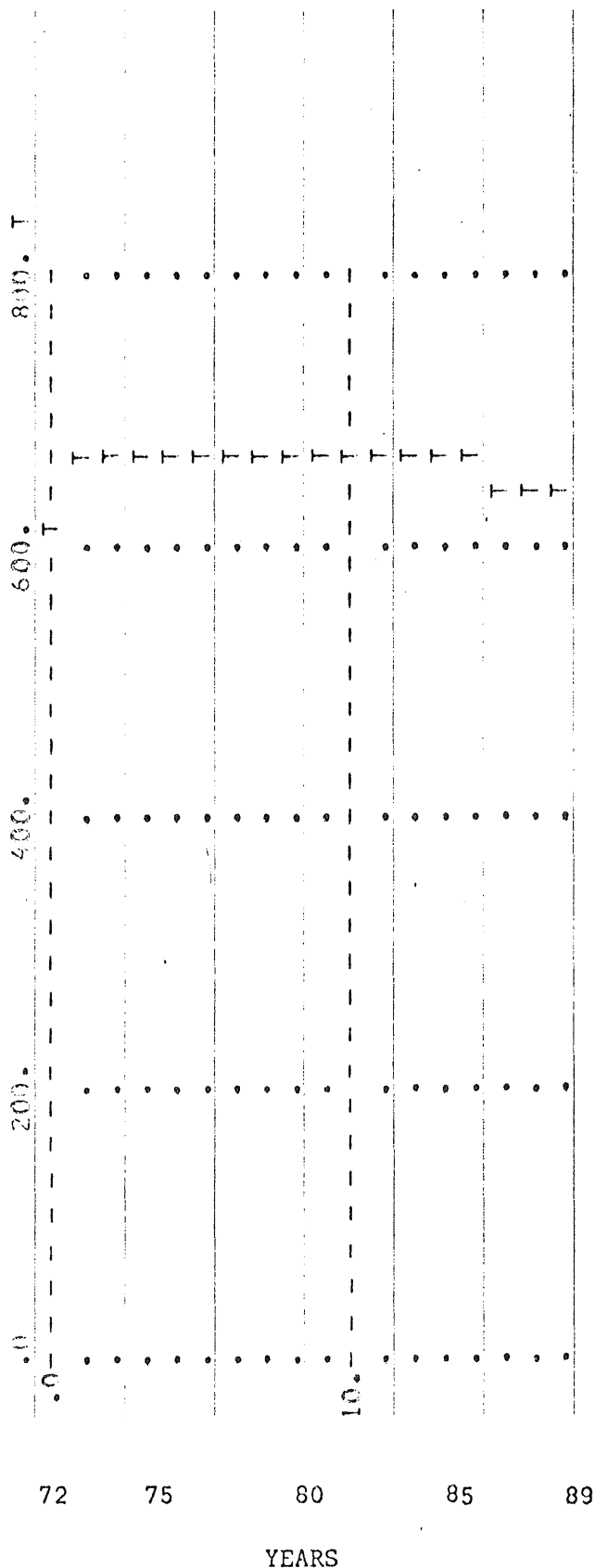
LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

PAGE 101 PROJECTIONS BY INSTITUTION 1973-1989 ROCHESTER AVTI

TOTAL



TOTAL HEADCOUNT Rochester AVTI

1972 615 *

1973 665

1975 665

1980 665

1985 665

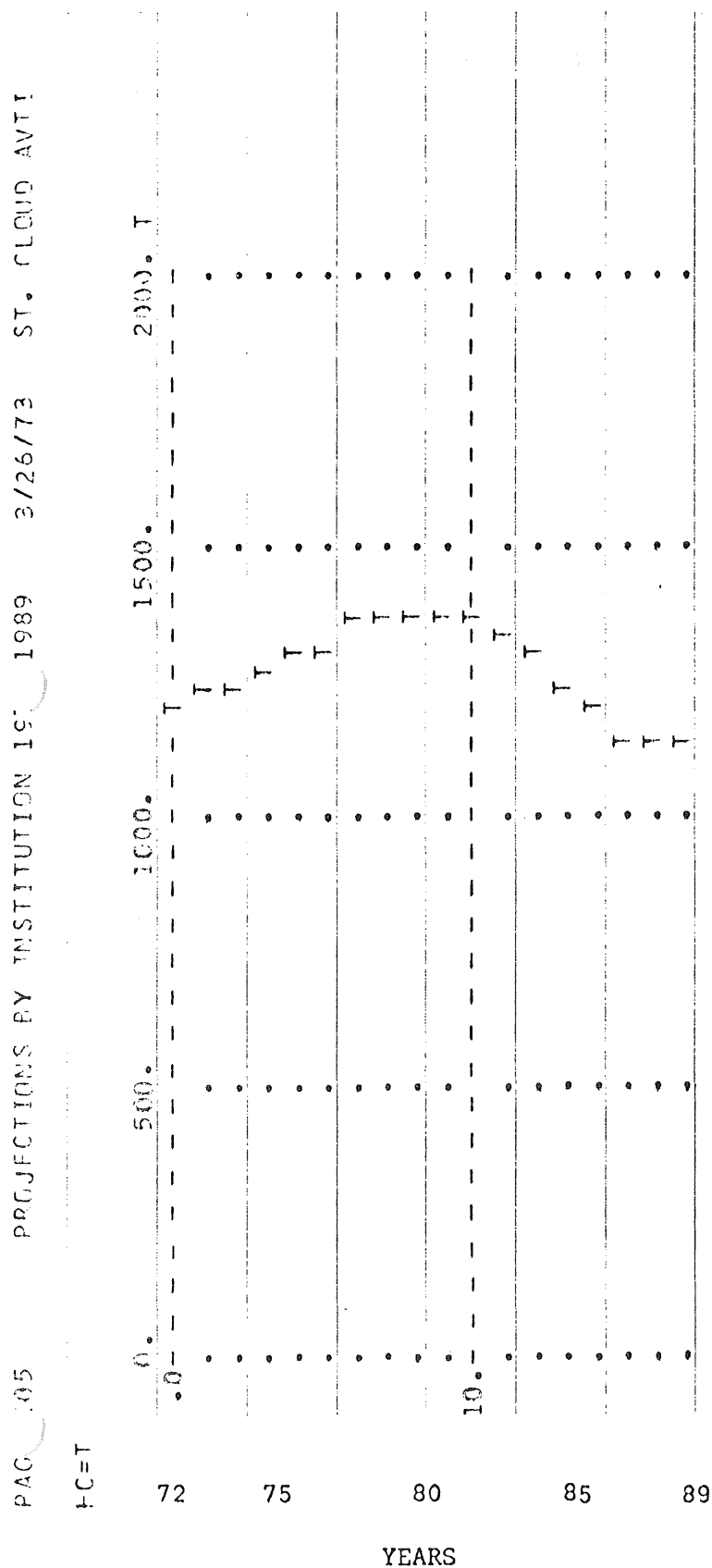
1989 636

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS



TOTAL HEADCOUNT St. Cloud AVTI

1972	1186	*
1973	1223	
1975	1260	
1980	1361	
1985	1238	
1989	1124	

*Actual Enrollment

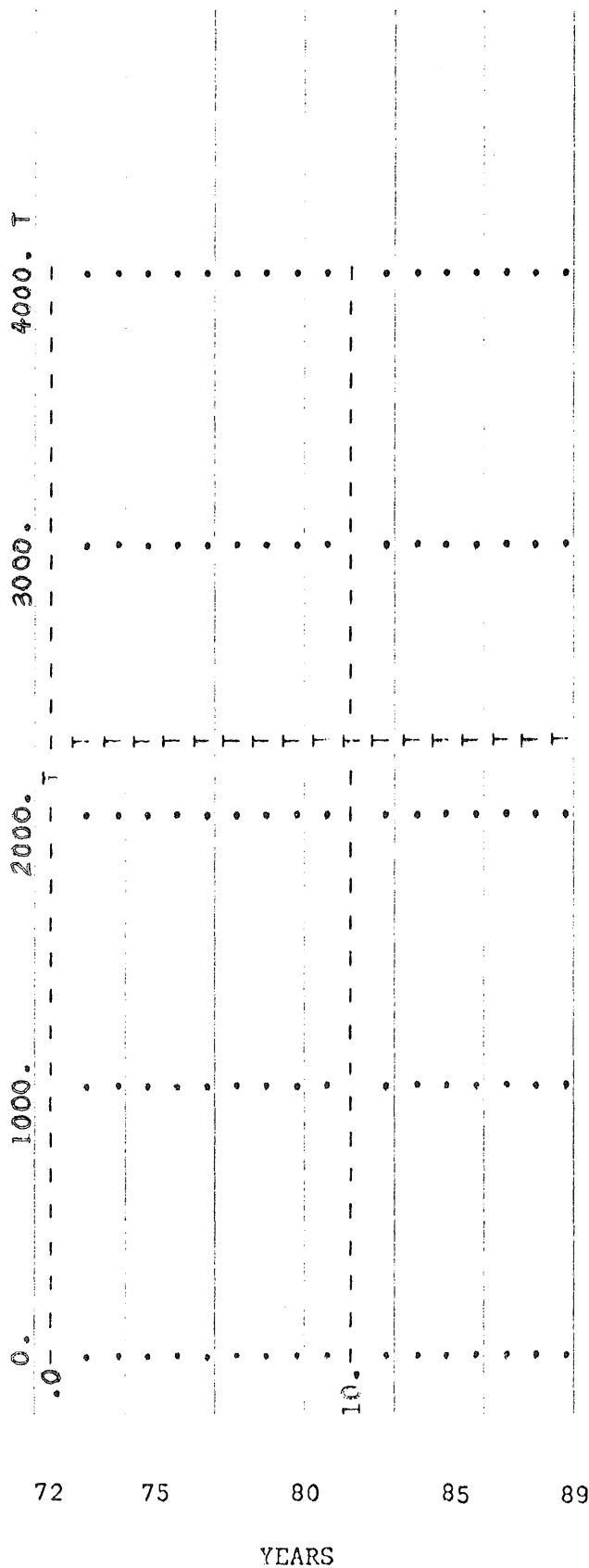
LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

PAGE 9 PROJECTIONS BY INSTITUTION 1973 989 ST. PAUL AVTI 3/26/73

LC=T



TOTAL HEADCOUNT St. Paul AVTI

1972 2150 *

1973 2250

1975 2250

1980 2250

1985 2250

1989 2250

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

STAPLES AVTI

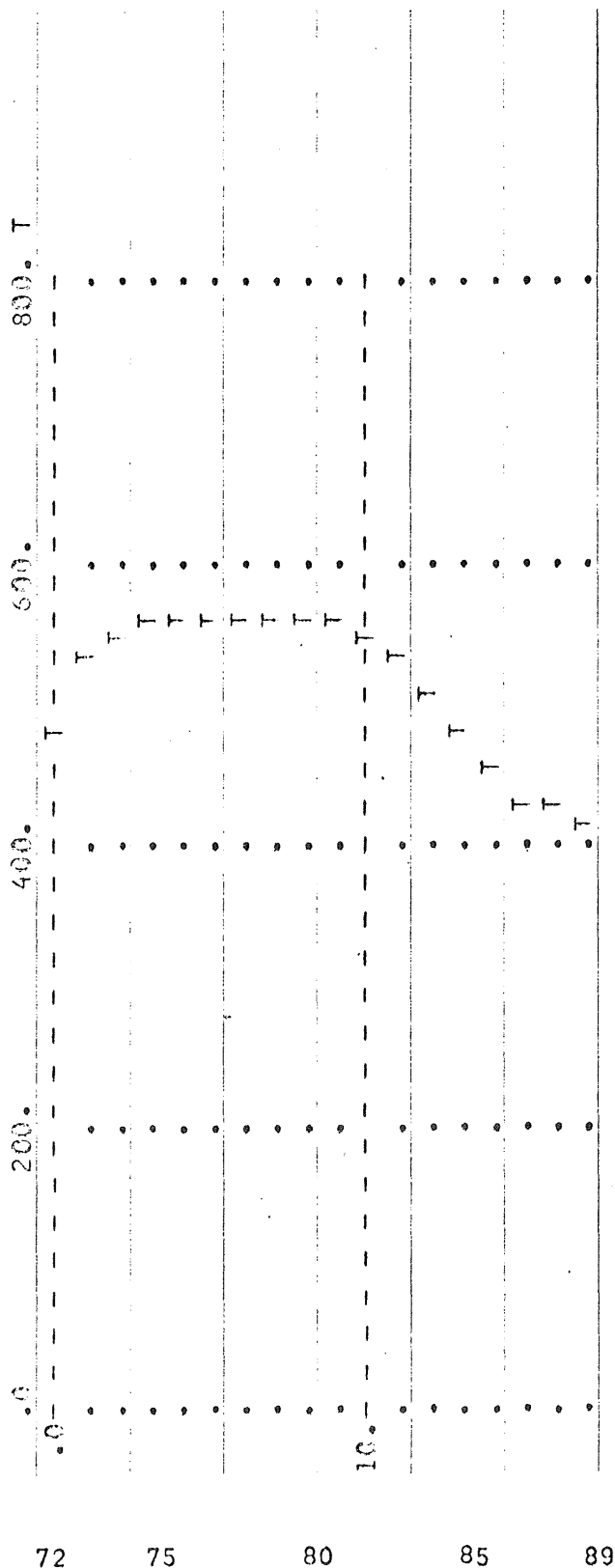
3/26/73

1989

PROJECTIONS BY INSTITUTION 19

PAC 113

PCET



TOTAL HEADCOUNT Staples AVTI

1972 483 *

1973 532

1975 558

1980 558

1985 482

1989 414

*Actual Enrollment

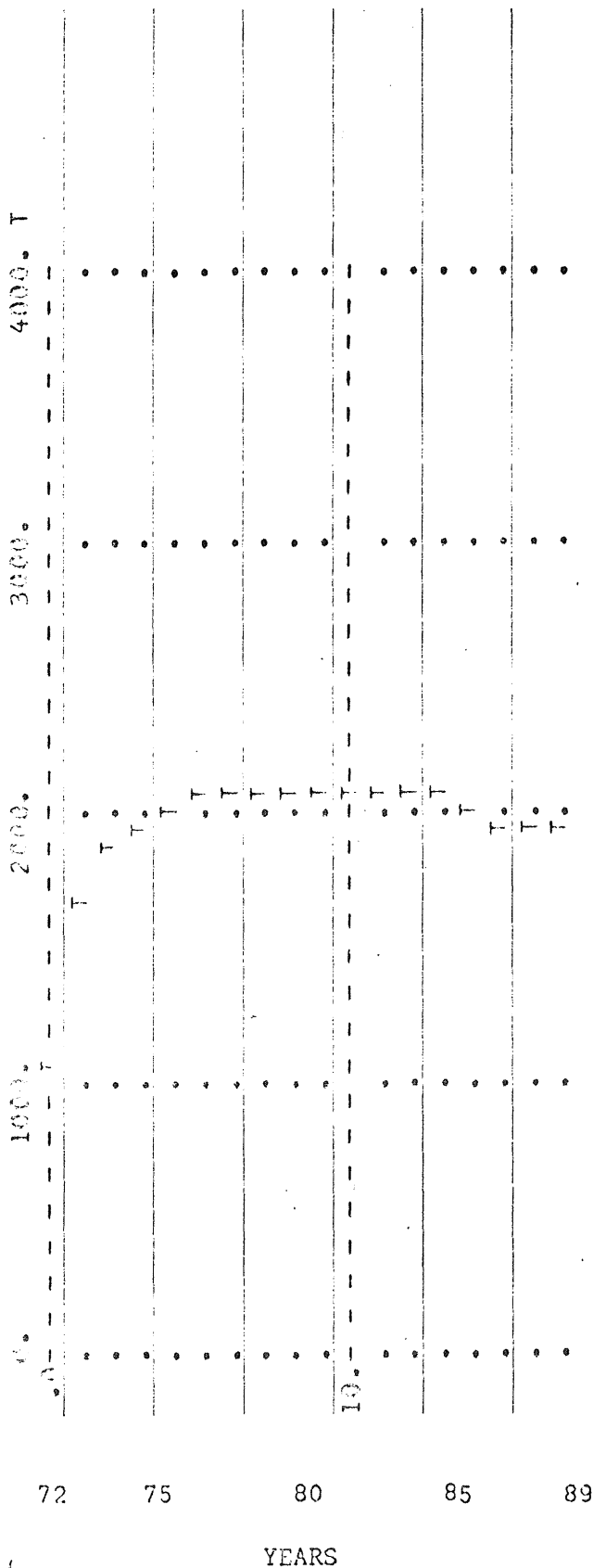
LEGEND

T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

PCET 117 PROJECTIONS BY INSTITUTION 73-1989 4/26/73 SUBURBAN HENNEPIN



TOTAL HEADCOUNT Suburban Hennepin AVTI

1972 1059 *

1973 1644

1975 1955

1980 2059

1985 2033

1989 1917

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

THIEF RIVER FALLS

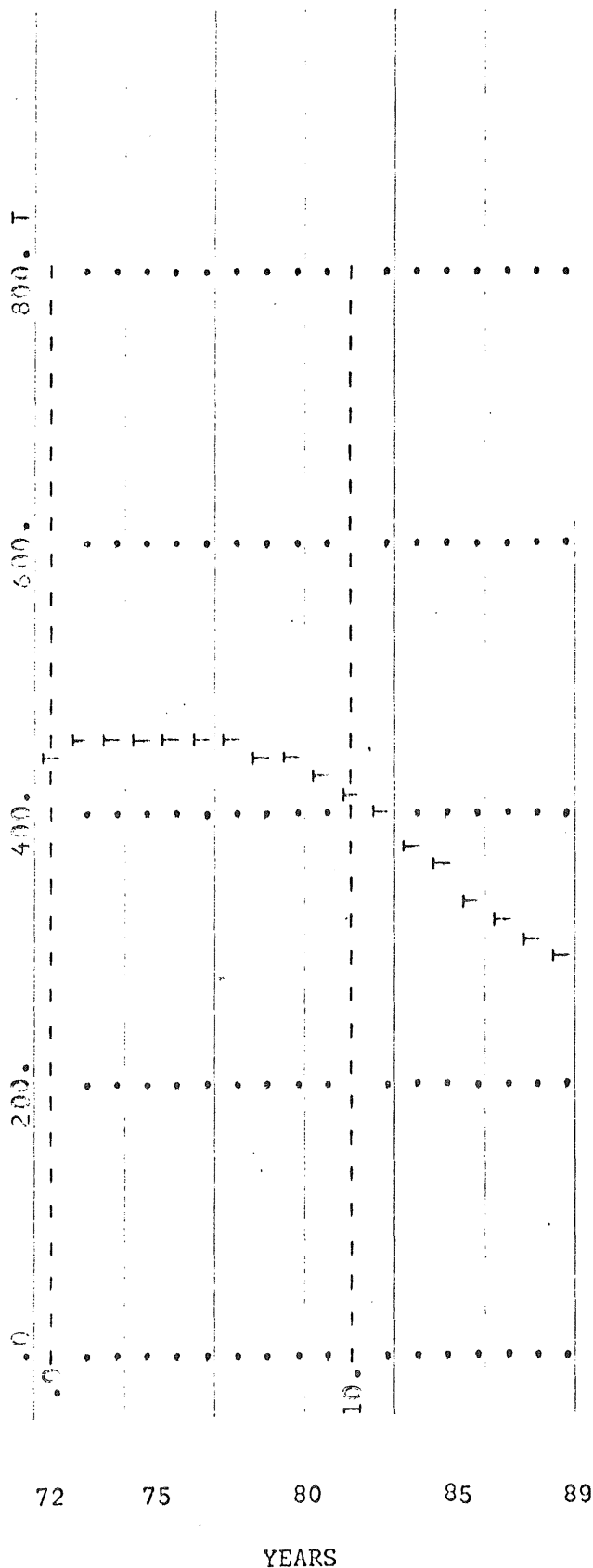
3/26/73

1973

PROJECTIONS BY INSTITUTION IS

P.O. 122

PC=T



TOTAL HEADCOUNT Thief River Falls AVTI

1972 445 *

1973 447

1975 450

1980 434

1985 356

1989 298

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING 1972 PARTICIPATION RATES,
 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
 AND INCLUDING CURRENT ENROLLMENT LIMITS

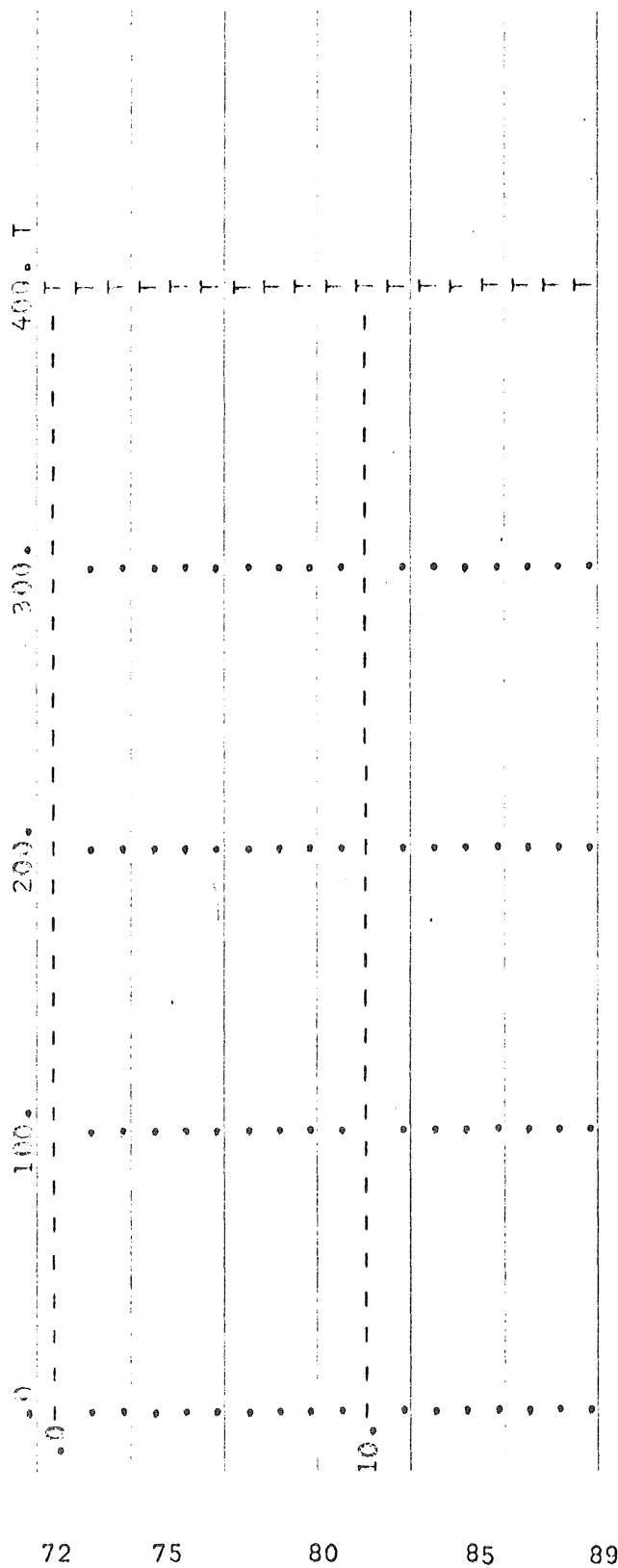
WADENA AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAC 126

HC=T



TOTAL HEADCOUNT Wadena AVTI

1972 397 *

1973 397

1975 397

1980 397

1985 397

1989 397

*Actual Enrollment

LEGEND

T = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
 USING 1972 PARTICIPATION RATES,
 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
 AND INCLUDING CURRENT ENROLLMENT LIMITS

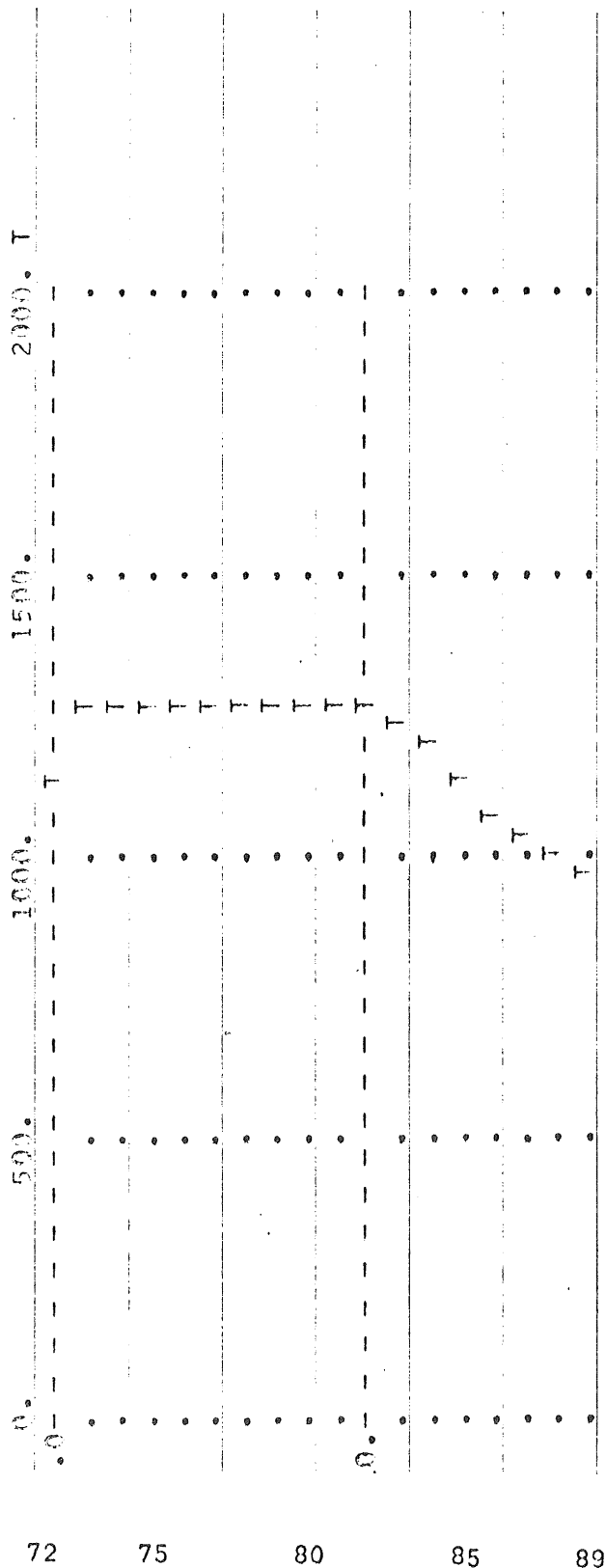
WILLMAR AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 130

HCET



TOTAL HEADCOUNT Willmar AVTI

1972 1146 *

1973 1266

1975 1266

1980 1266

1985 1129

1989 972

*Actual Enrollment

LEGEND

T = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES,
0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS
AND INCLUDING CURRENT ENROLLMENT LIMITS

WINONA AVTI

3/26/73

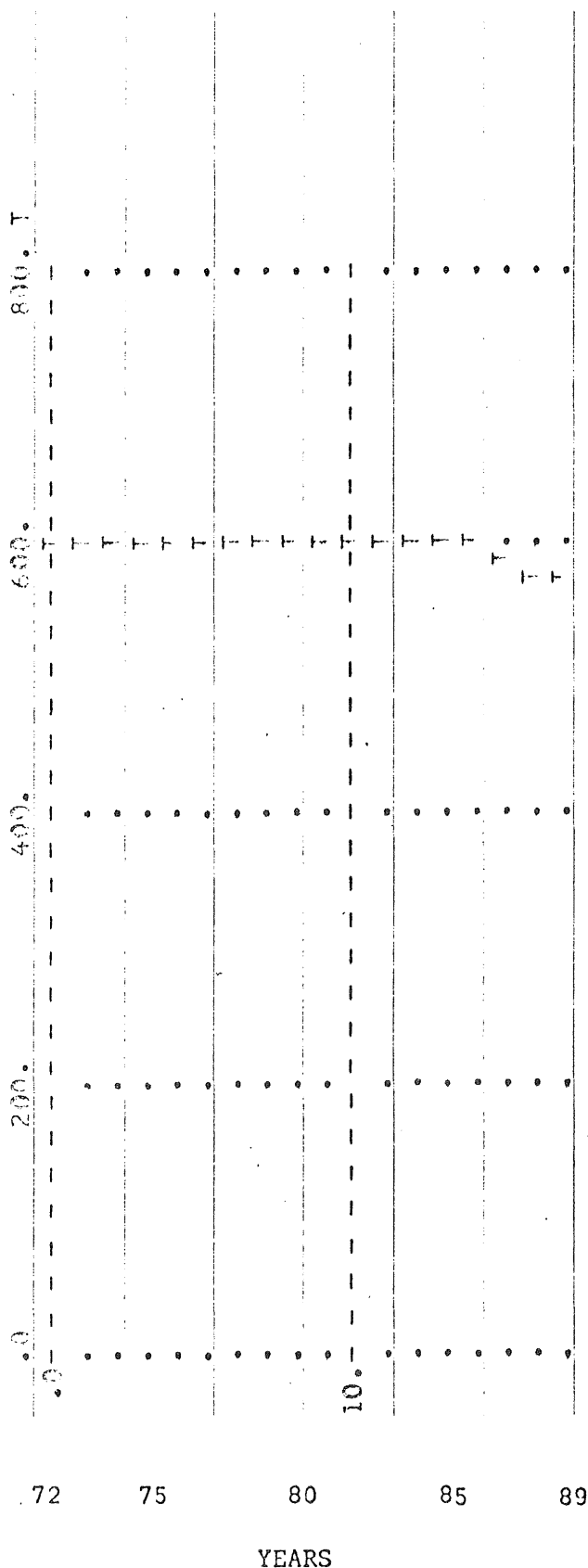
1980

19

PROJECTIONS BY INSTITUTION

134

FC=1



TOTAL HEADCOUNT Winona AVTI

1972 596 *

1973 596

1975 596

1980 596

1985 596

1989 573

*Actual Enrollment

LEGEND

T = Total Headcount

AREA VOCATIONAL-TECHNICAL INSTITUTES, SIMULATION 2:

"PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS"

NOTE: Dakota County, East Grand Forks, Hutchinson, Red
Wing, and Suburban Hennepin Adjusted to the
Department of Education Enrollments Estimates

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

ALBERT LEA AVTI

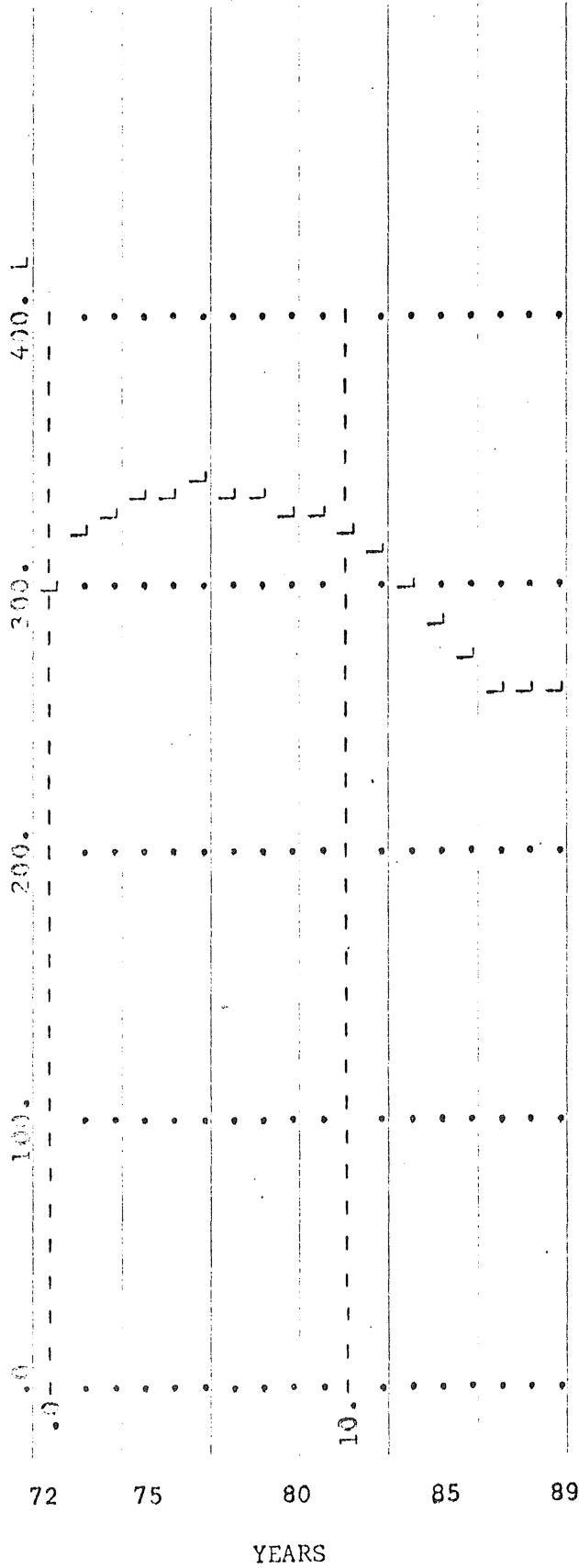
3/26/73

89

PROJECTIONS BY INSTITUTION 1973-

1989

LP=L



TOTAL HEADCOUNT Albert Lea AVTI

1972 299 *

1973 319

1975 331

1980 329

1985 287

1989 257

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

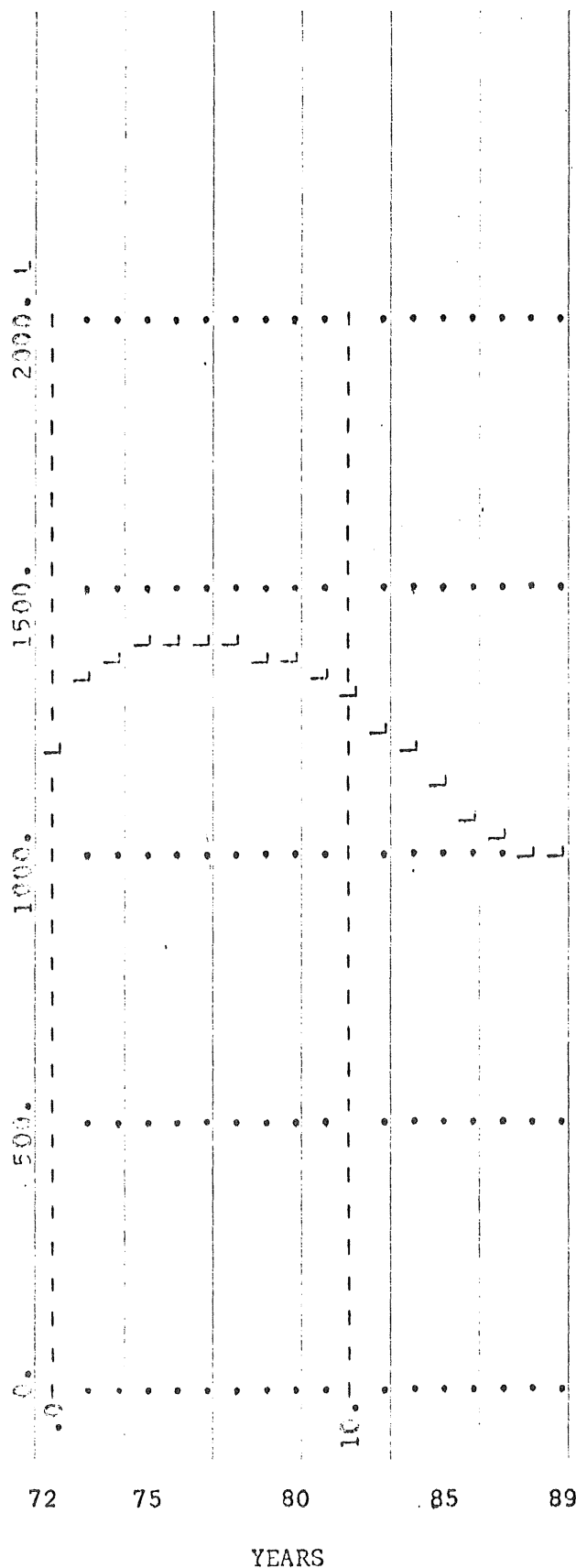
ALEXANDRIA AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-19

PAGE 8

10=L



TOTAL HEADCOUNT Alexandria AVTI

1972 1209 *

1973 1325

1975 1386

1980 1352

1985 1135

1989 989

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

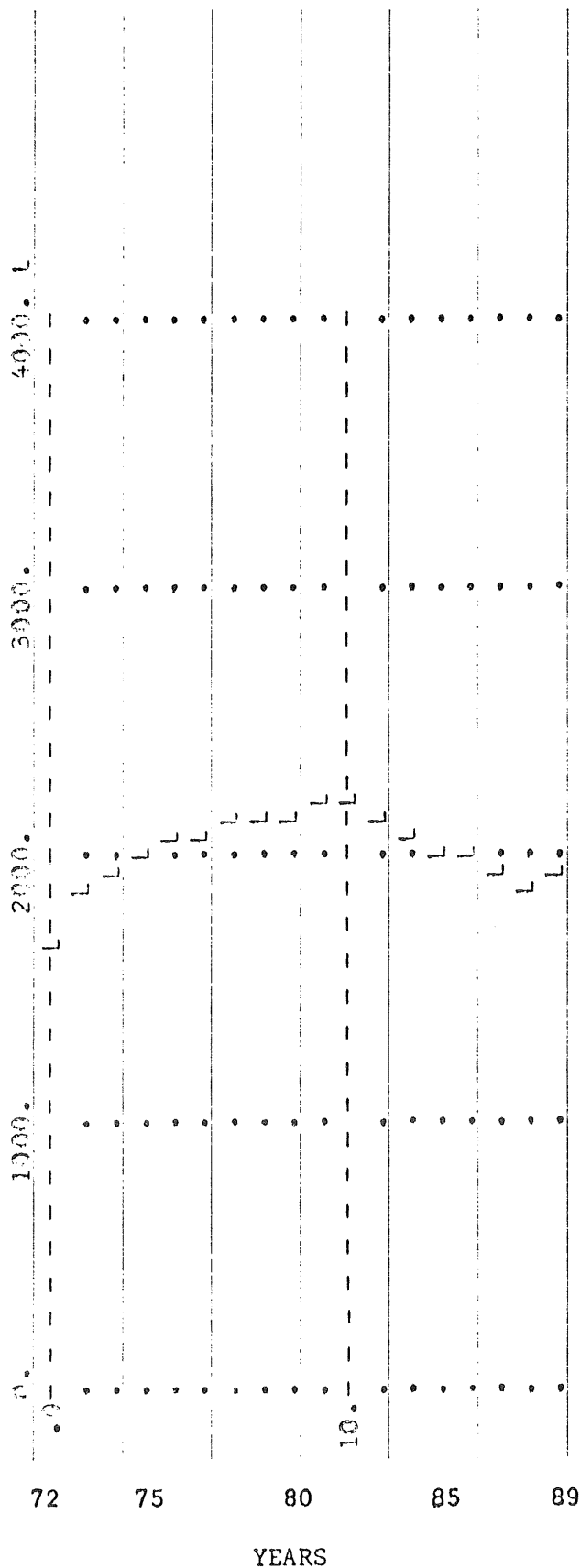
ANOKA AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 12

LC=1



TOTAL HEADCOUNT Anoka AVTI

1972 1647 *

1973 1852

1975 1983

1980 2161

1985 2029

1989 1904

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

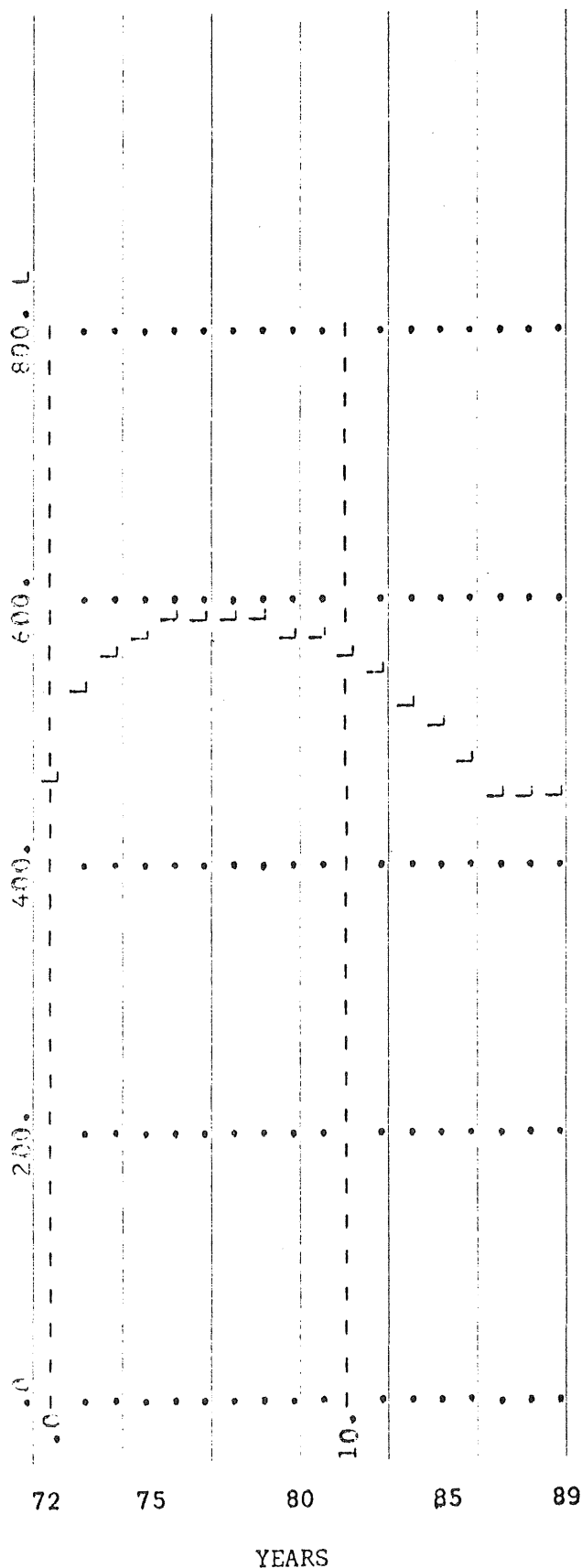
AUSTIN AVTI

3/26/72

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 10

LC=L



TOTAL HEADCOUNT Austin AVTI

1972 466 *

1973 536

1975 573

1980 575

1985 502

1989 450

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

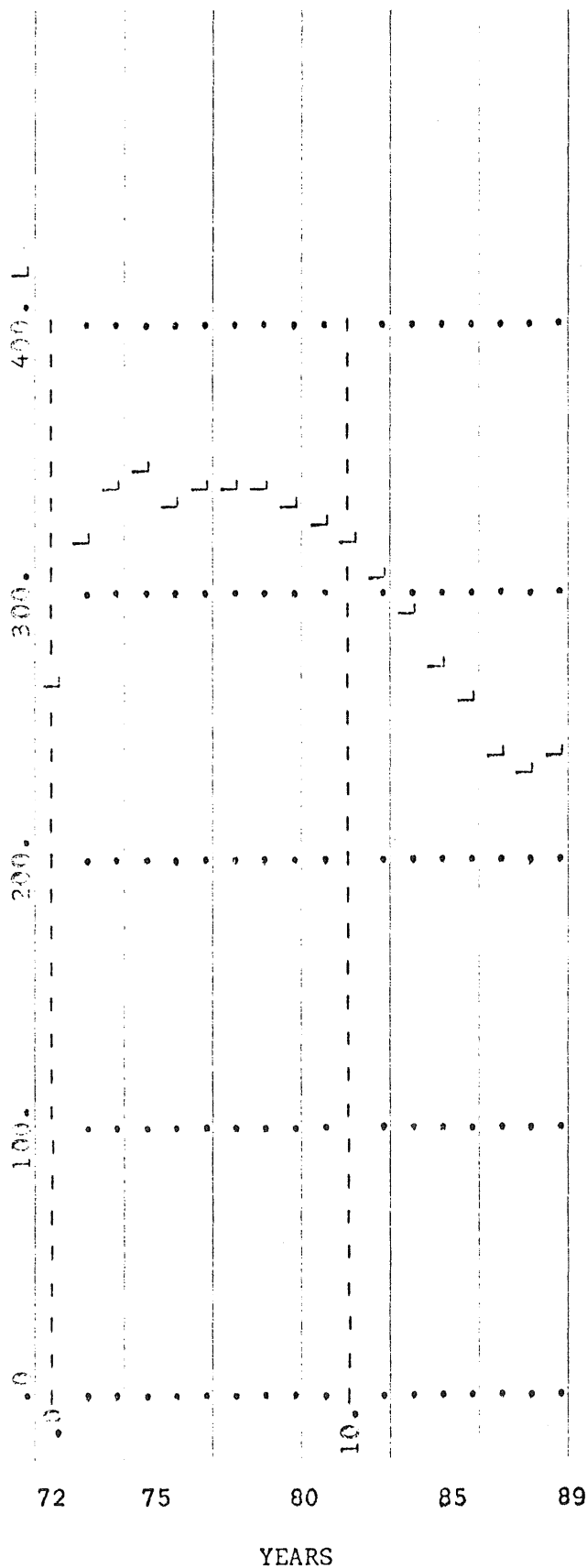
BEMIDJI AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 20

LD=L



TOTAL HEADCOUNT Bemidji AVTI

1972 266 *

1973 319

1975 343

1980 334

1985 274

1989 238

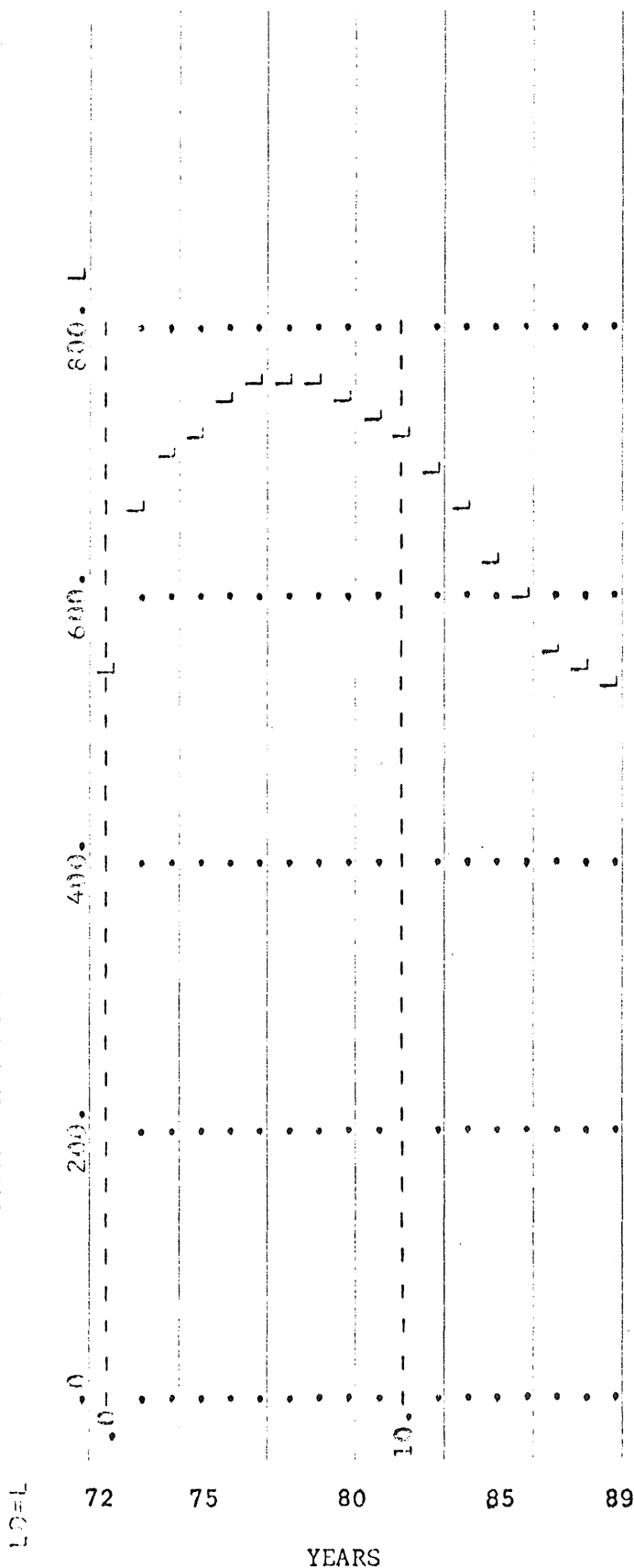
*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

PAGE 24 PROJECTIONS BY INSTITUTION 1973-1989 3/26/73 BRATHEPP AVTI



TOTAL HEADCOUNT Brainerd AVTI

1972	552	*
1973	664	
1975	726	
1980	744	
1985	632	
1989	539	

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING 1972 PARTICIPATION RATES
 AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

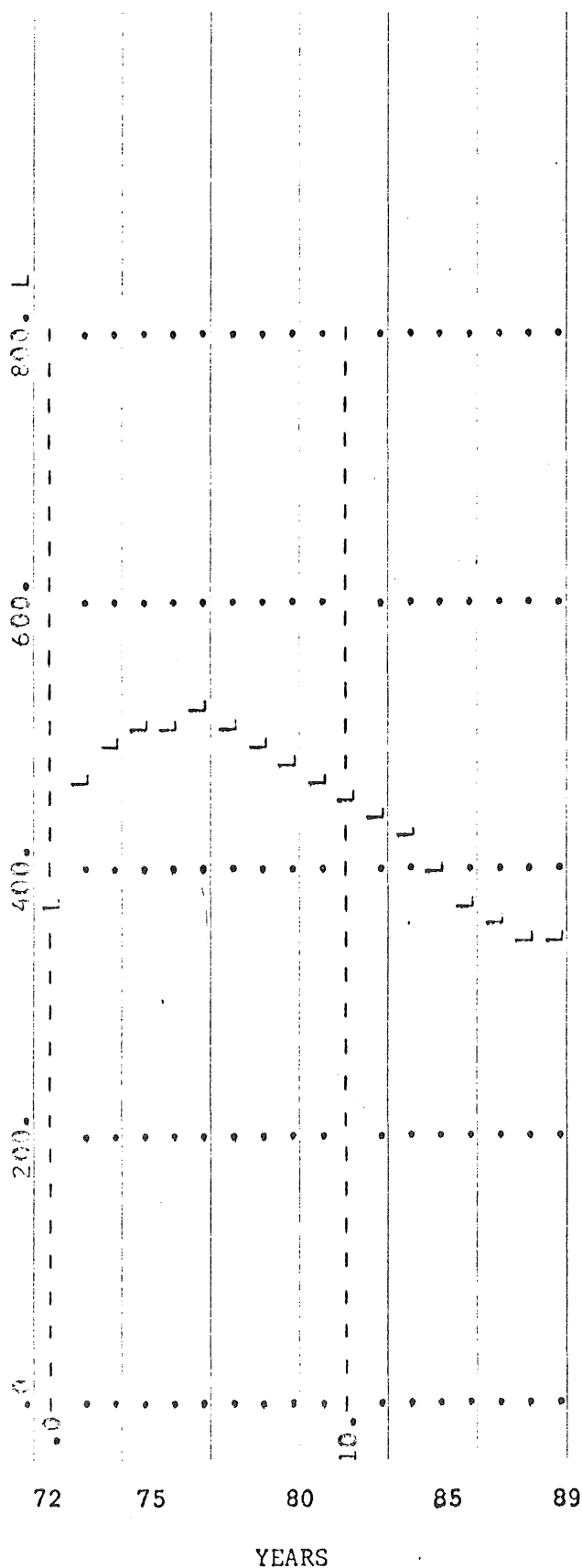
CANBY AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 28

LP=L



TOTAL HEADCOUNT Canby AVTI

1972 380 *

1973 460

1975 501

1980 486

1985 399

1989 340

*Actual Enrollment

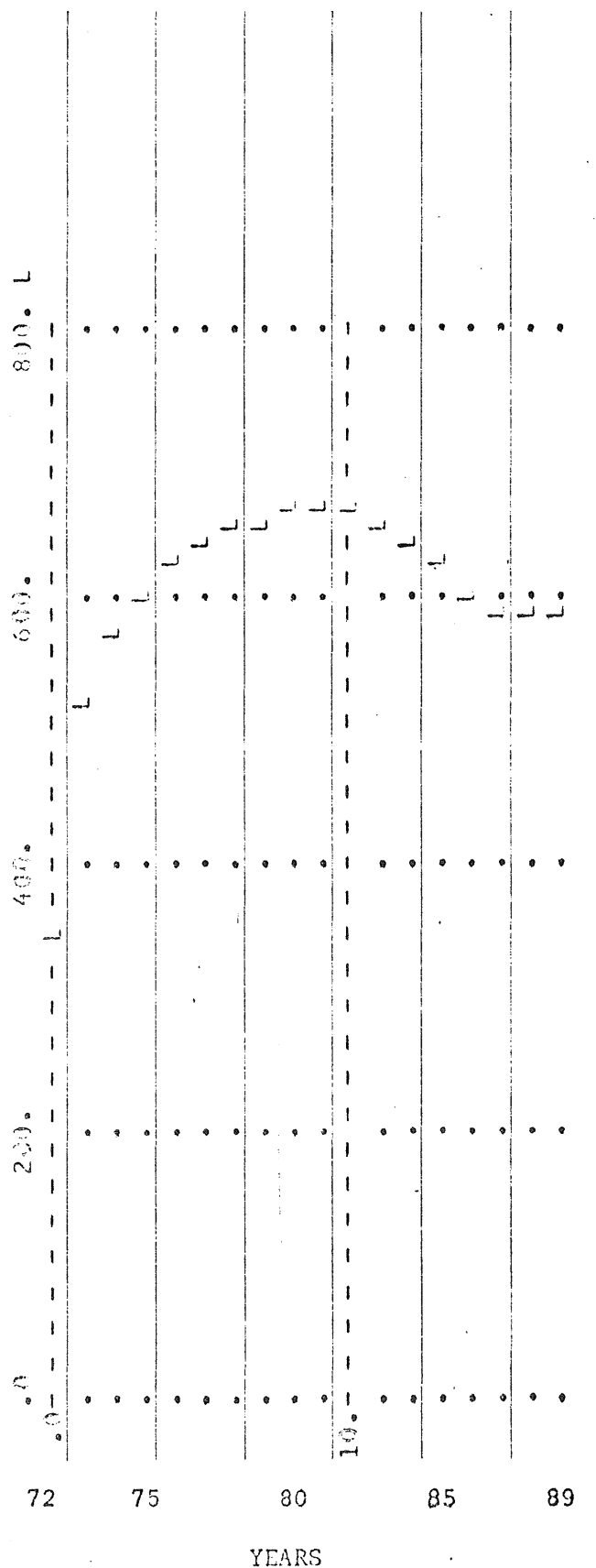
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

DAKOTA COUNTY AVTI 4/19/73 1973 1989 PROJECTIONS BY INSTITUTION 1973 1989

LD=



TOTAL HEADCOUNT Dakota County AVTI

1972 347 *

1973 514

1975 604

1980 661

1985 624

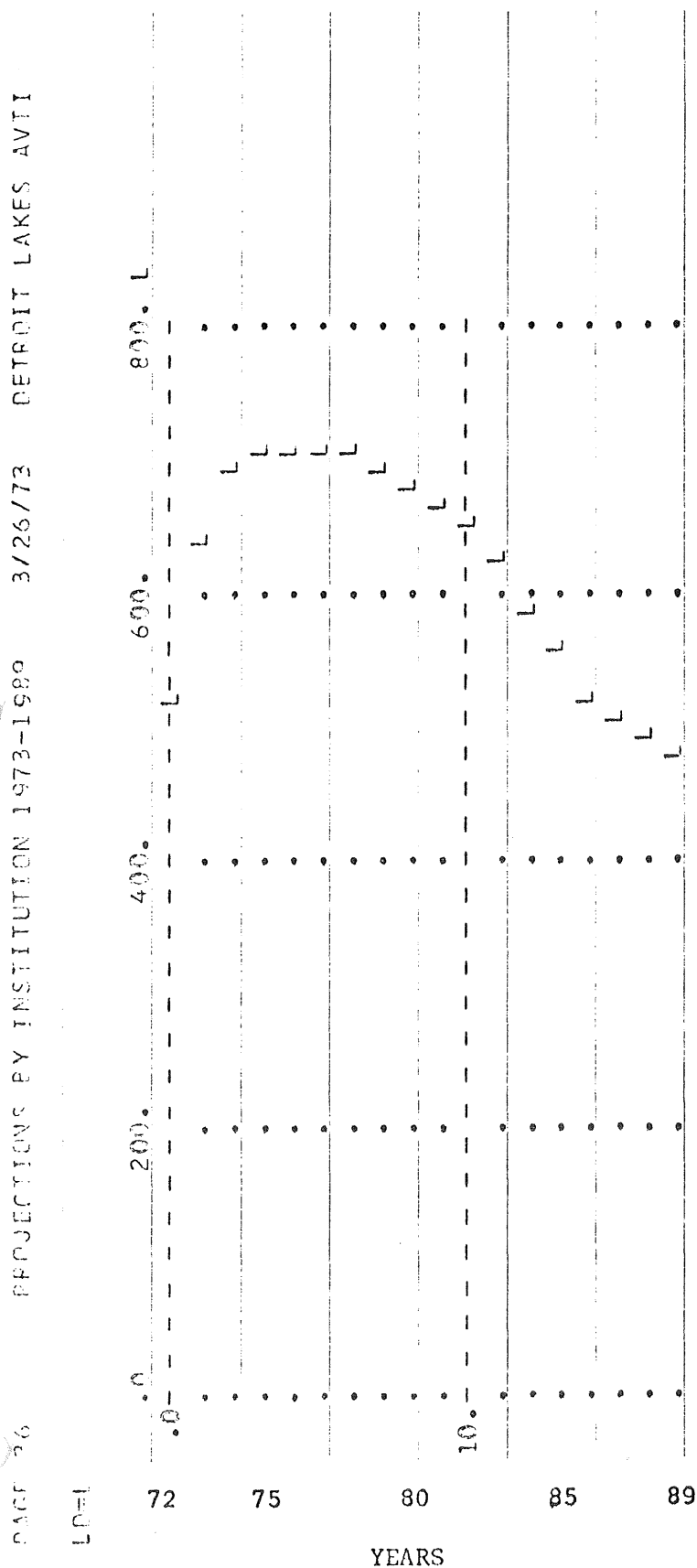
1989 588

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS



TOTAL HEADCOUNT Detroit Lakes AVTI

1972 515 *

1973 643

1975 704

1980 677

1985 558

1989 483

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

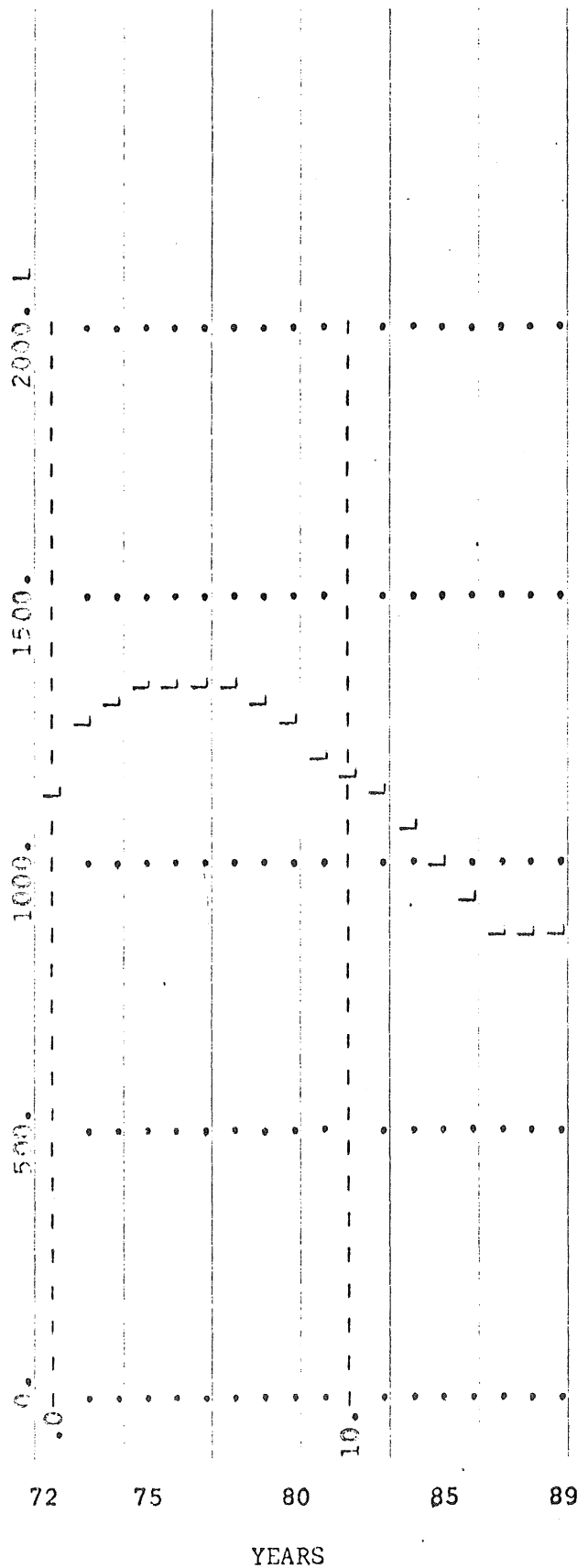
DULUTH AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 40

LD=L



TOTAL HEADCOUNT Duluth AVTI

1972 1136 *

1973 1258

1975 1322

1980 1255

1985 1004

1989 857

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

EAST GRAND FORKS AVTI

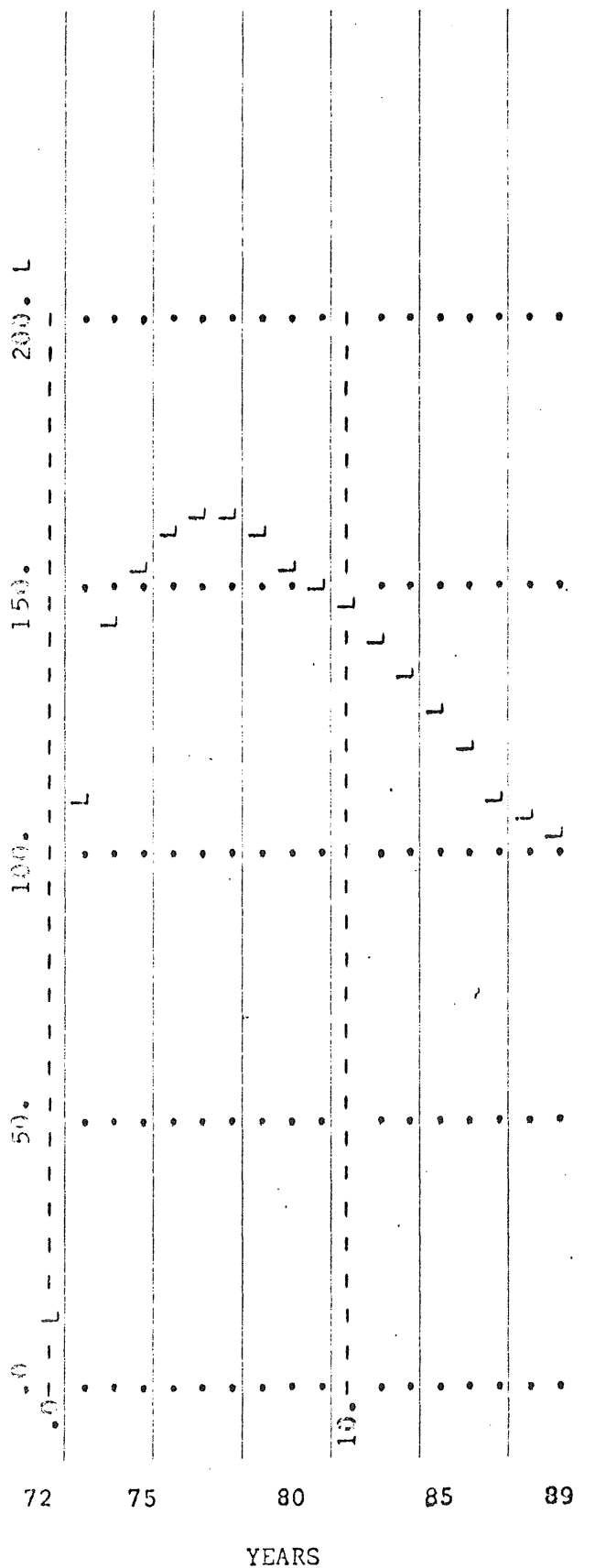
4/06/73

1973-1989

PROJECTIONS BY INSTITUTION

44

LP=L



TOTAL HEADCOUNT East Grand Forks AVTI

1972 14 *

1973 108

1975 154

1980 154

1985 126

1989 104

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

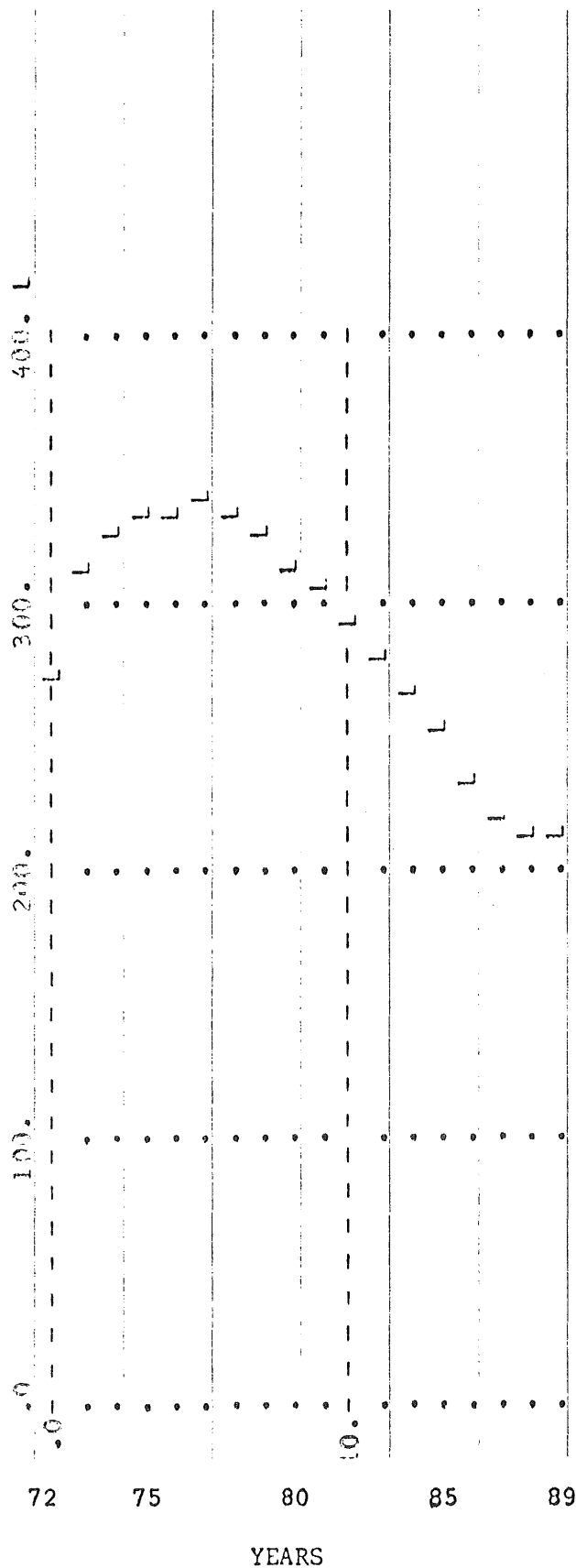
EVELETH AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 48

LC=L



TOTAL HEADCOUNT Eveleth AVTI

1972 271 *

1973 311

1975 332

1980 314

1985 250

1989 212

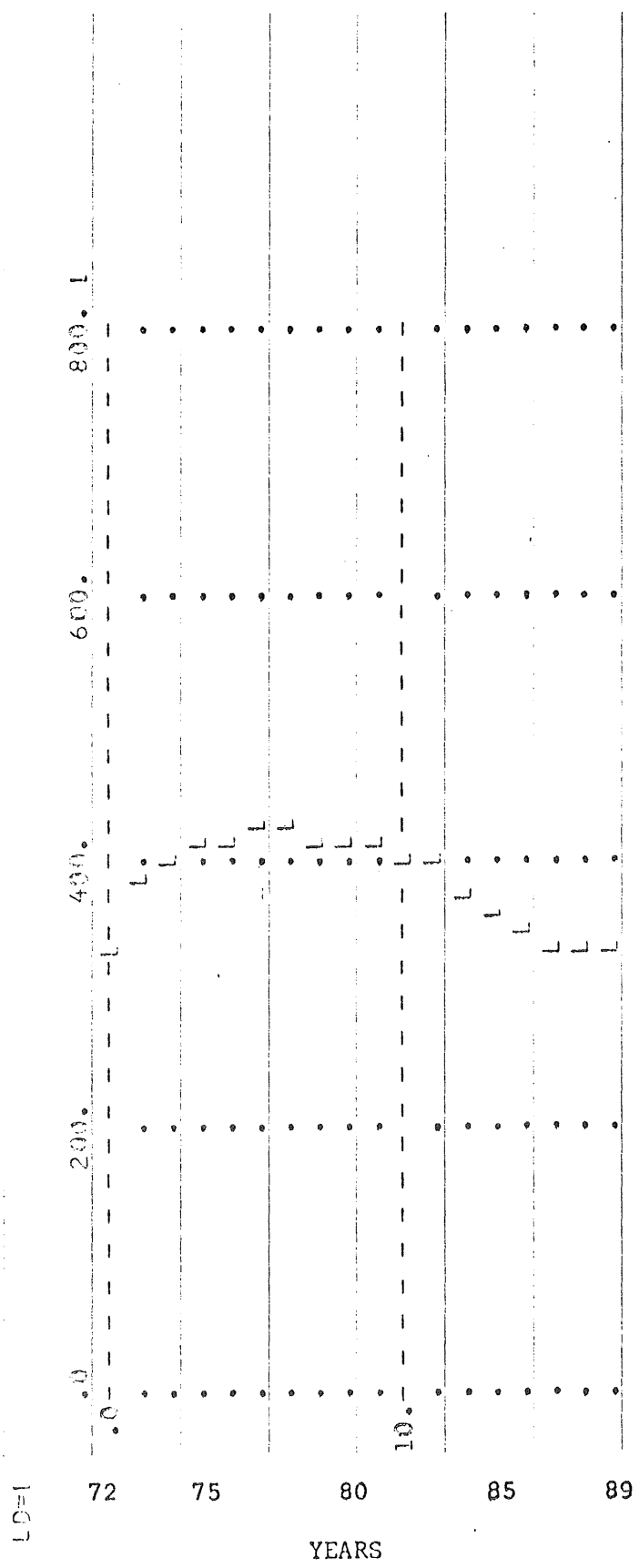
*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

PAGE 52 PROJECTIONS BY INSTITUTION 1973-1989 3/26/73 FARIBAULT AVTI



TOTAL HEADCOUNT Faribault AVTI

1972	327	*
1973	382	
1975	411	
1980	414	
1985	364	
1989	329	

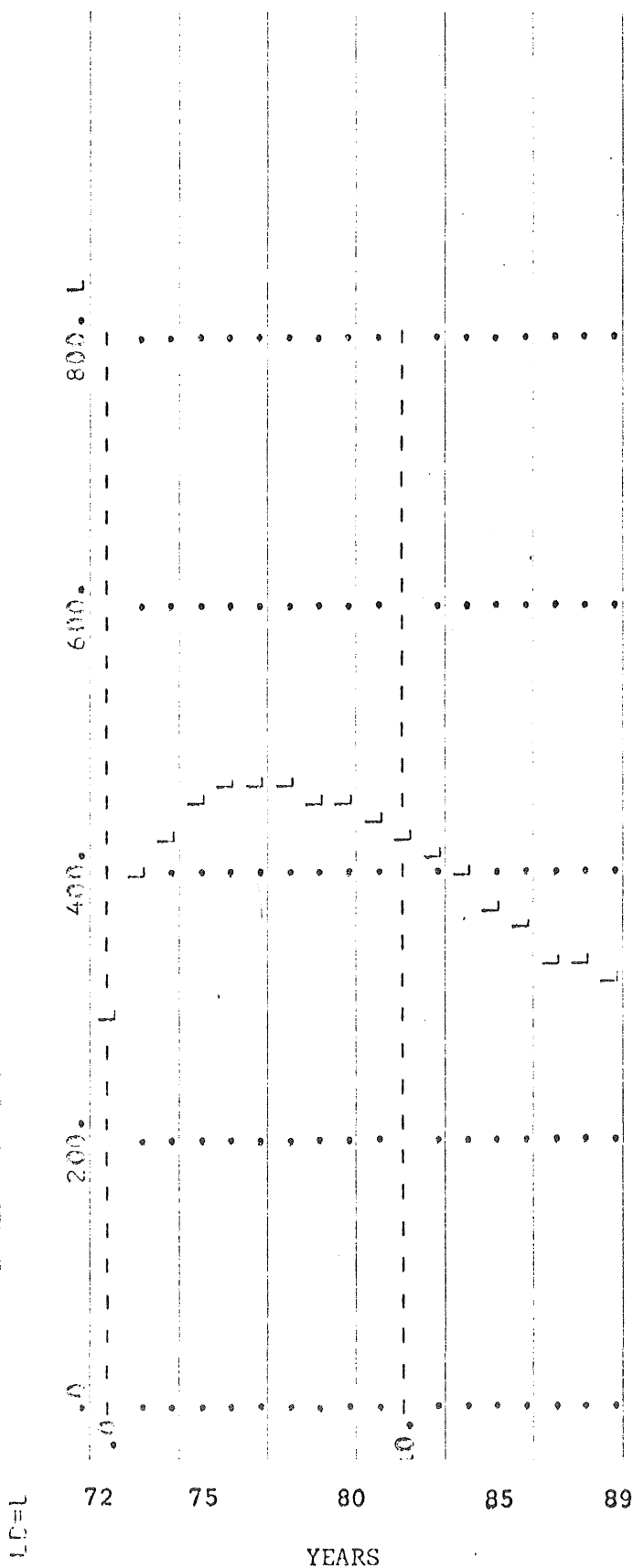
*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

PAGE 56 PROJECTIONS BY INSTITUTION 1973-1989 3/26/73 GRANITE FALLS AVTI



TOTAL HEADCOUNT Granite Falls AVTI

1972 288 *

1973 394

1975 449

1980 447

1985 375

1989 324

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

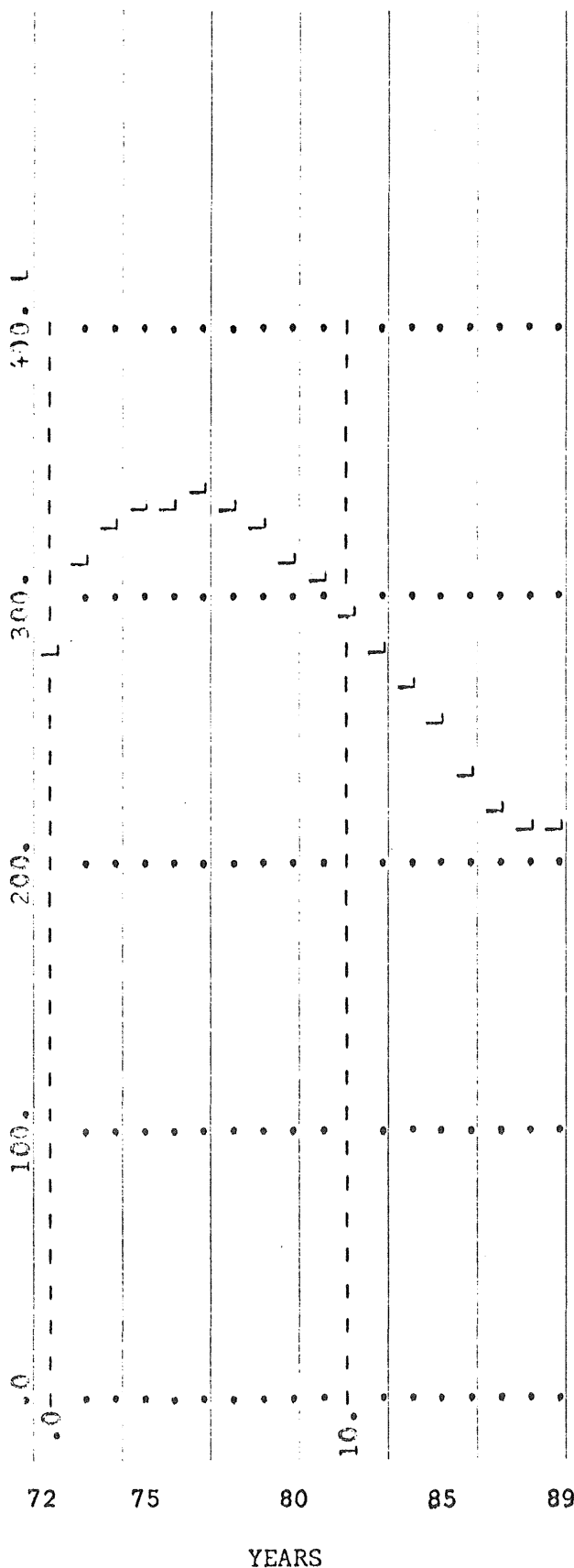
HIBBING AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 60

LF=L



TOTAL HEADCOUNT Hibbing AVTI

1972 283 *

1973 316

1975 333

1980 315

1985 251

1989 214

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

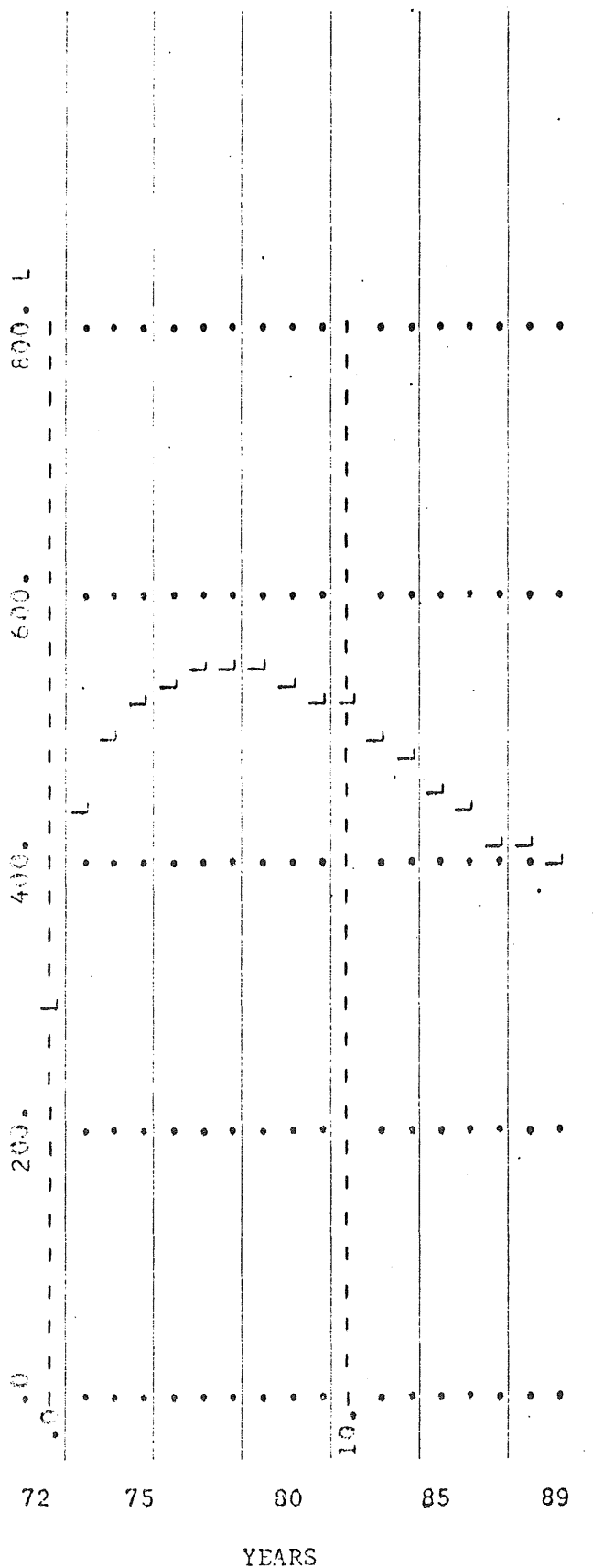
HUTCHINSON AVTI

4/06/73

PROJECTIONS BY INSTITUTION 1973-1989

PAC 64

LD=1



TOTAL HEADCOUNT Hutchinson AVTI

1972 295 *

1973 445

1975 523

1980 535

1985 459

1989 400

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING 1972 PARTICIPATION RATES
 AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

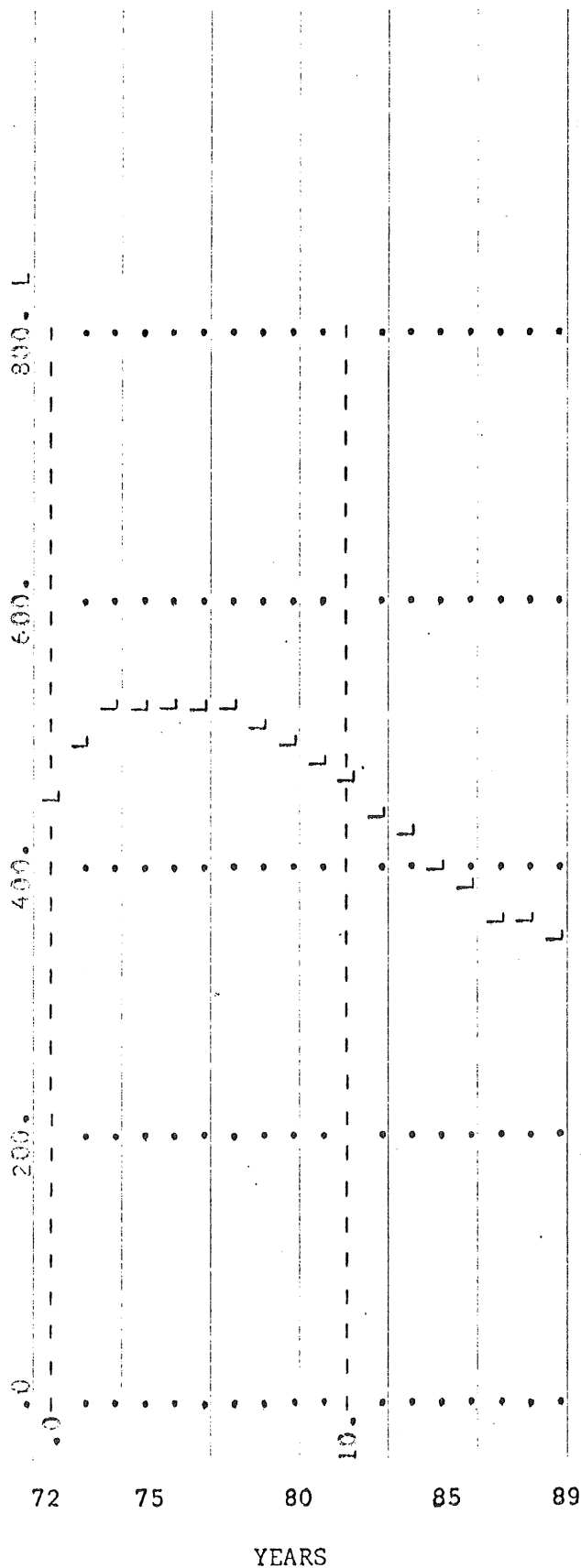
JACKSON AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 68

LD=L



TOTAL HEADCOUNT Jackson AVTI

1972 454 *

1973 499

1975 521

1980 491

1985 404

1989 352

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

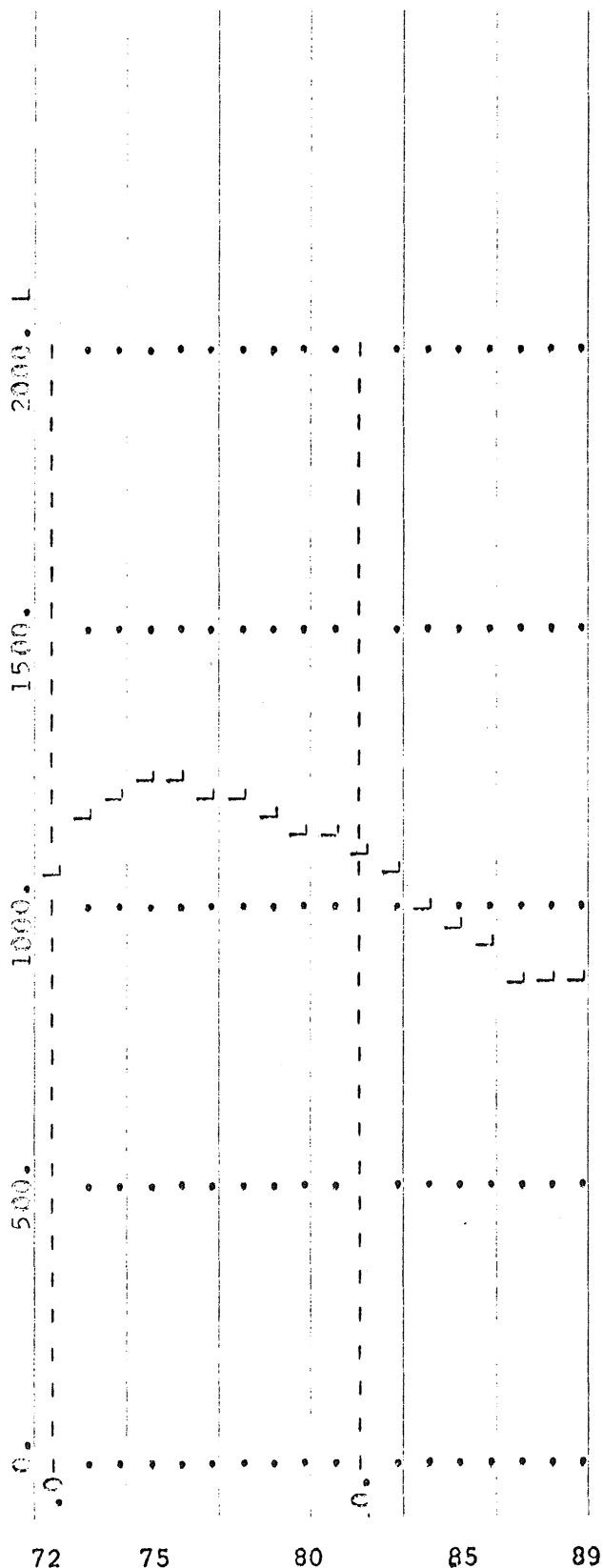
MANKATO AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 72

LD=L



TOTAL HEADCOUNT Mankato AVTI

1972 1066 *

1973 1175

1975 1222

1980 1148

1985 970

1989 878

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

MINNEAPOLIS AVTI

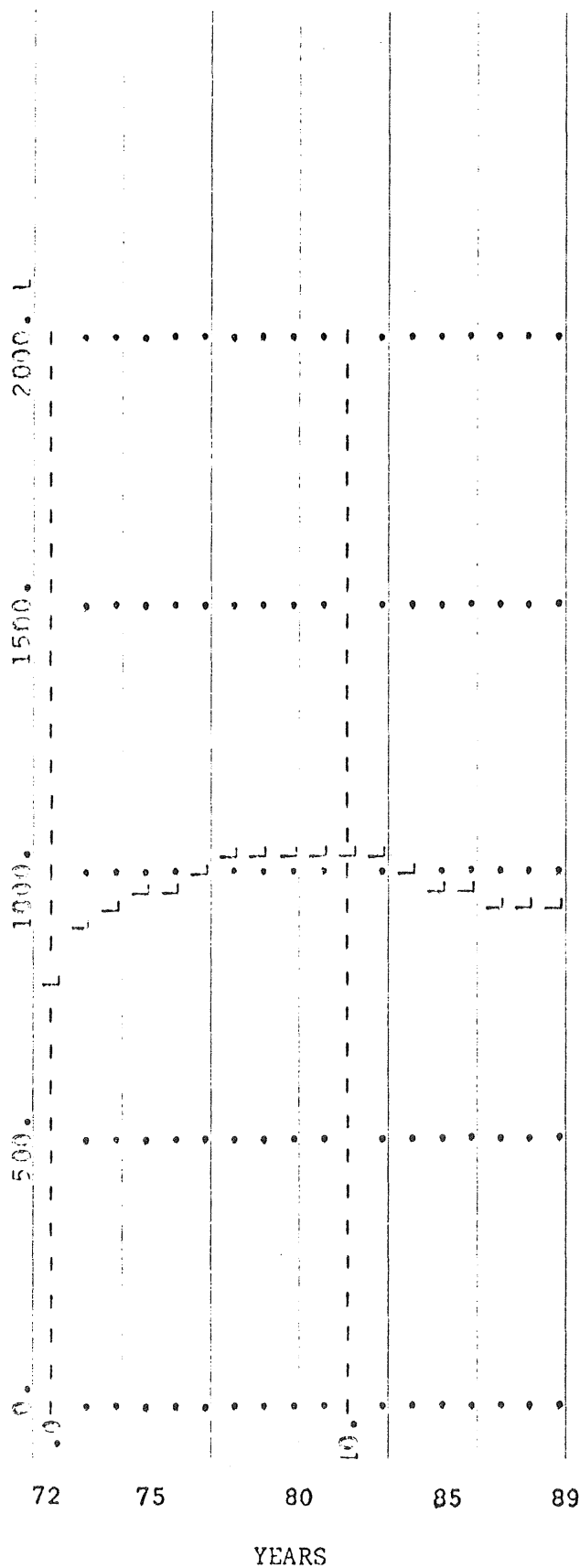
3/26/73

1973-1989

PROJECTIONS BY INSTITUTION

PAGE 76

LP=L



TOTAL HEADCOUNT Minneapolis AVTI

1972 813 *

1973 896

1975 953

1980 1035

1985 980

1989 925

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

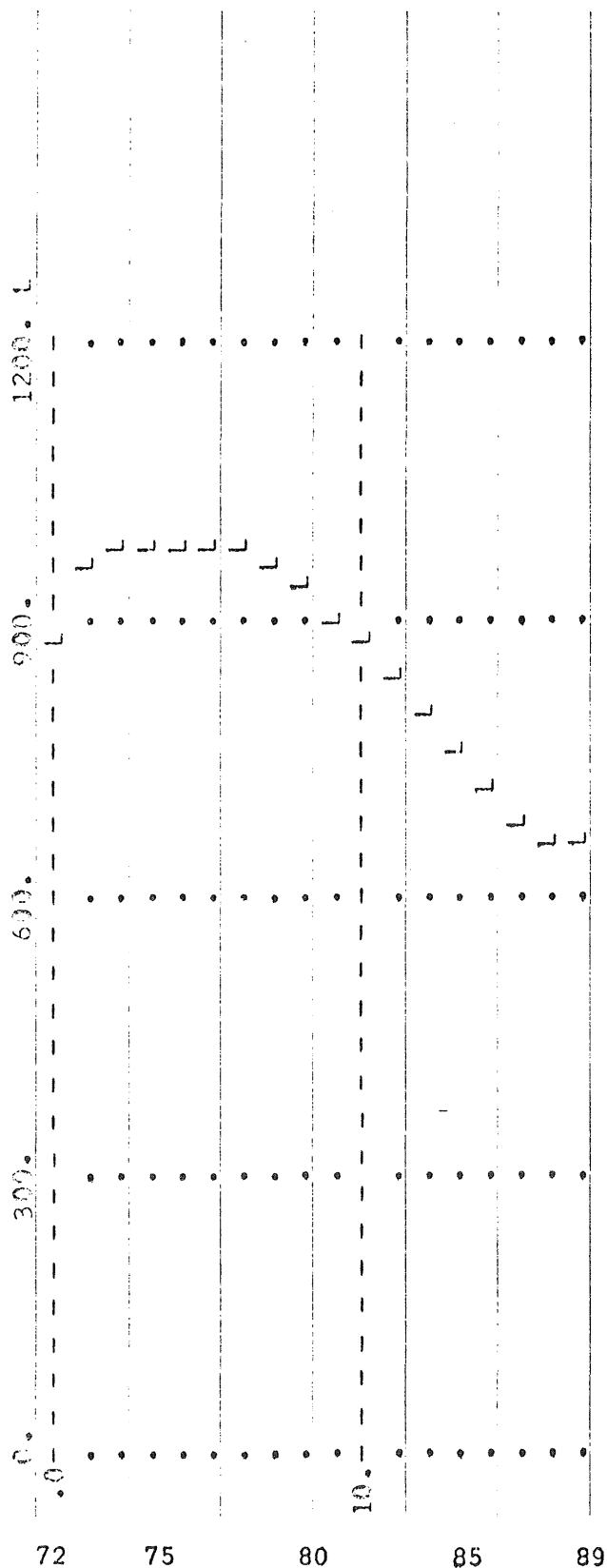
MOORHEAD AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PICT 80

LC=L



TOTAL HEADCOUNT Moorhead AVTI

1972 876 *

1973 951

1975 986

1980 932

1985 763

1989 653

*Actual Enrollment

LEGEND

L = Total Headcount

YEARS

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

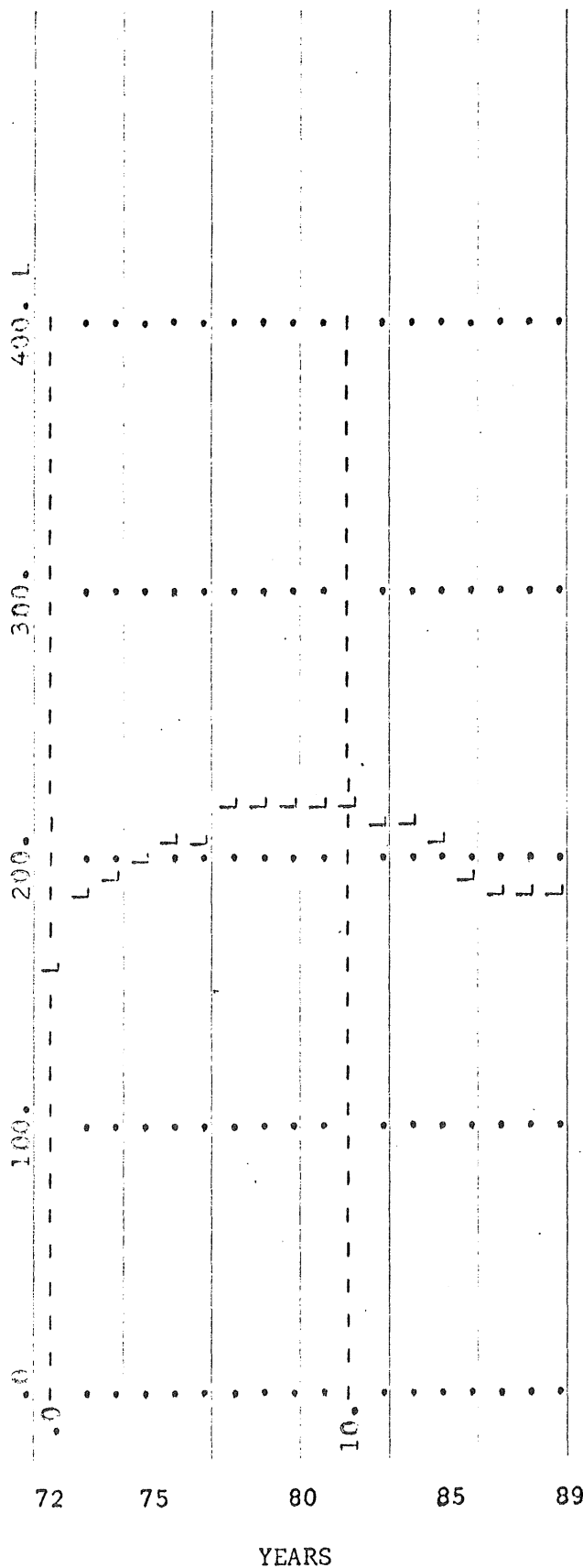
PINE CITY AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 84

L=1



TOTAL HEADCOUNT Pine City AVTI

1972 159 *

1973 184

1975 199

1980 222

1985 203

1989 187

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

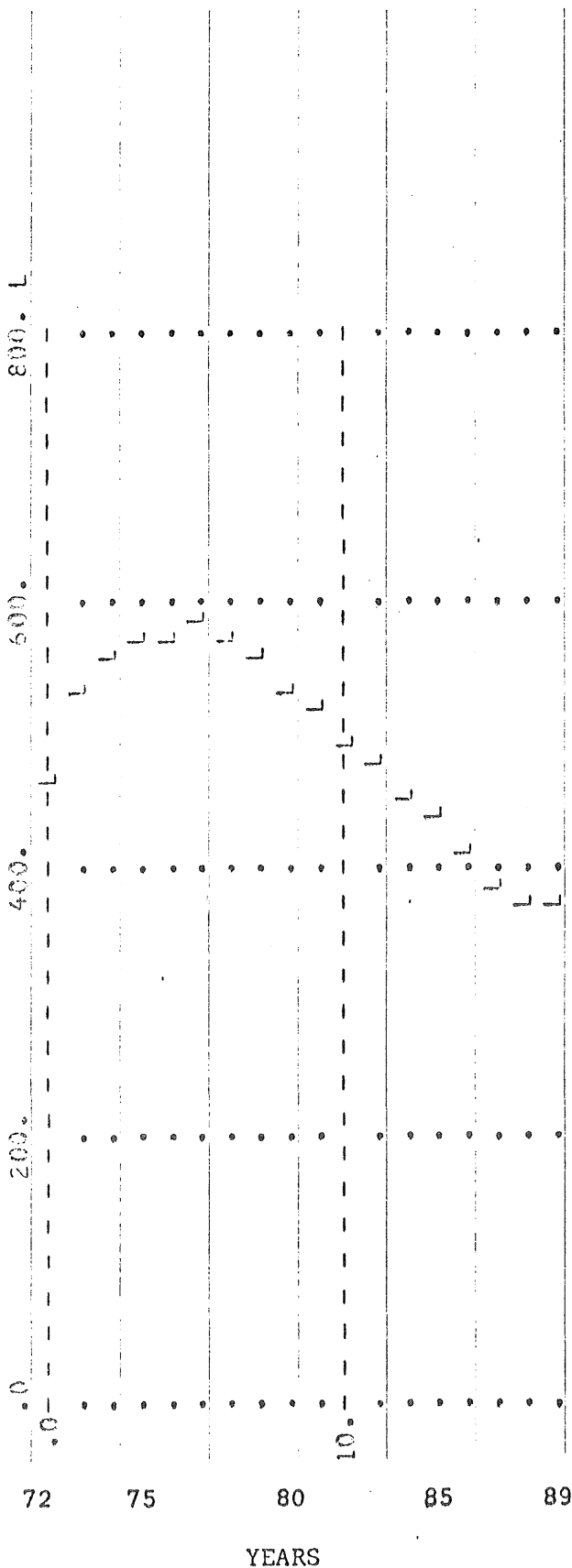
PIPESTONE AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 88

LD=1



TOTAL HEADCOUNT Pipestone AVTI

1972 468 *

1973 536

1975 571

1980 539

1985 436

1989 370

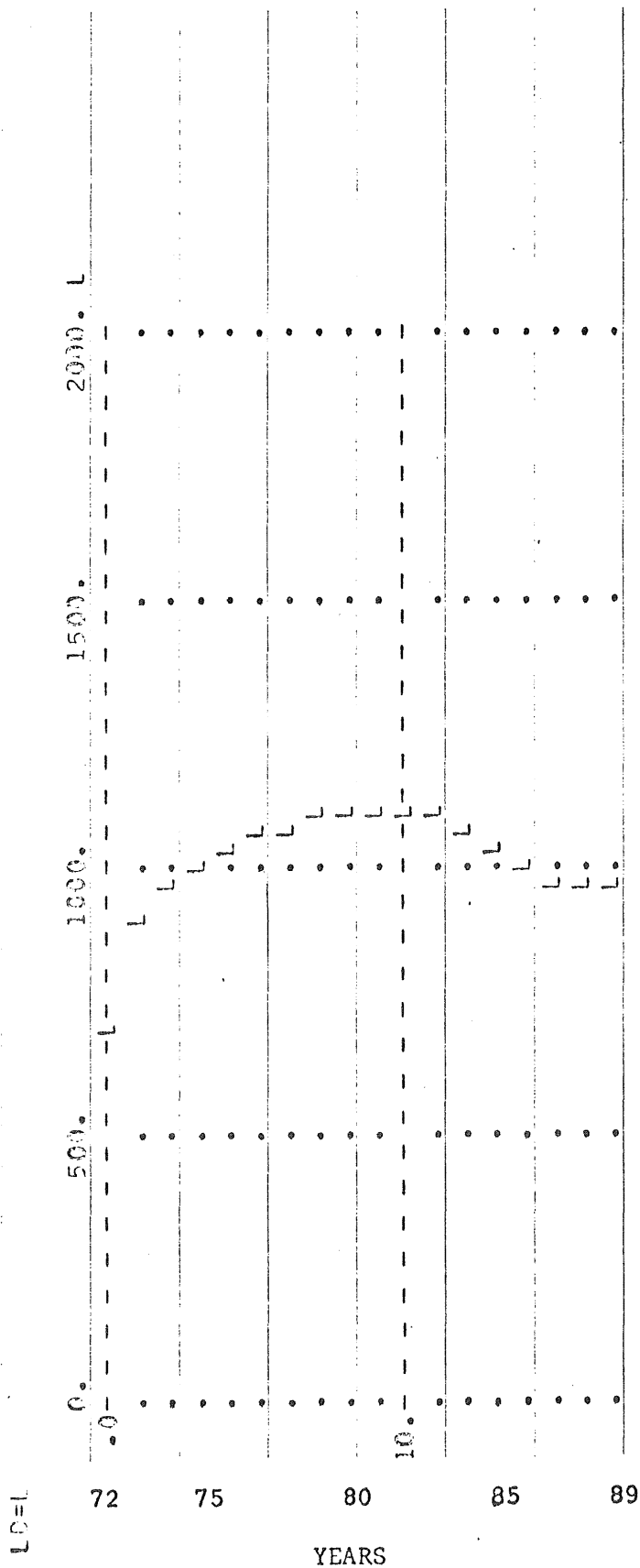
*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

PAGE 02 PROJECTIONS BY INSTITUTION 1973-1989 3/26/73 RAMSEY-WASHINGTON COUNT



TOTAL HEADCOUNT Ramsey-Washington AVTI

1972 700 *

1973 891

1975 998

1980 1092

1985 1035

1989 978

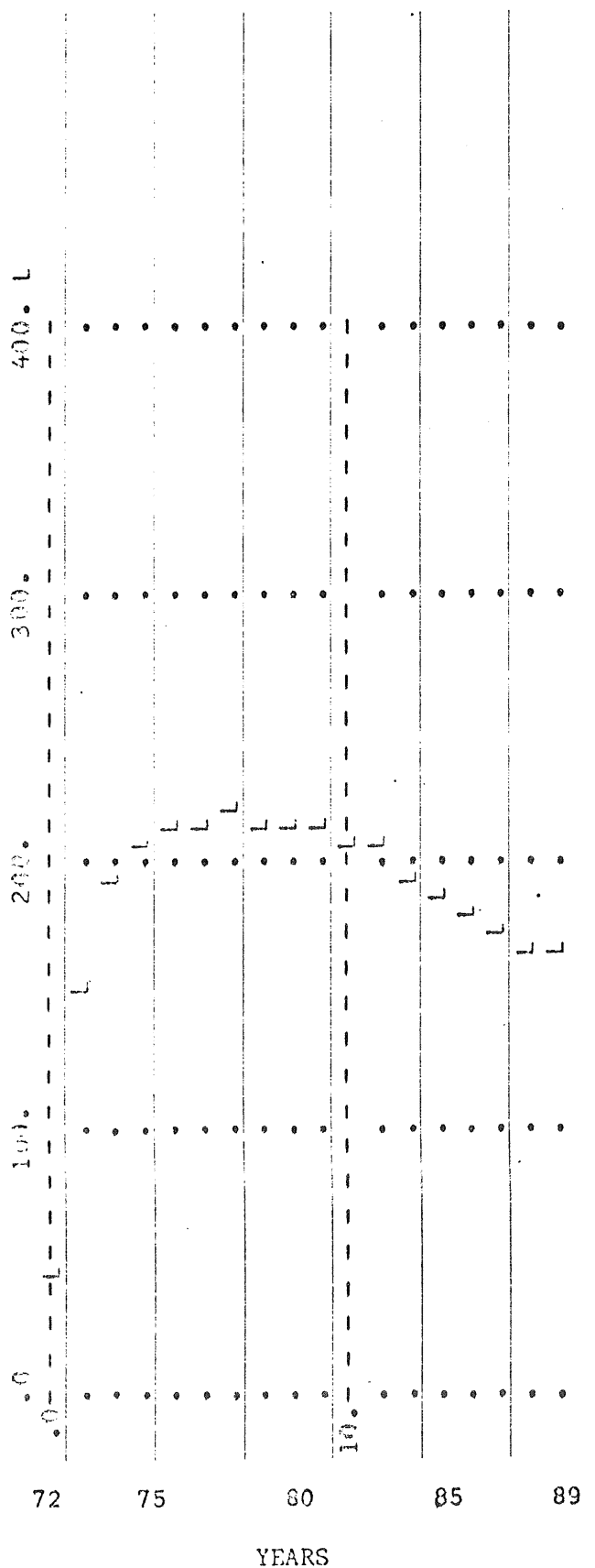
*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

PAGE 6 PROJECTIONS BY INSTITUTION 1972-89 4/06/73 RED WING AVTI



TOTAL HEADCOUNT Red Wing AVTI

1972	45	*
1973	153	
1975	206	
1980	213	
1985	187	
1989	169	

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

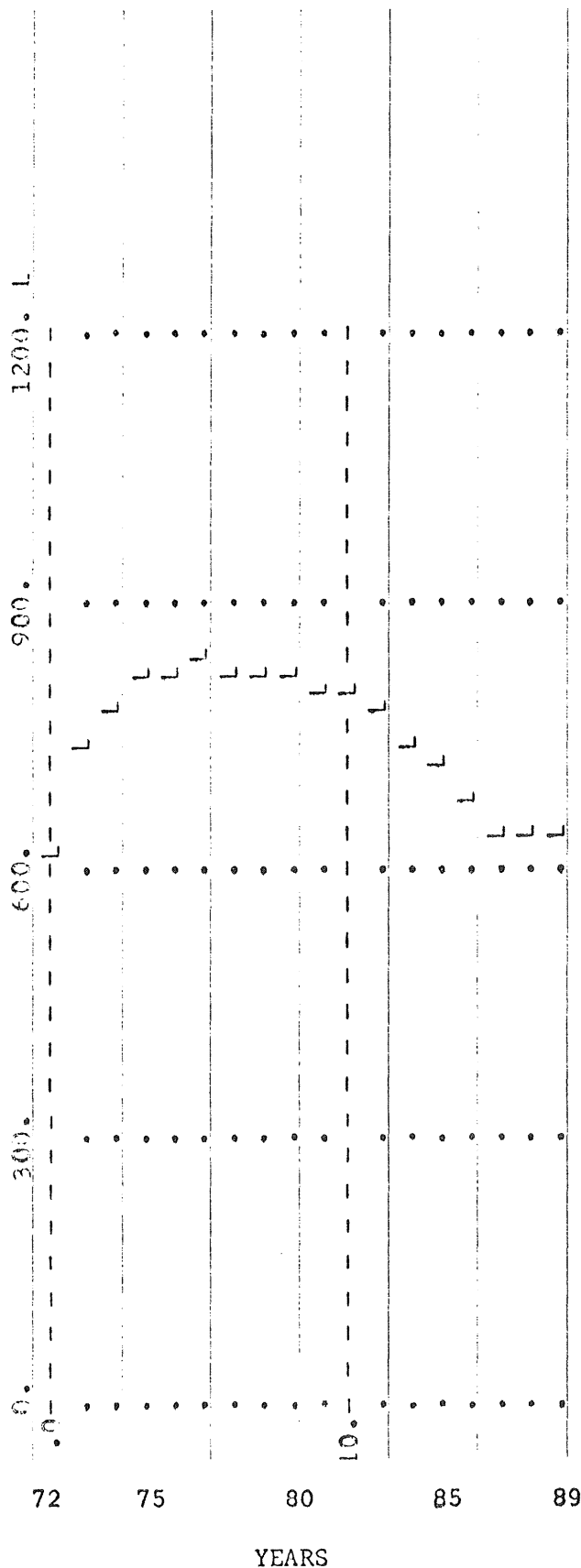
ROCHESTER AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 100

LD=L



TOTAL HEADCOUNT Rochester AVTI

1972 615 *

1973 744

1975 810

1980 814

1985 710

1989 636

*Actual Enrollment

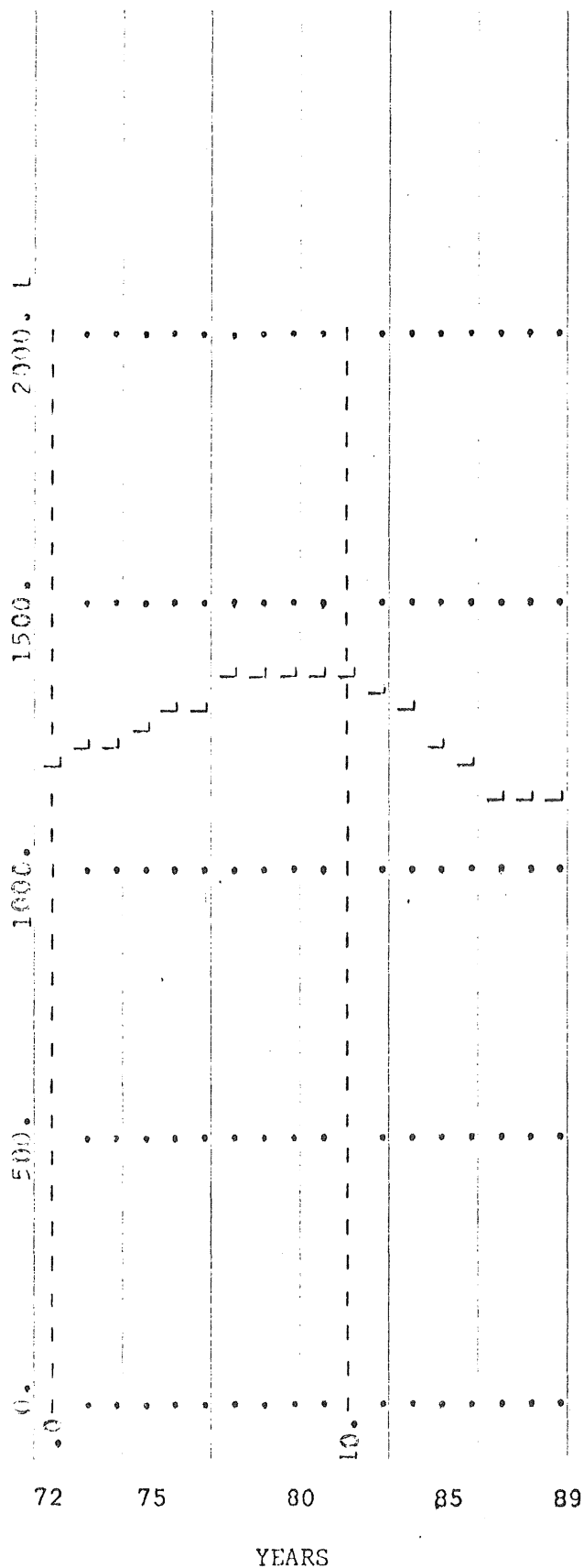
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

PAGE 104 PROJECTIONS BY INSTITUTION 1973-1989 3/26/73 ST. CLOUD AVTI

LP=L



TOTAL HEADCOUNT St. Cloud AVTI

1972 1186 *

1973 1223

1975 1260

1980 1370

1985 1238

1989 1124

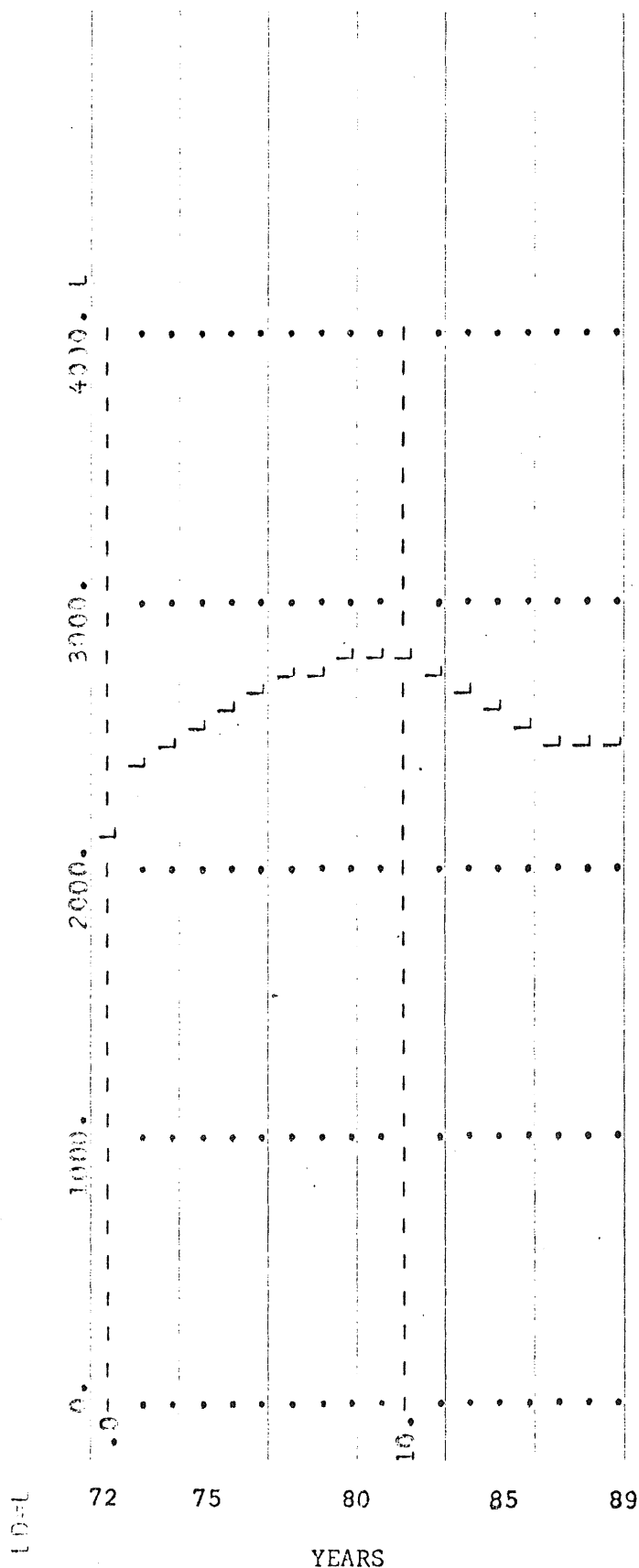
*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

PAGE 109 PROJECTIONS BY INSTITUTION 1973-1989 ST. PAUL AVTI 3/26/73



TOTAL HEADCOUNT St. Paul AVTI

1972 2150 *

1973 2391

1975 2550

1980 2771

1985 2624

1989 2476

*Actual Enrollment

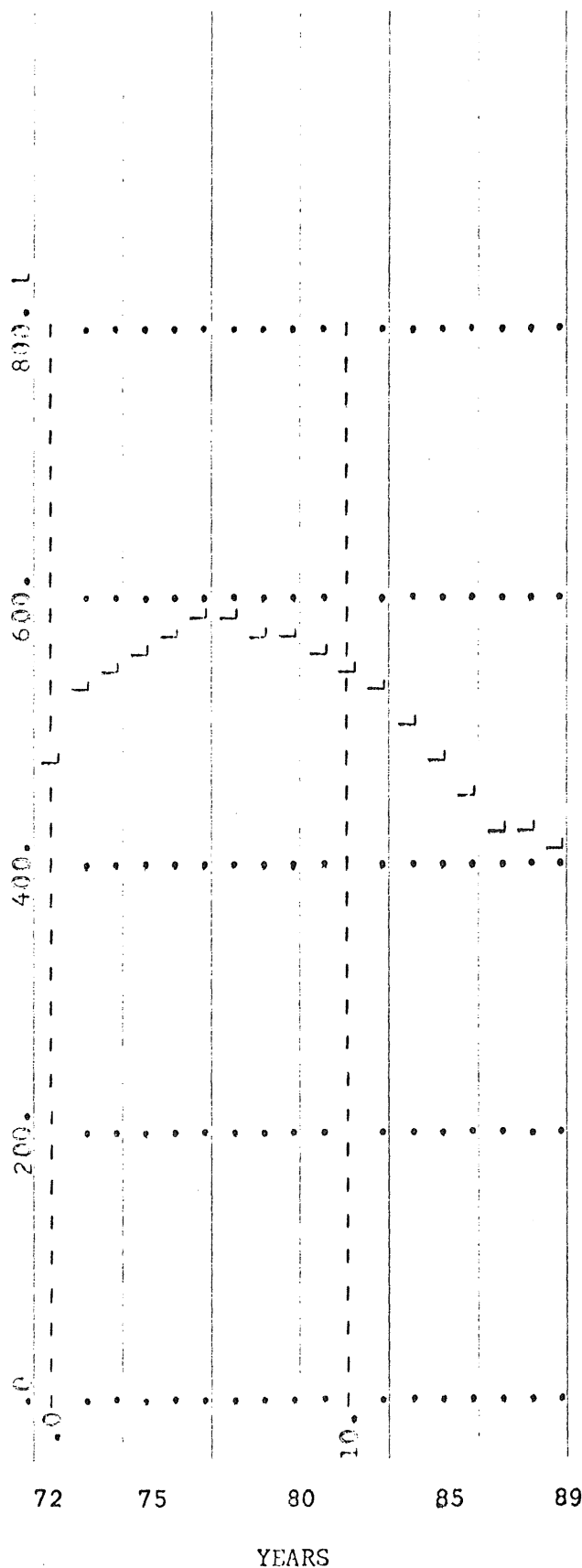
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

PAGE 12 PROJECTIONS BY INSTITUTION 1973-1989 3/26/73 STAPLES AVTI

10=L



TOTAL HEADCOUNT Staples AVTI

1972 483*

1973 532

1975 562

1980 567

1985 482

1989 414

*Actual Enrollment

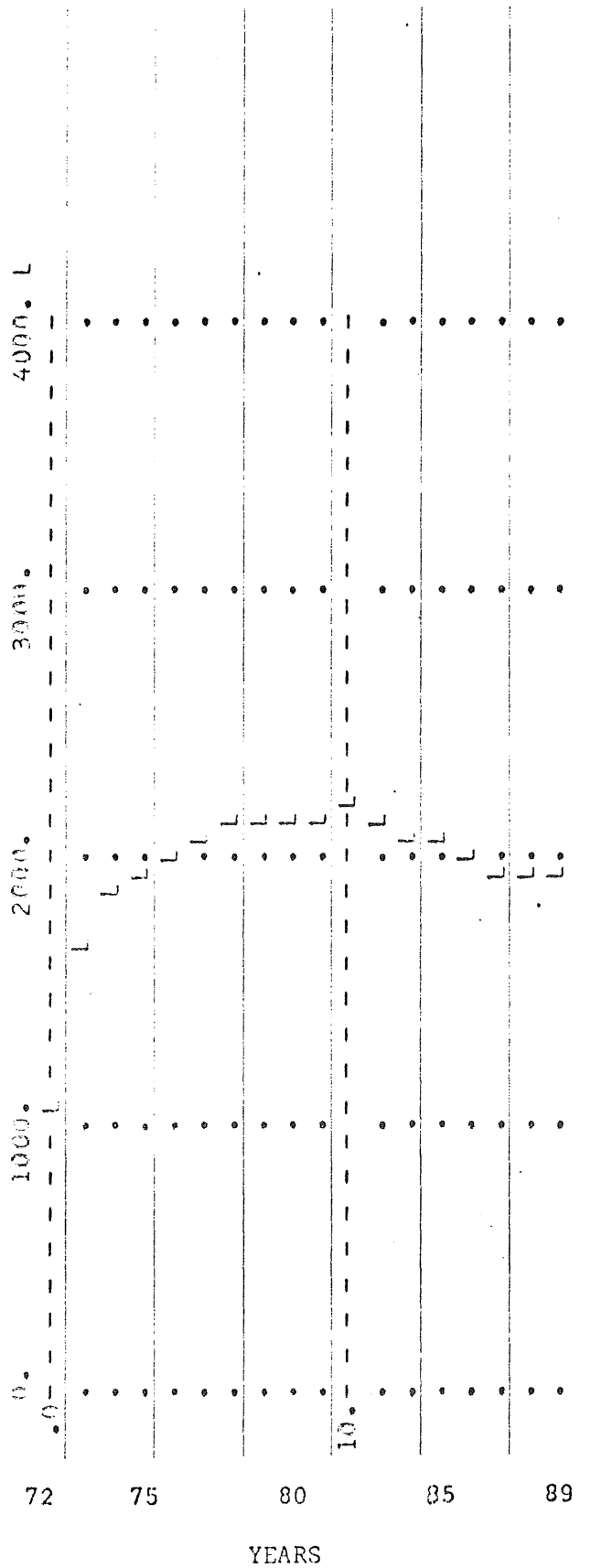
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

PAC 116 PROJECTIONS BY INSTITUTION 19 1989 4/16/73 SURURBAN HENNEPIN COU

10=L



TOTAL HEADCOUNT Suburban Hennepin AVTI

1972 1059 *

1973 1644

1975 1955

1980 2150

1985 2033

1989 1917

*Actual Enrollment

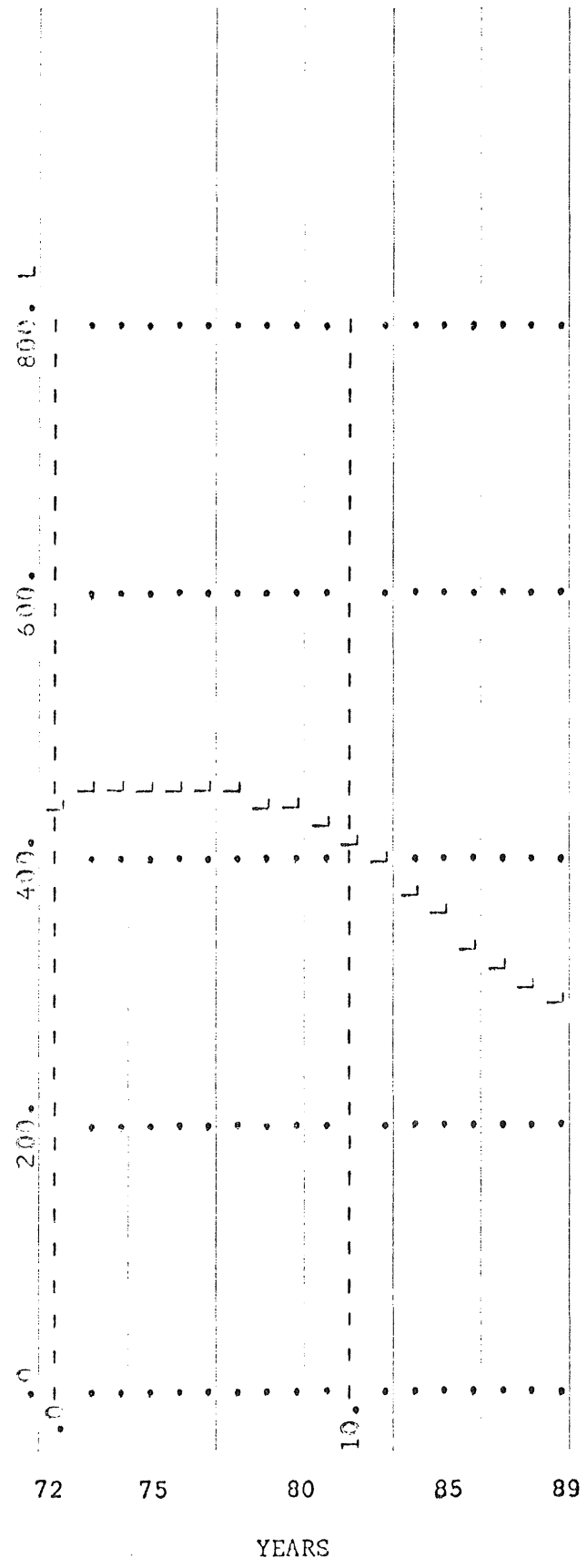
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING 1972 PARTICIPATION RATES
 AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

PAGE 121 PROJECTIONS BY INSTITUTION 1973-1989 THIEF RIVER FALLS AVT

LD=1



TOTAL HEADCOUNT Thief River Falls AVTI

1972	445	*
1973	447	
1975	450	
1980	434	
1985	356	
1989	298	

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

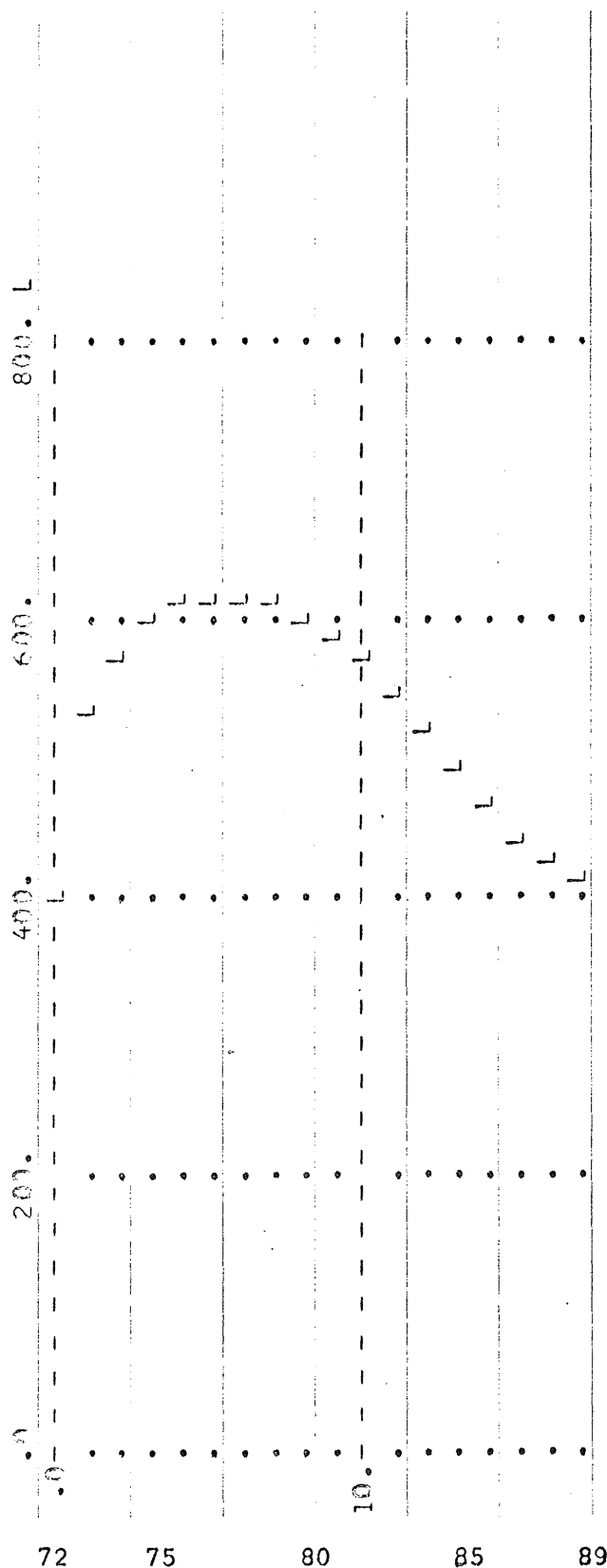
WADENA AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 125

LD=L



TOTAL HEADCOUNT Wadena AVTI

1972 397 *

1973 529

1975 597

1980 597

1985 496

1989 419

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

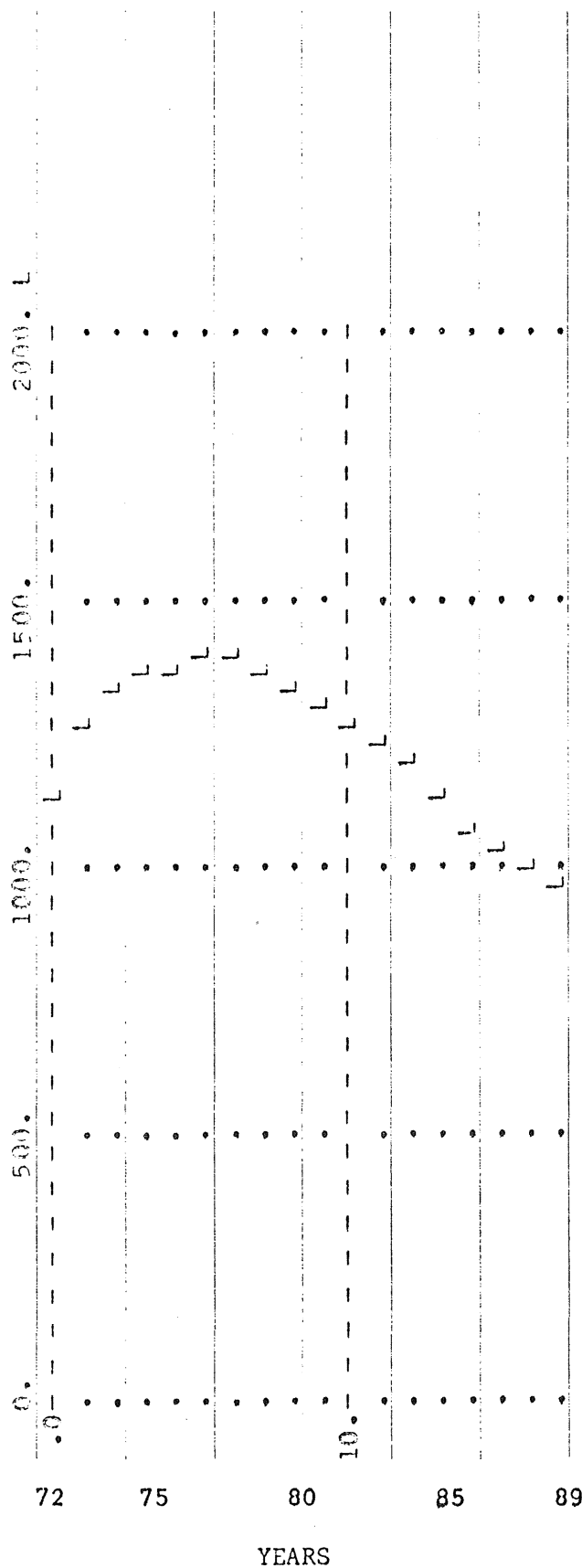
WILLMAR AVTI

3/26/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 129

LD=L



TOTAL HEADCOUNT Willmar AVTI

1972 1146 *

1973 1278

1975 1354

1980 1343

1985 1129

1989 972

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING 1972 PARTICIPATION RATES
AND 0.65 PER CENT OF STUDENTS IN ONE YEAR PROGRAMS

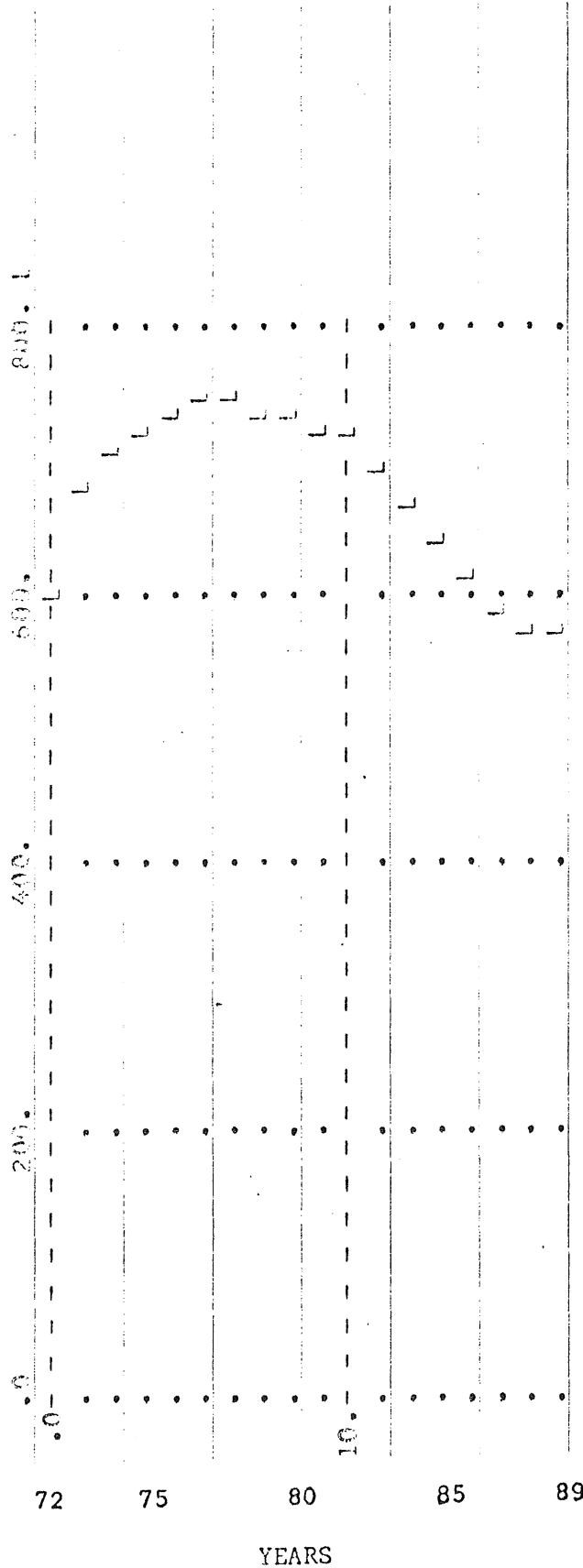
WINONA AVTI

3/26/72

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 133

LO=L



TOTAL HEADCOUNT Winona AVTI

1972 596 *

1973 681

1975 726

1980 730

1985 639

1989 573

*Actual Enrollment

LEGEND

L = Total Headcount

AREA VOCATIONAL-TECHNICAL INSTITUTES, SIMULATION 3:

"PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED TO
ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976"

NOTE: Dakota County, East Grand Forks, Hutchinson, Red
Wing, and Suburban Hennepin Adjusted to the
Department of Education Enrollment Estimates

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

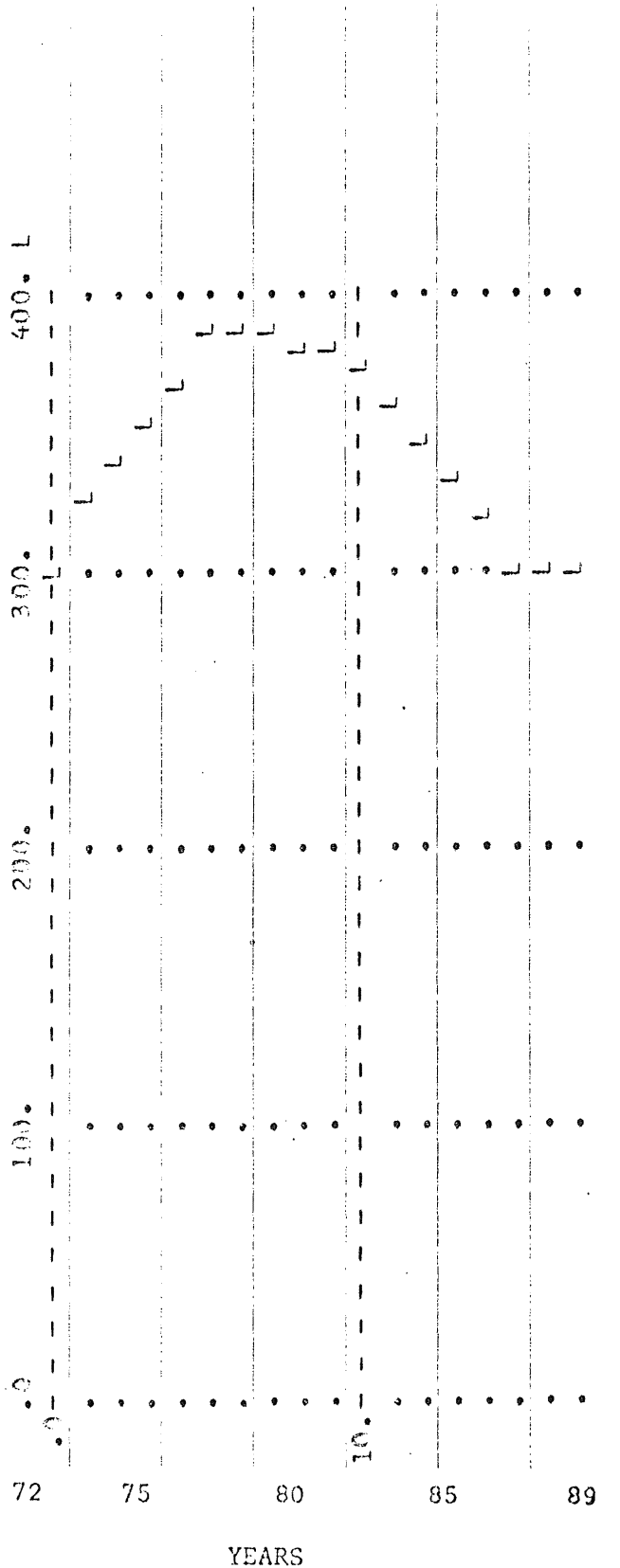
ALBERT LEA AVTI

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 4

LP=L



TOTAL HEADCOUNT Albert Lea AVTI

1972 299 *

1973 327

1975 352

1980 381

1985 332

1989 298

*Actual Enrollment

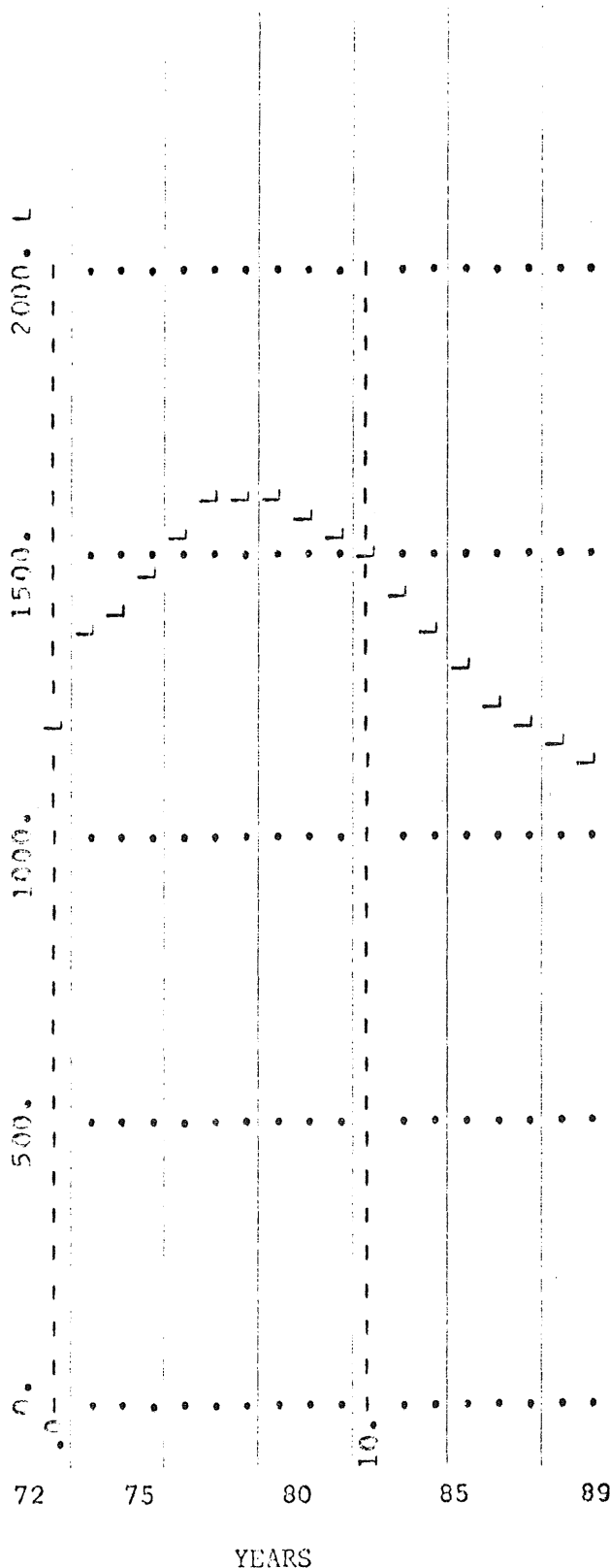
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAGE 8 PROJECTIONS BY INSTITUTION 1973-1989 3/30/73 ALEXANDRIA AVTI

LD=1



TOTAL HEADCOUNT Alexandria AVTI

1972 1209 *

1973 1361

1975 1475

1980 1565

1985 1315

1989 1146

*Actual Enrollment

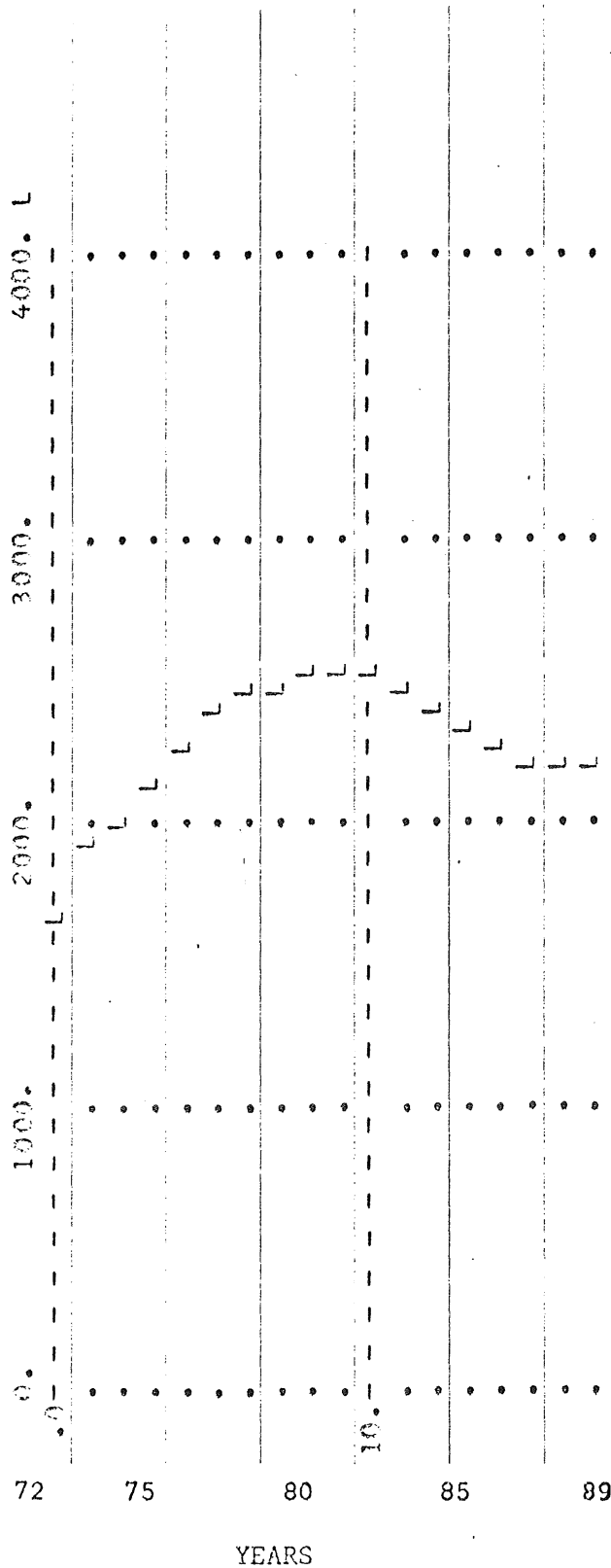
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAGE 12 PROJECTIONS BY INSTITUTION 1973-1989 3/30/73 ANOKA AVTI

10=1



TOTAL HEADCOUNT Anoka AVTI

1972 1647 *

1973 1903

1975 2112

1980 2503

1985 2353

1989 2207

*Actual Enrollment

LEGEND

L = Total Headcount

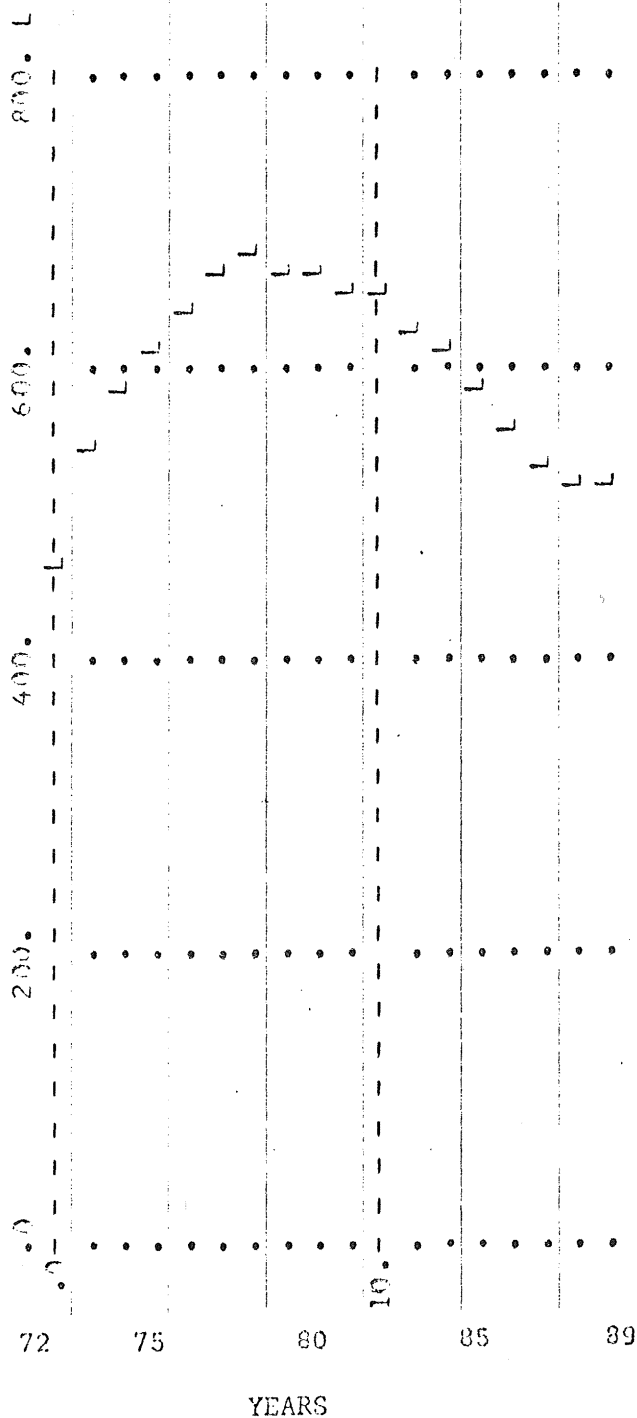
PROJECTED ENROLLMENTS 1973-1989
 USING PARTICIPATION RATE ESTIMATED
 TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

AUSTIN AVTI

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

LP=1



TOTAL HEADCOUNT Austin AVTI

1972 466 *

1973 551

1975 609

1980 665

1985 582

1989 522

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

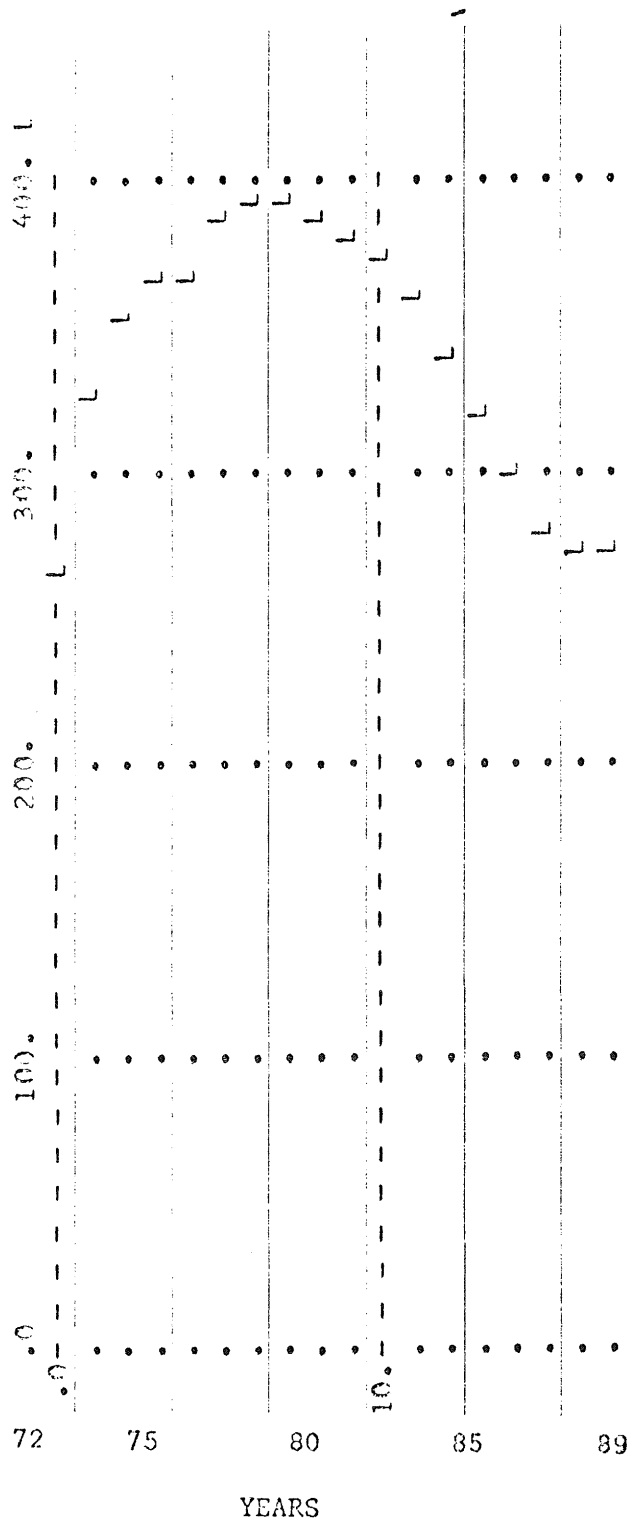
BEMIDJI AVTI

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 20

10=L



TOTAL HEADCOUNT Bemidji AVTI

1972 266 *

1973 328

1975 366

1980 387

1985 318

1989 276

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

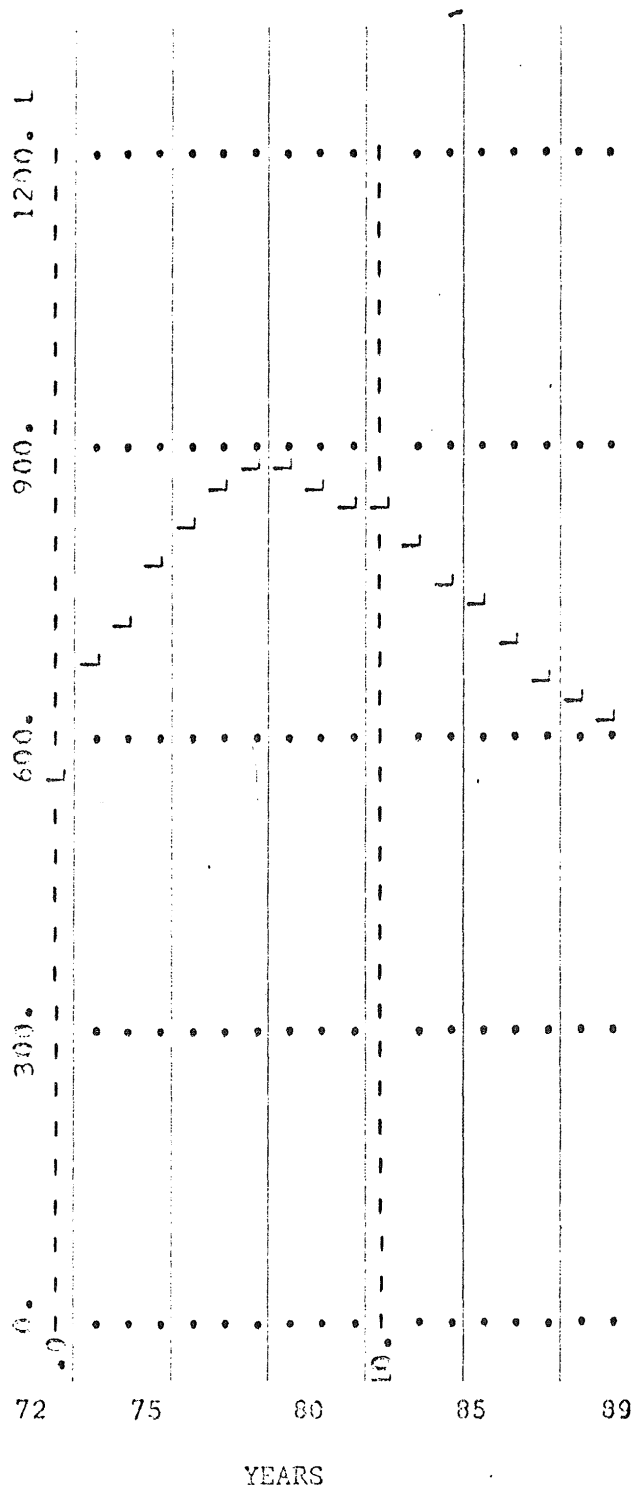
BRainerd AVTI

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 2

LD=1



TOTAL HEADCOUNT Brainerd AVTI

1972 552 *

1973 682

1975 773

1980 861

1985 732

1989 625

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

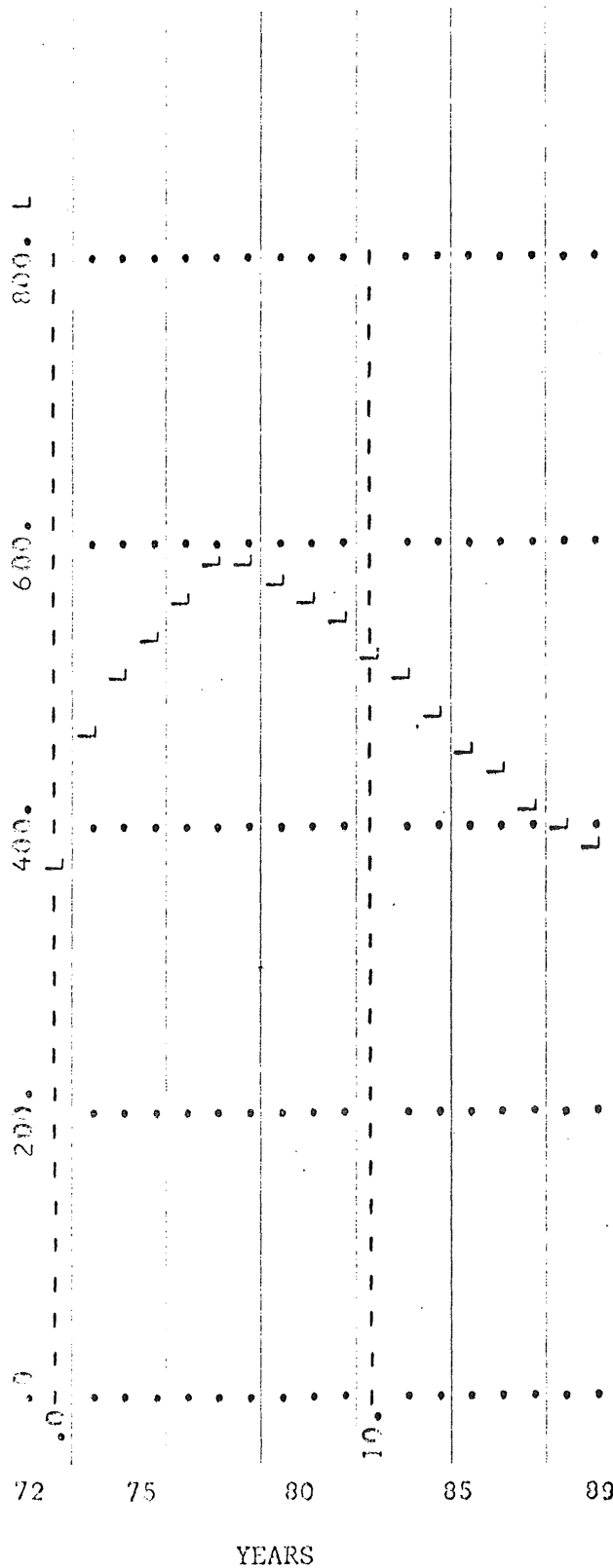
CANBY AVTI

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 1

10=L



TOTAL HEADCOUNT Canby AVTI

1972 380 *

1973 472

1975 532

1980 558

1985 459

1989 390

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

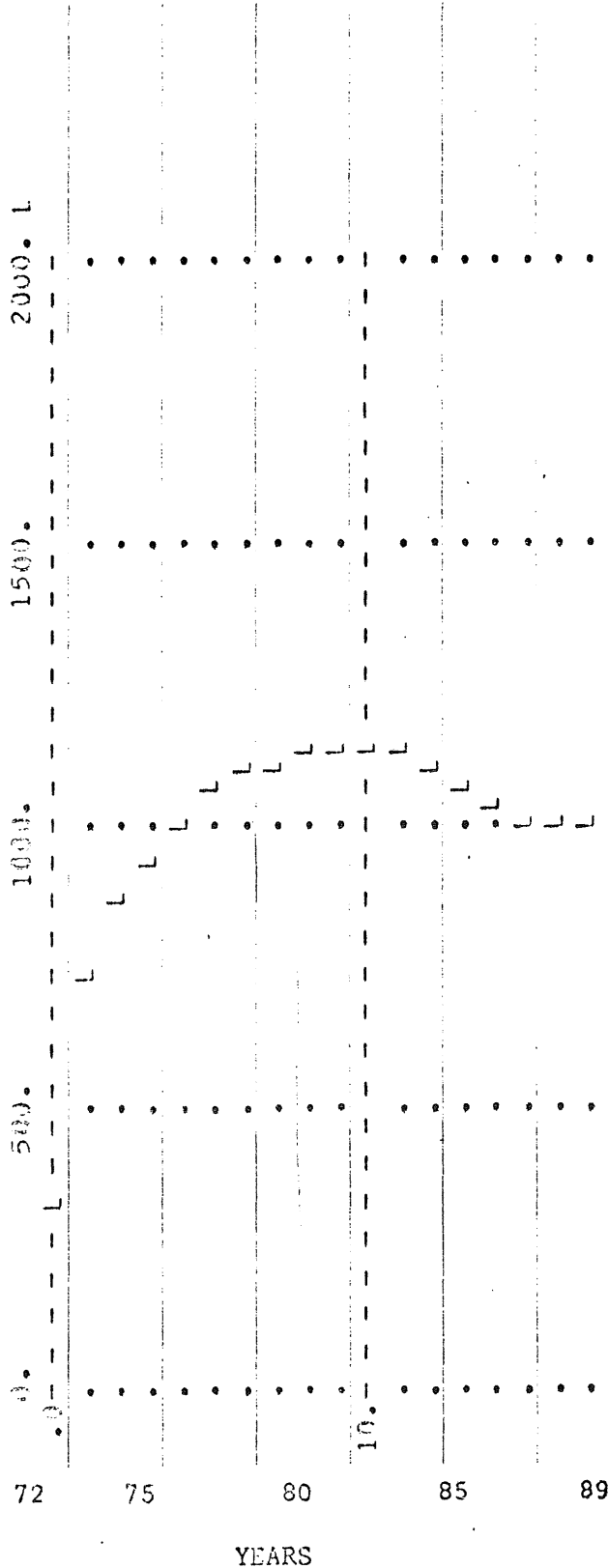
DAKOTA COUNTY AVTI

4/10/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 32

LD=L



TOTAL HEADCOUNT Dakota County AVTI

1972 347 *

1973 720

1975 936

1980 1124

1985 1064

1989 1003

*Actual Enrollment

LEGEND

L = Total Headcount

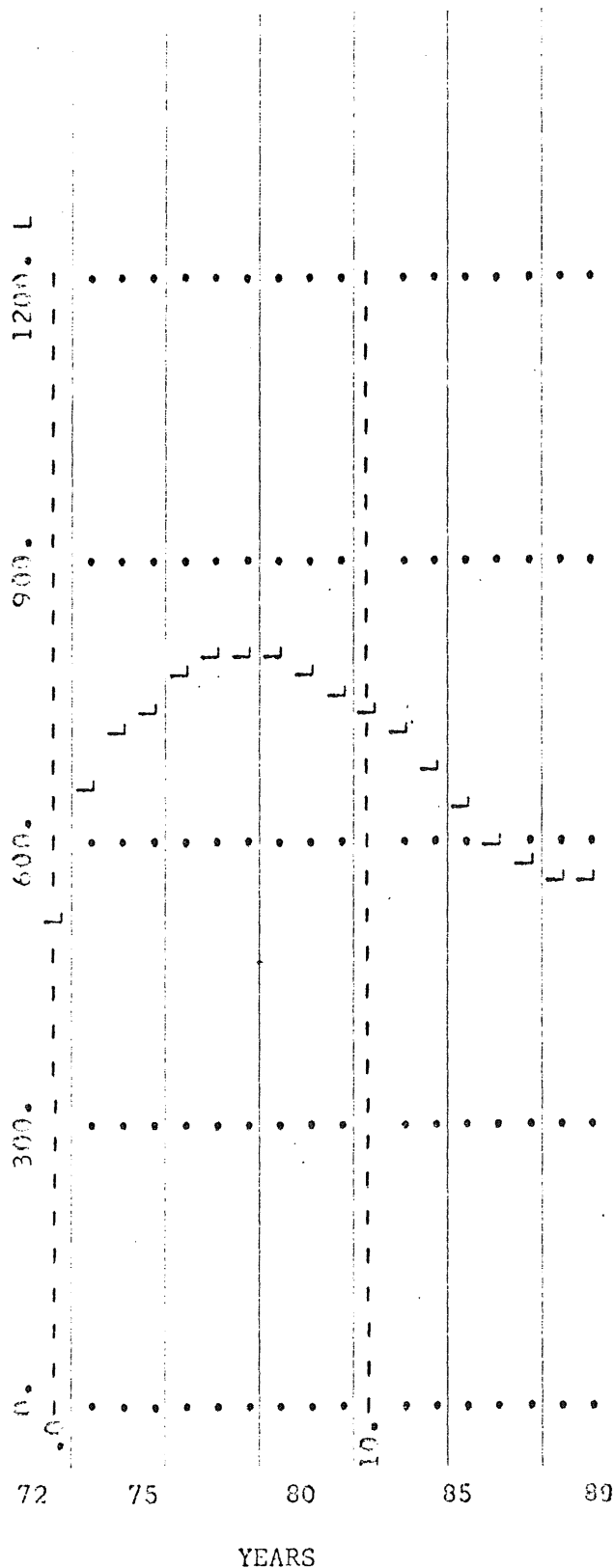
PROJECTED ENROLLMENTS 1973-1989
 USING PARTICIPATION RATE ESTIMATED
 TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

DETROIT LAKES AVTI

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

LD=1



TOTAL HEADCOUNT DETROIT LAKES AVTI

1972 515 *

1973 661

1975 749

1980 783

1985 646

1989 559

*Actual Enrollment

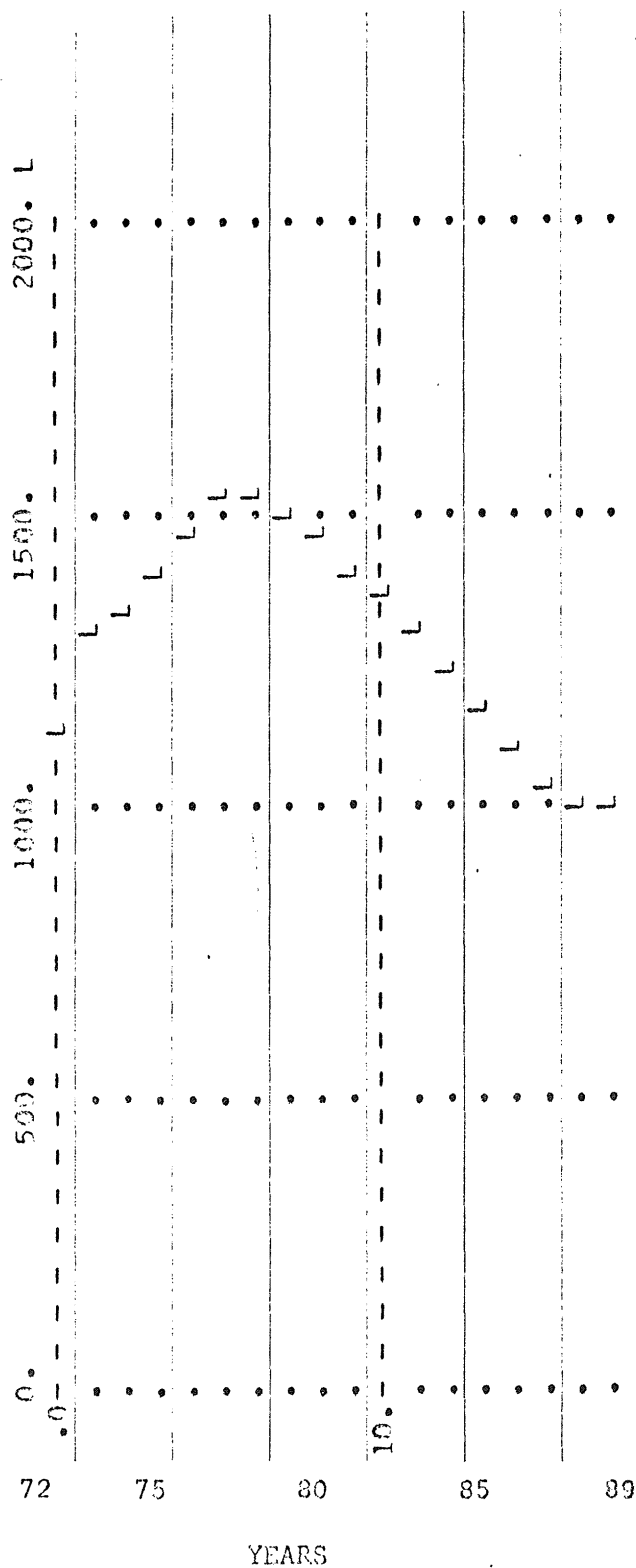
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING PARTICIPATION RATE ESTIMATED
 TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAGE 7 PROJECTIONS BY INSTITUTION 1973- 89 3/30/73 DULUTH AVTI

10=L



TOTAL HEADCOUNT Duluth AVTI

1972 1136 *

1973 1291

1975 1406

1980 1451

1985 1162

1989 992

*Actual Enrollment

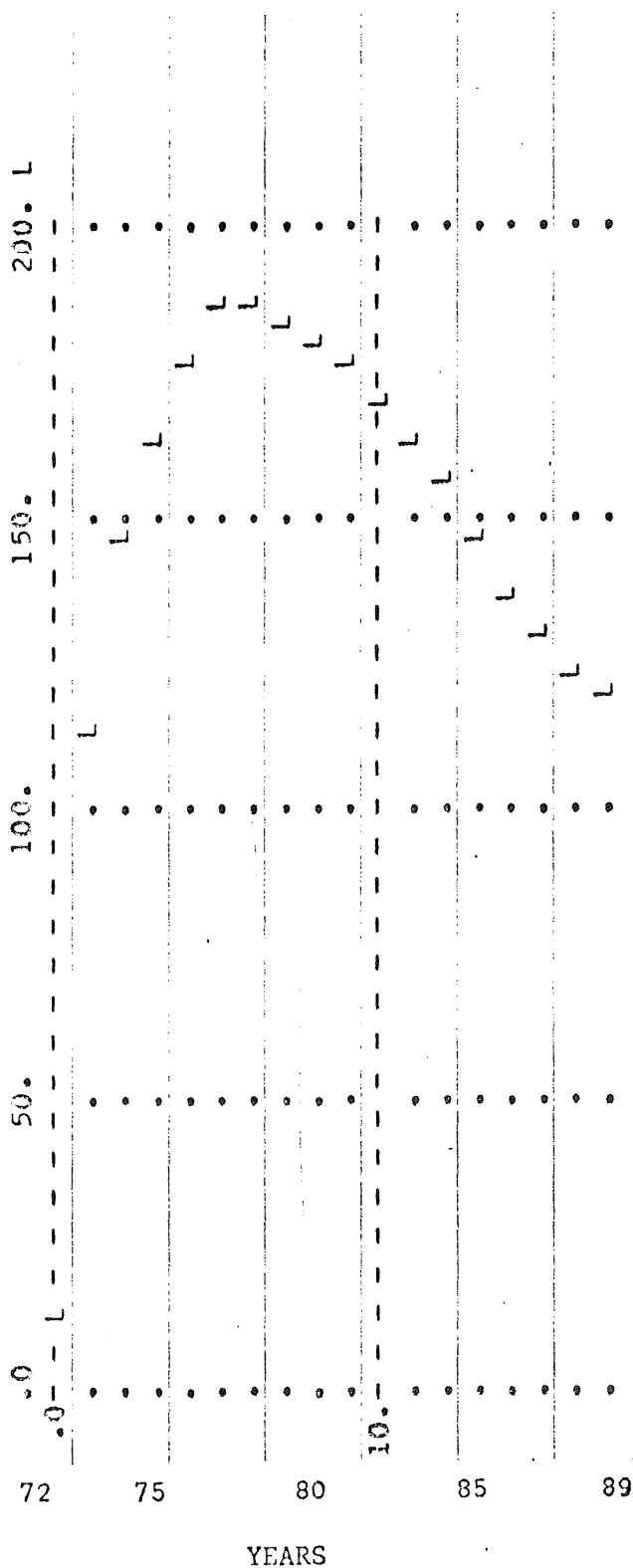
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAGE 44 PROJECTIONS BY INSTITUTION 1973-1989 4/09/73 EAST GRAND FORKS AVTI

LD=1



TOTAL HEADCOUNT East Grand Forks AVTI

1972 14 *

1973 112

1975 164

1980 179

1985 146

1989 120

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

EVELETH AVTI

3/30/73

389

1973

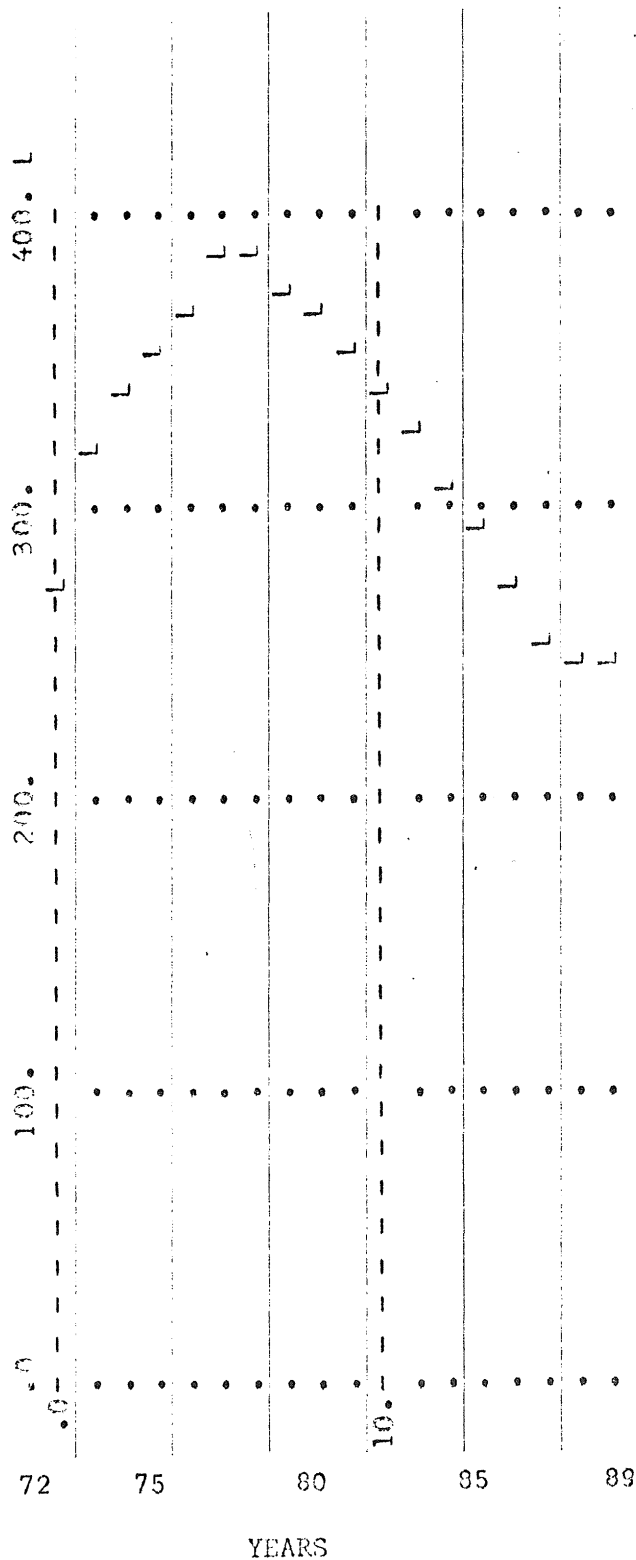
PROJECTIONS BY INSTITUTION

BY INSTITUTION

3

PAGE 3

LD=L



TOTAL HEADCOUNT Eveleth AVTI

1972 271 *

1973 320

1975 353

1980 364

1985 290

1989 246

*Actual Enrollment

LEGEND

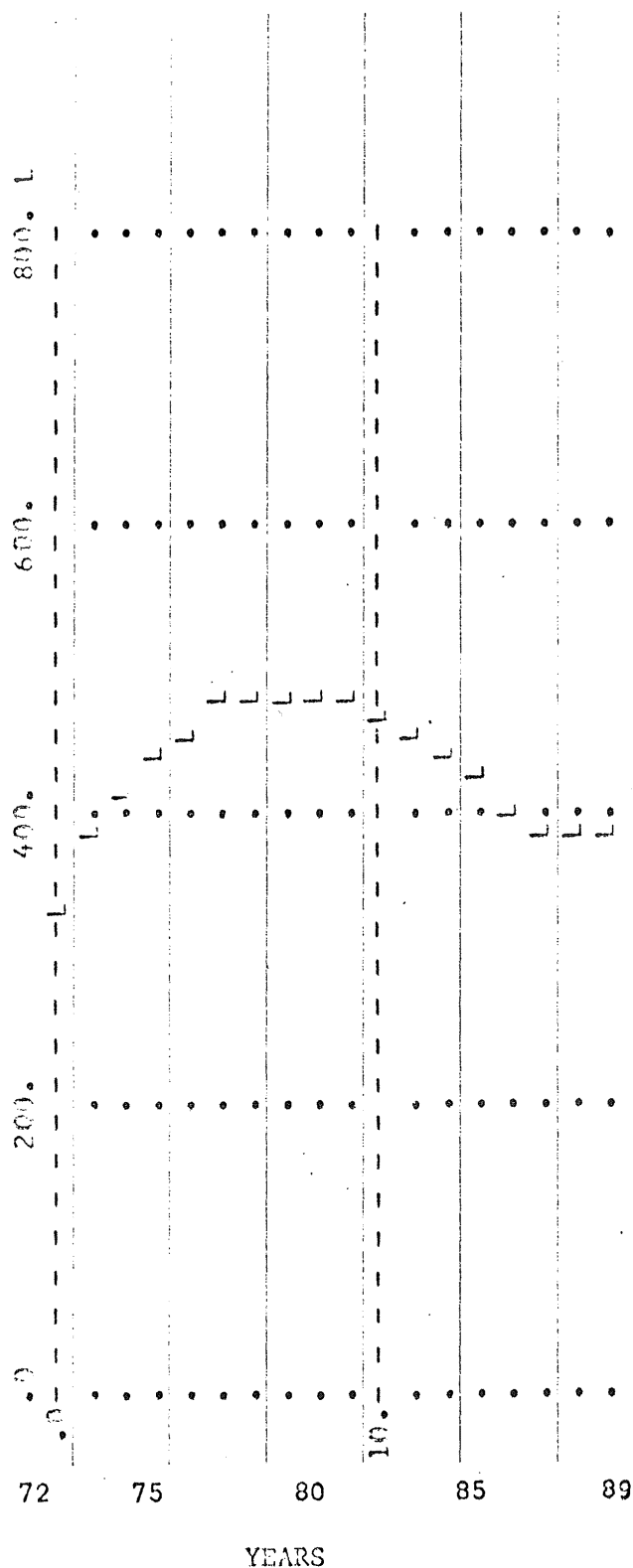
L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PROJECTIONS BY INSTITUTION 1973-1989

3/30/73 FARIBAUT AVTI

10=1



TOTAL HEADCOUNT Faribault AVTI

1972 327 *

1973 393

1975 437

1980 479

1985 422

1989 381

*Actual Enrollment

LEGEND

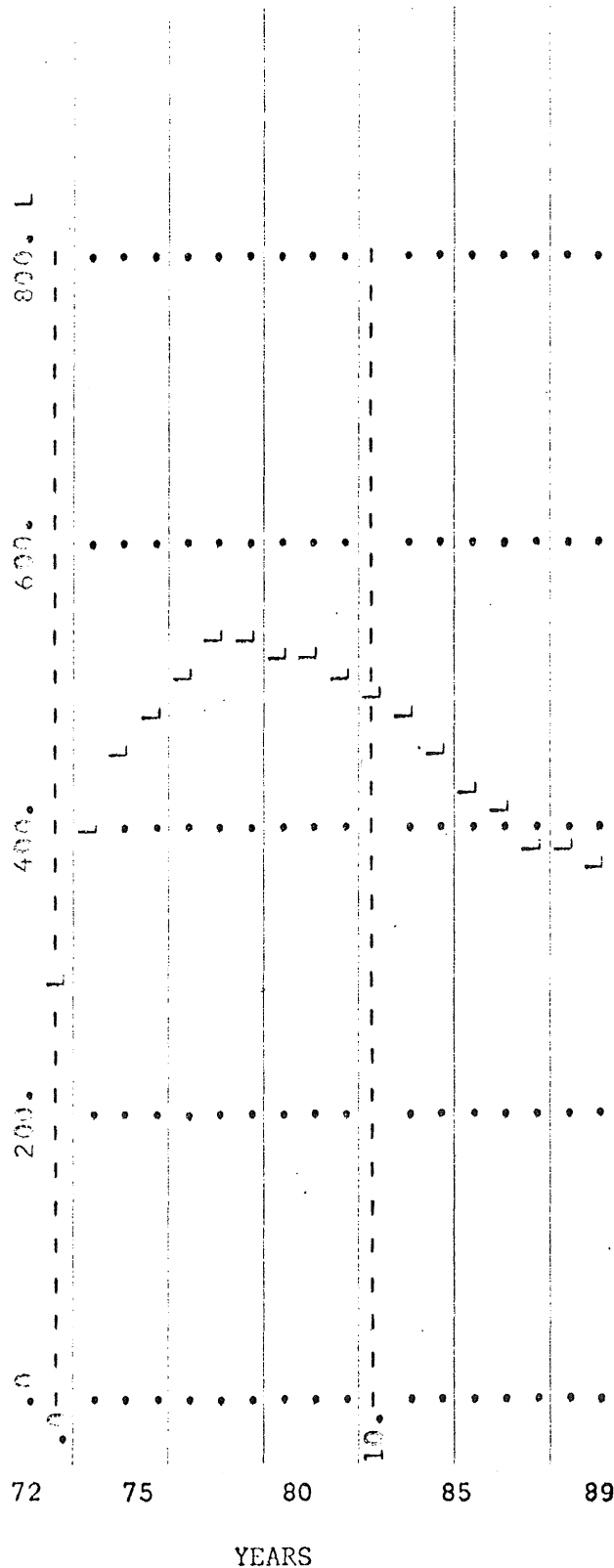
L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAGE PROJECTIONS BY INSTITUTION 1973-1989 GRANITE FALLS AVTI

3/30/73

LD=1



TOTAL HEADCOUNT Granite Falls AVTI

1972 288 *

1973 405

1975 477

1980 514

1985 432

1989 373

*Actual Enrollment

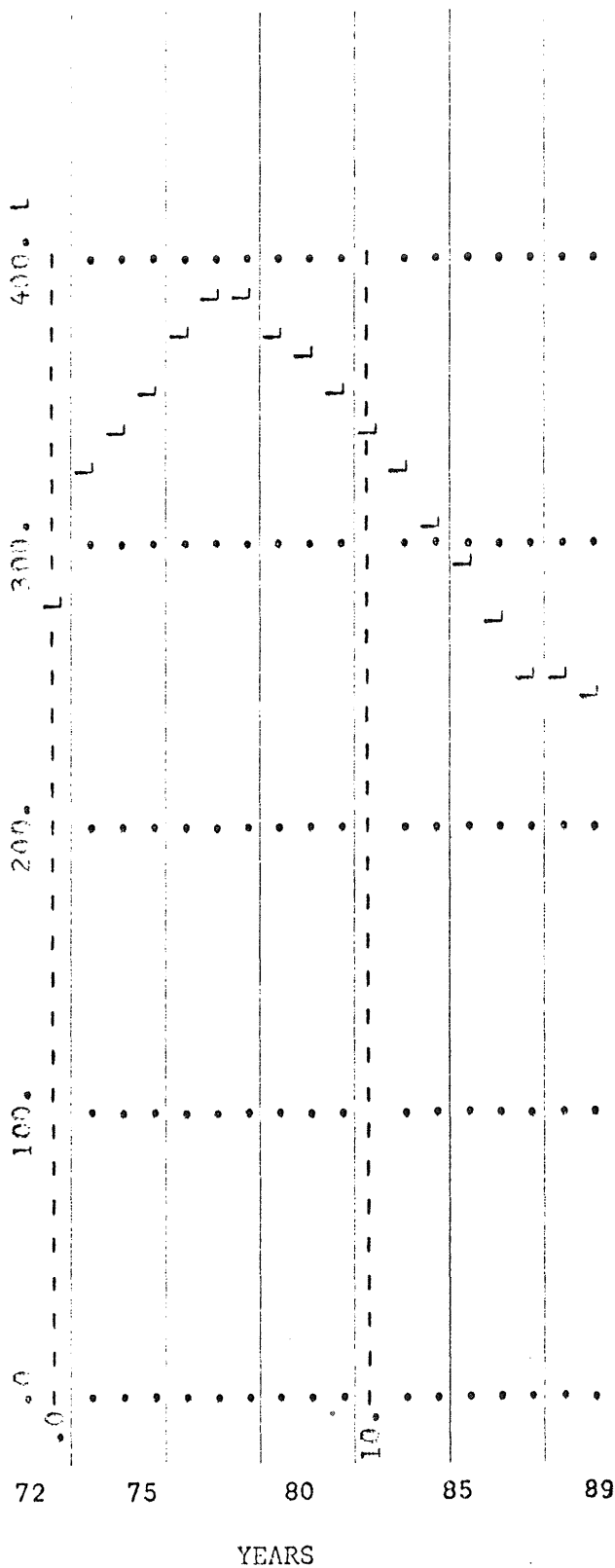
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAC 60 PROJECTIONS BY INSTITUTION 197 989 3/30/73 HIBBING AVTI

LD=L



TOTAL HEADCOUNT Hibbing AVTI

1972 283 *

1973 324

1975 354

1980 365

1985 291

1989 248

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

HUTCHINSON AVTI

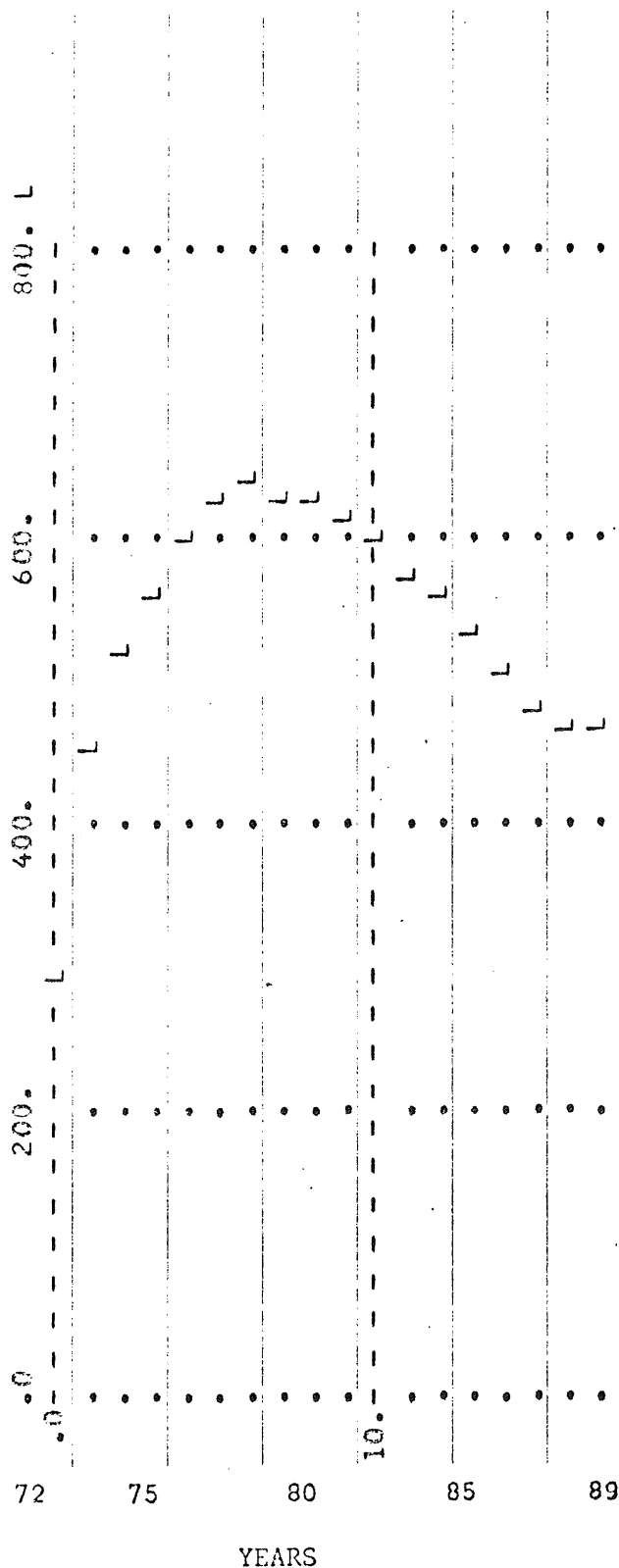
4/09/73

89

PROJECTIONS BY INSTITUTION 1973

PAGE 1

10-1



TOTAL HEADCOUNT Hutchinson AVTI

1972 295 *

1973 459

1975 557

1980 620

1985 532

1989 464

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING PARTICIPATION RATE ESTIMATED
 TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

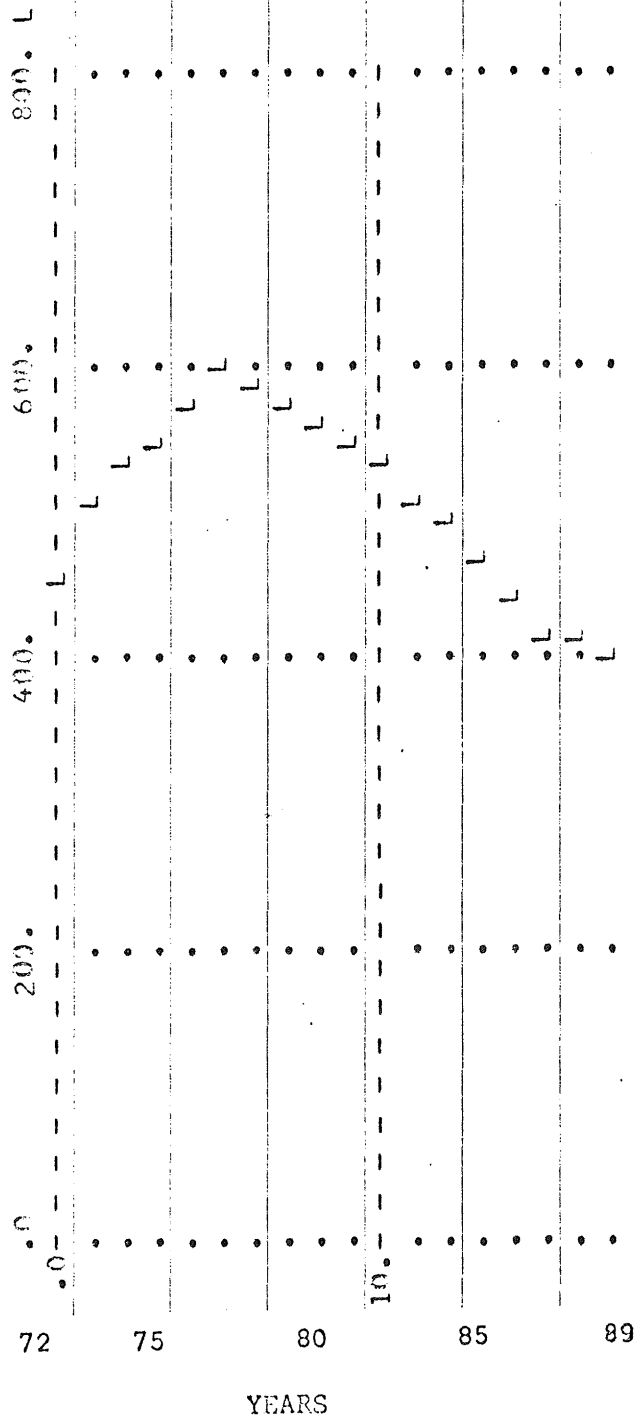
JACKSON AVTI

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 68

L=1



TOTAL HEADCOUNT Jackson AVTI

1972 454 *

1973 511

1975 552

1980 564

1985 464

1989 404

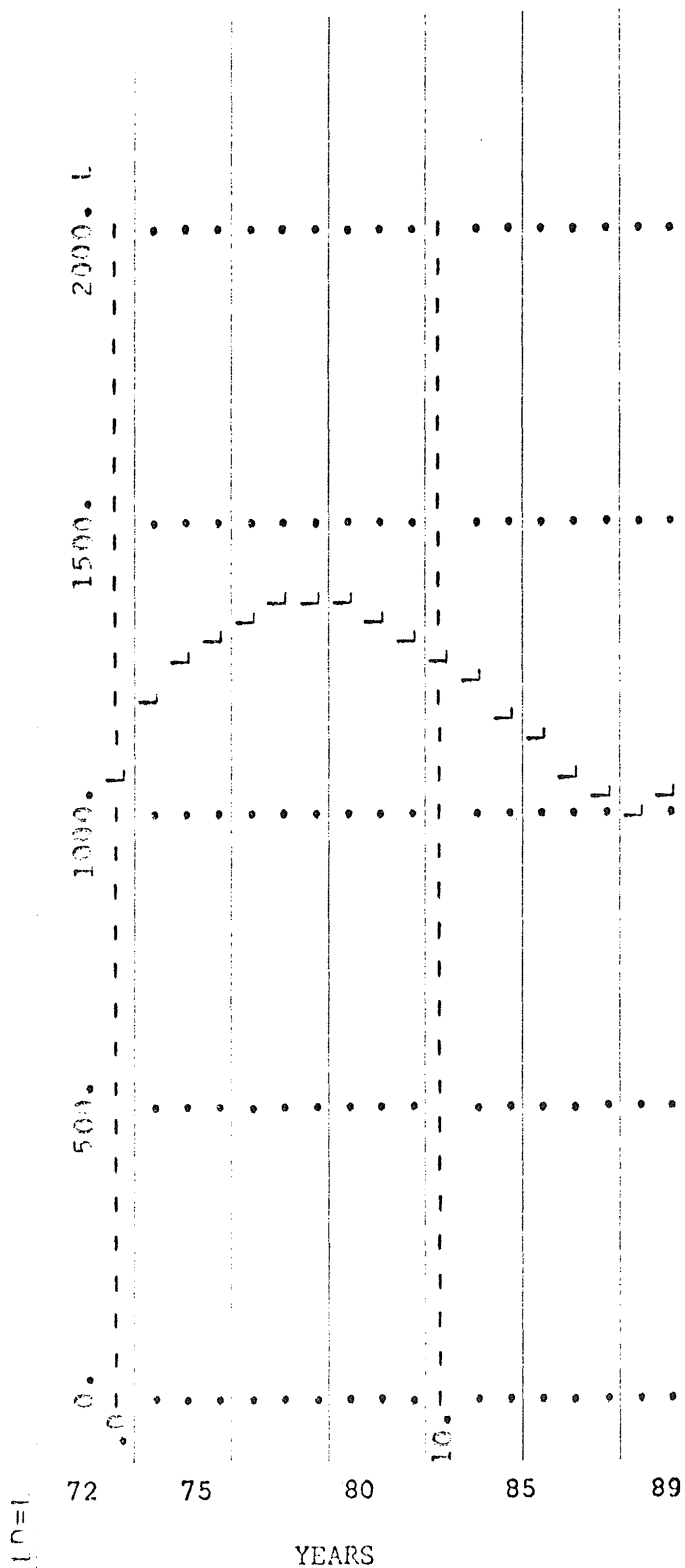
*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAGE 12 PROJECTIONS BY INSTITUTION 1973-1989 MANKATO AVTI



TOTAL HEADCOUNT Mankato AVTI

1972 1066 *

1973 1207

1975 1300

1980 1328

1985 1123

1989 1016

*Actual Enrollment

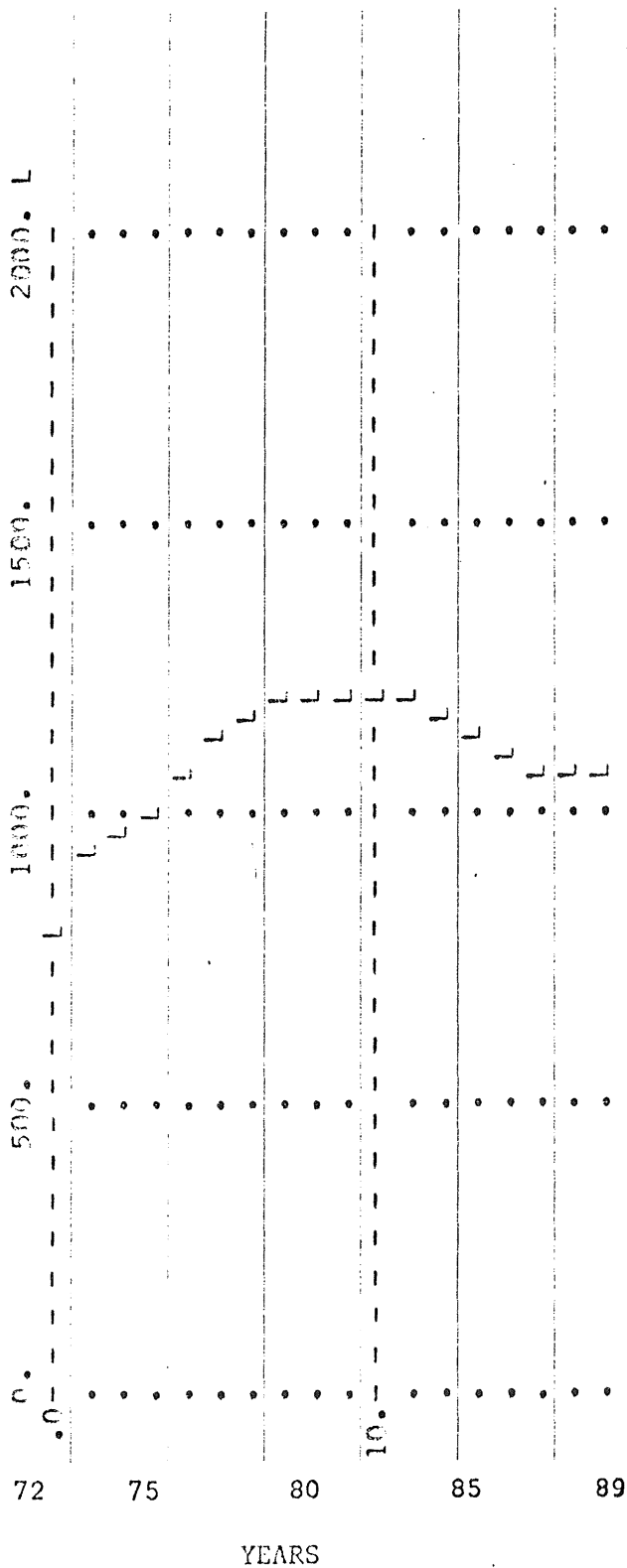
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAGE '6 PROJECTIONS BY INSTITUTION 1973-89 3/30/73 MINNEAPOLIS AVTI

LD=1



TOTAL HEADCOUNT Minneapolis AVTI

1972 813 *

1973 920

1975 1014

1980 1197

1985 1135

1989 1071

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

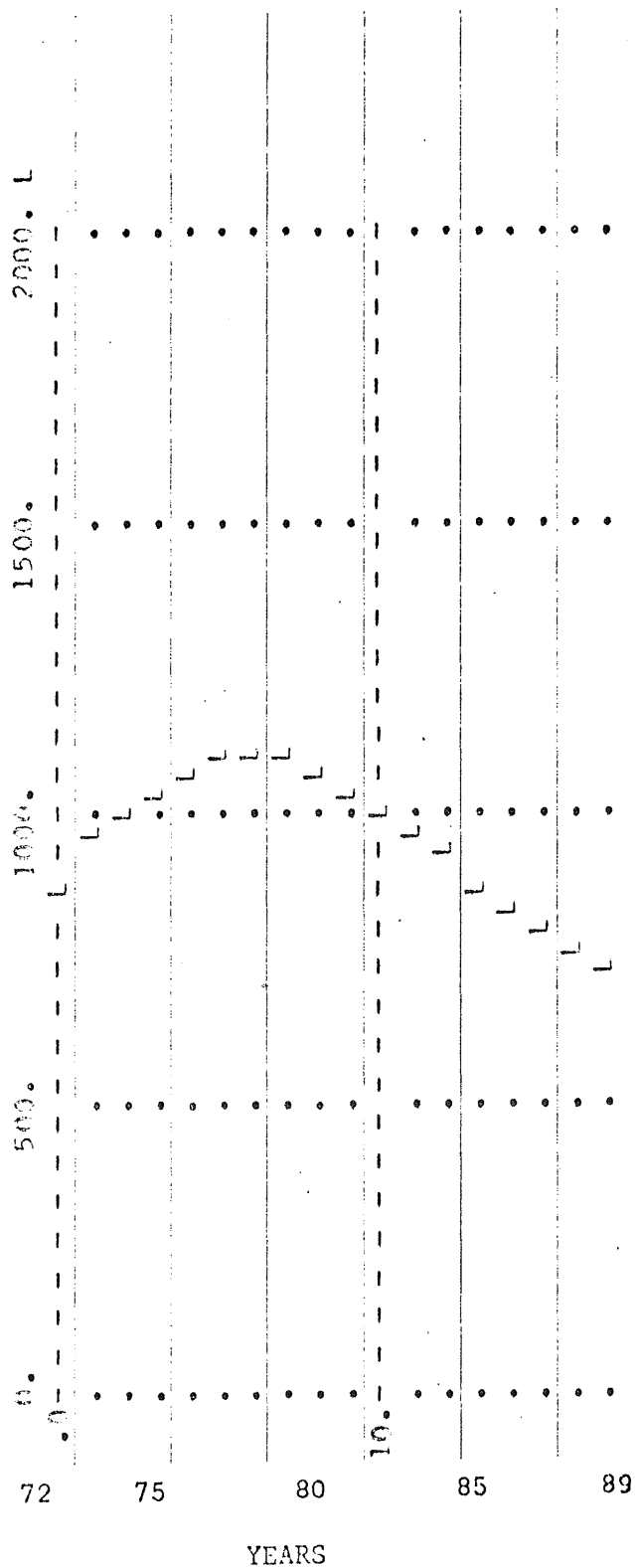
MOORHEAD AVTI

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 3

LP=L



TOTAL HEADCOUNT Moorehead AVTI

1972 876 *

1973 974

1975 1044

1980 1069

1985 875

1989 749

*Actual Enrollment

LEGEND

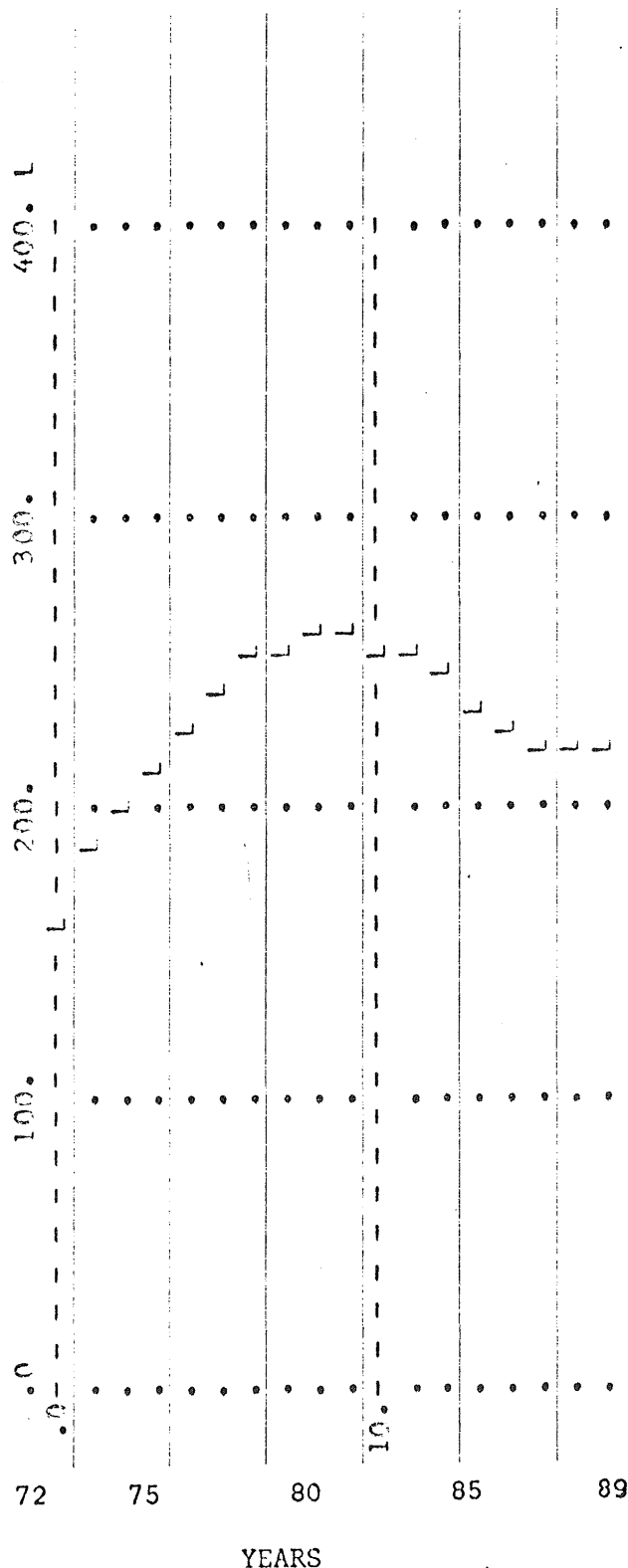
L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAGE 84 PROJECTIONS BY INSTITUTION 1973-1989 PINE CITY AVTI

3/30/73

10=L



TOTAL HEADCOUNT Pine City AVTI

1972 159 *

1973 189

1975 212

1980 257

1985 236

1989 217

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

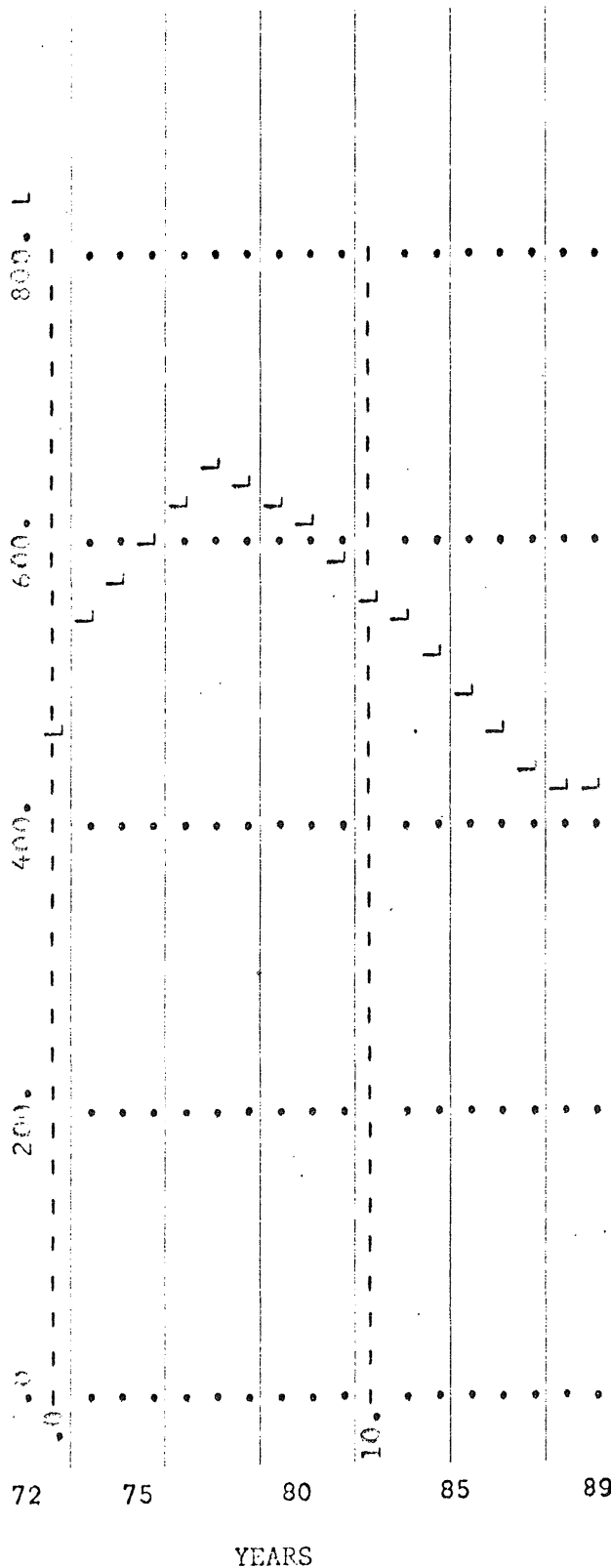
PIPESTONE AVTI

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE

LD=1



TOTAL HEADCOUNT Pipestone AVTI

1972 468 *

1973 548

1975 602

1980 610

1985 494

1989 420

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

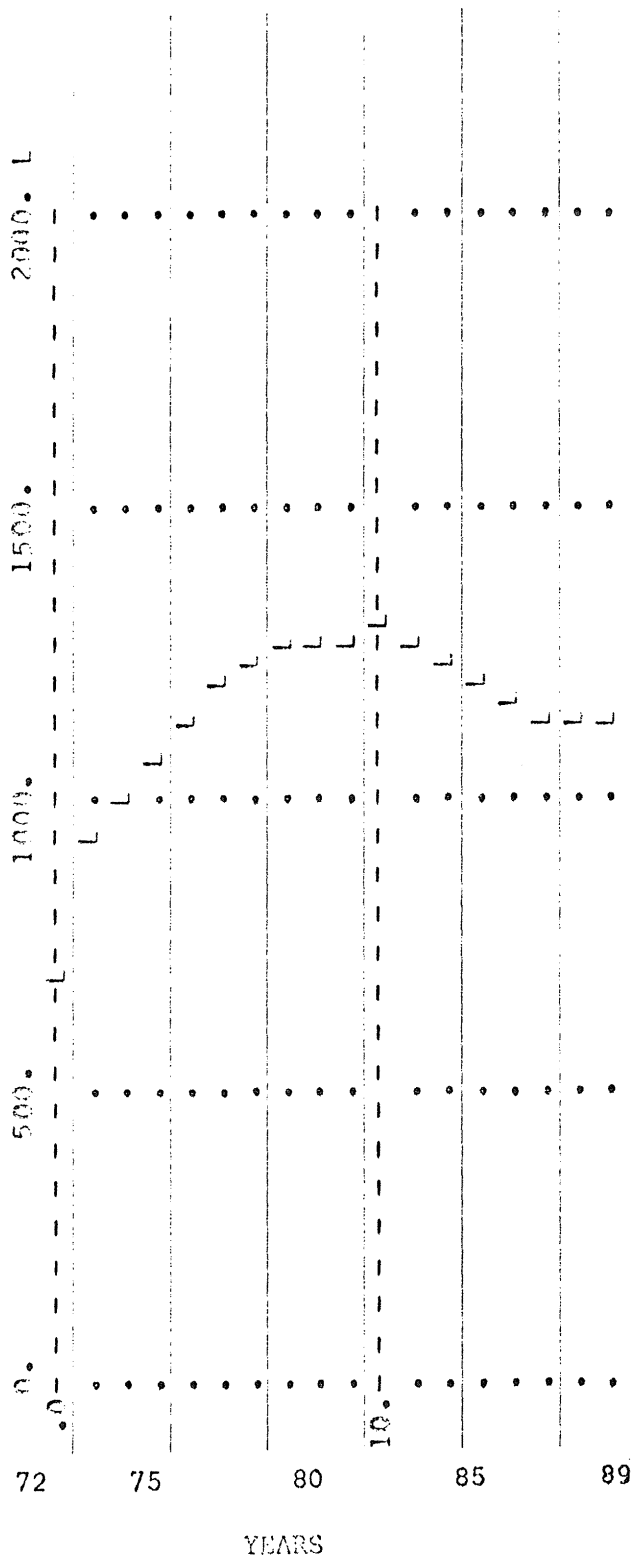
RAMSEY-WASHINGTON COUNTY

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

P 92

10=L



TOTAL HEADCOUNT Ramsey-Washington AVTI

1972 700 *

1973 916

1975 1063

1980 1266

1985 1200

1989 1133

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

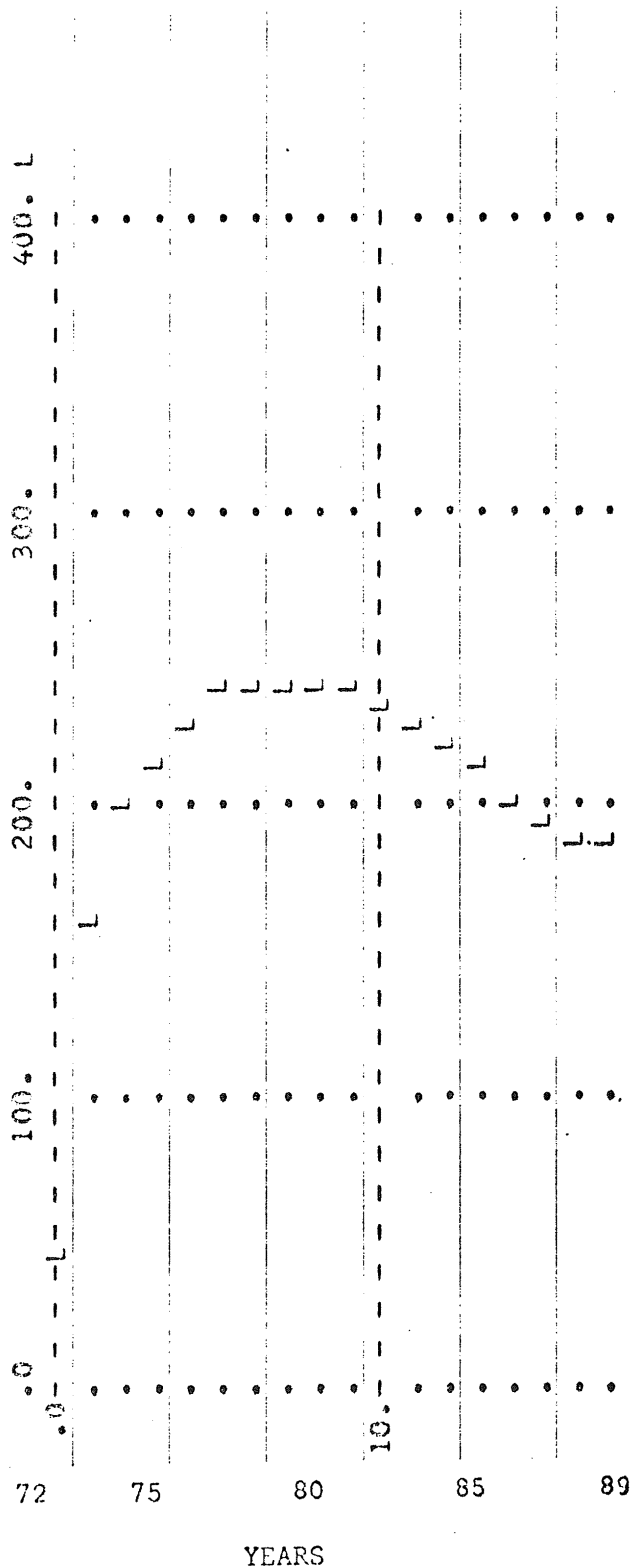
RED WING AVTI

4/09/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 96

LD=L



TOTAL HEADCOUNT Red Wing AVTI

1972 45 *

1973 157

1975 216

1980 239

1985 210

1989 189

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING PARTICIPATION RATE ESTIMATED
 TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

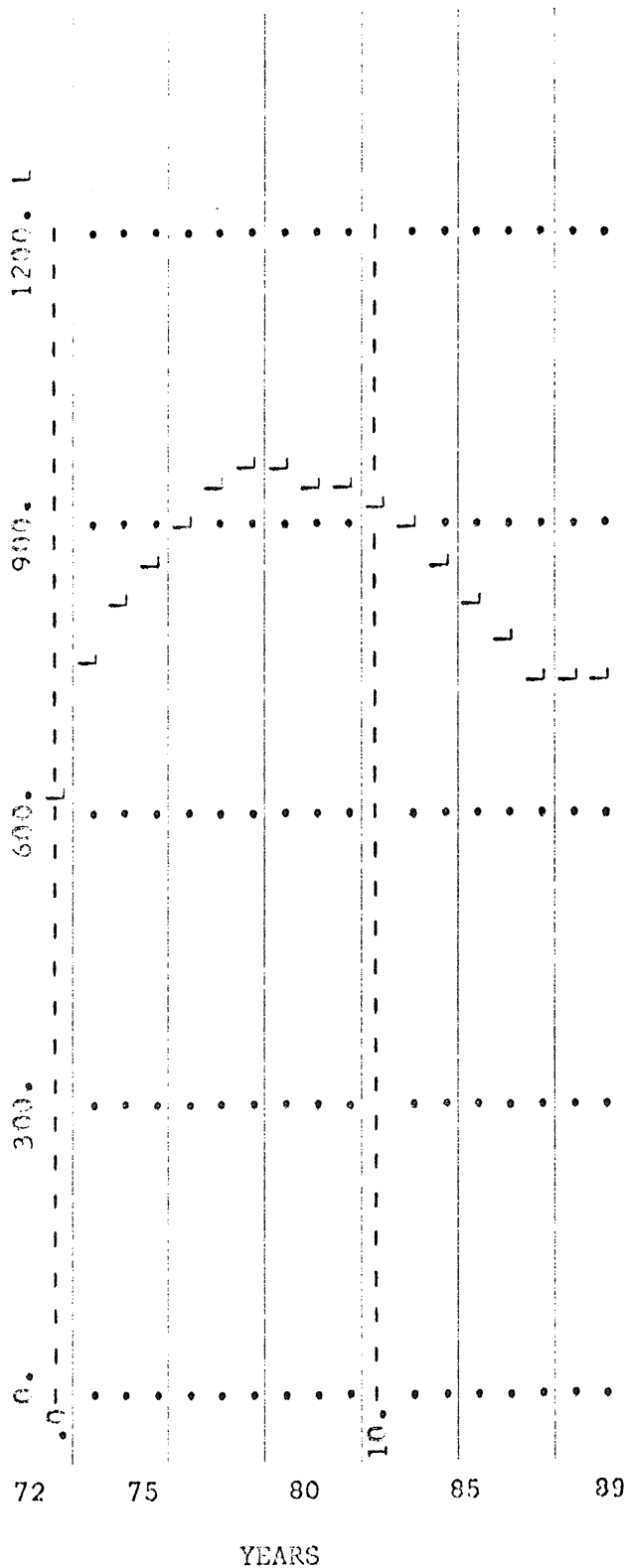
ROCHESTER AVTI

2/30/73

PROJECTIONS BY INSTITUTION 1973-1989

PAGE 100

LD=L



TOTAL HEADCOUNT Rochester AVTI

1972 615 *

1973 765

1975 863

1980 942

1985 823

1989 737

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

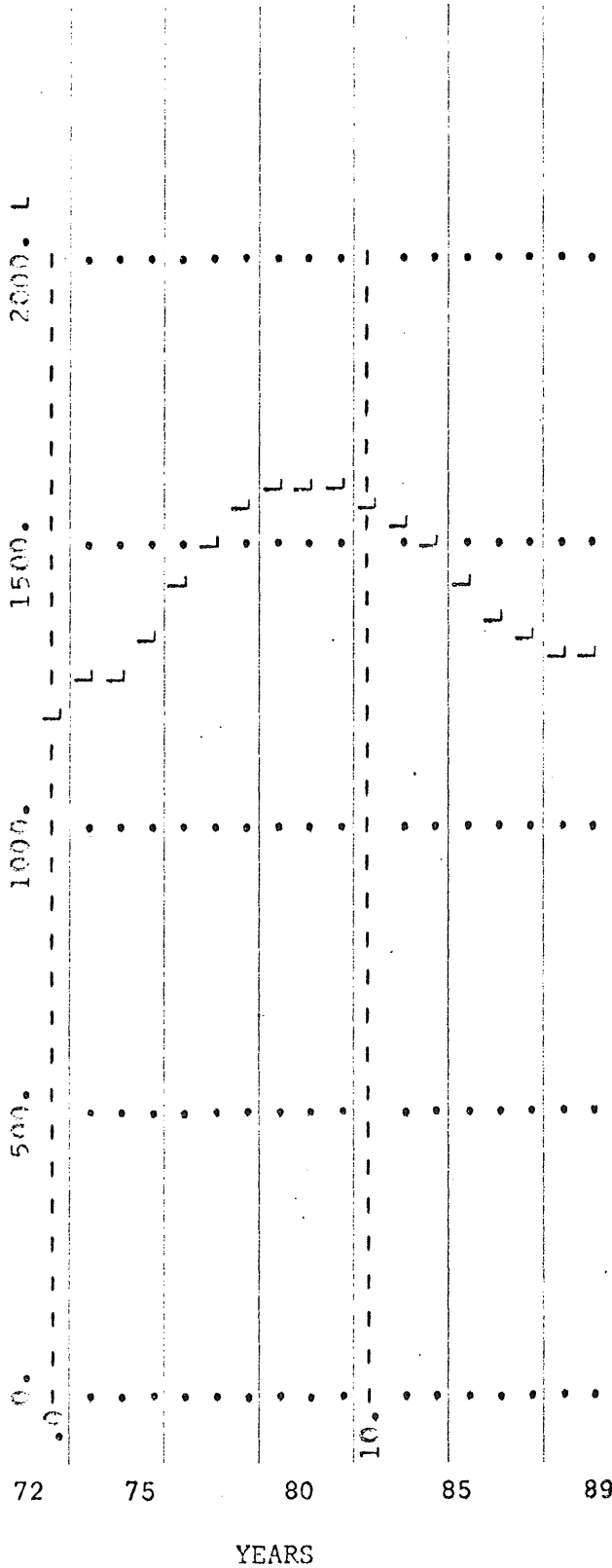
PA 104 ST. CLOUD AVTI

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

104

LD=1



TOTAL HEADCOUNT St. Cloud AVTI

1972 1186 *

1973 1255

1975 1341

1980 1589

1985 1436

1989 1304

*Actual Enrollment

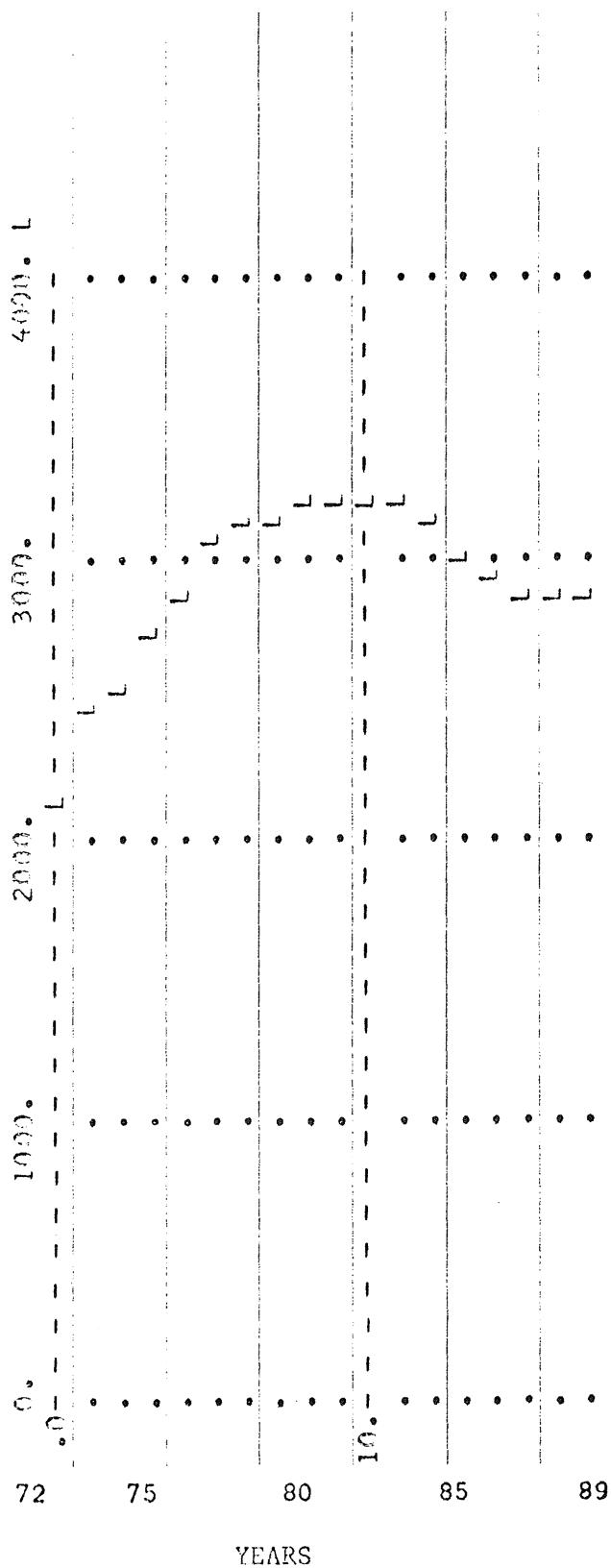
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAGE 03 PROJECTIONS BY INSTITUTION 1973-1989 ST. PAUL AVTI

LD=1



TOTAL HEADCOUNT St. Paul AVTI

1972 2150 *

1973 2454

1975 2708

1980 3189

1985 3022

1989 2852

*Actual Enrollment

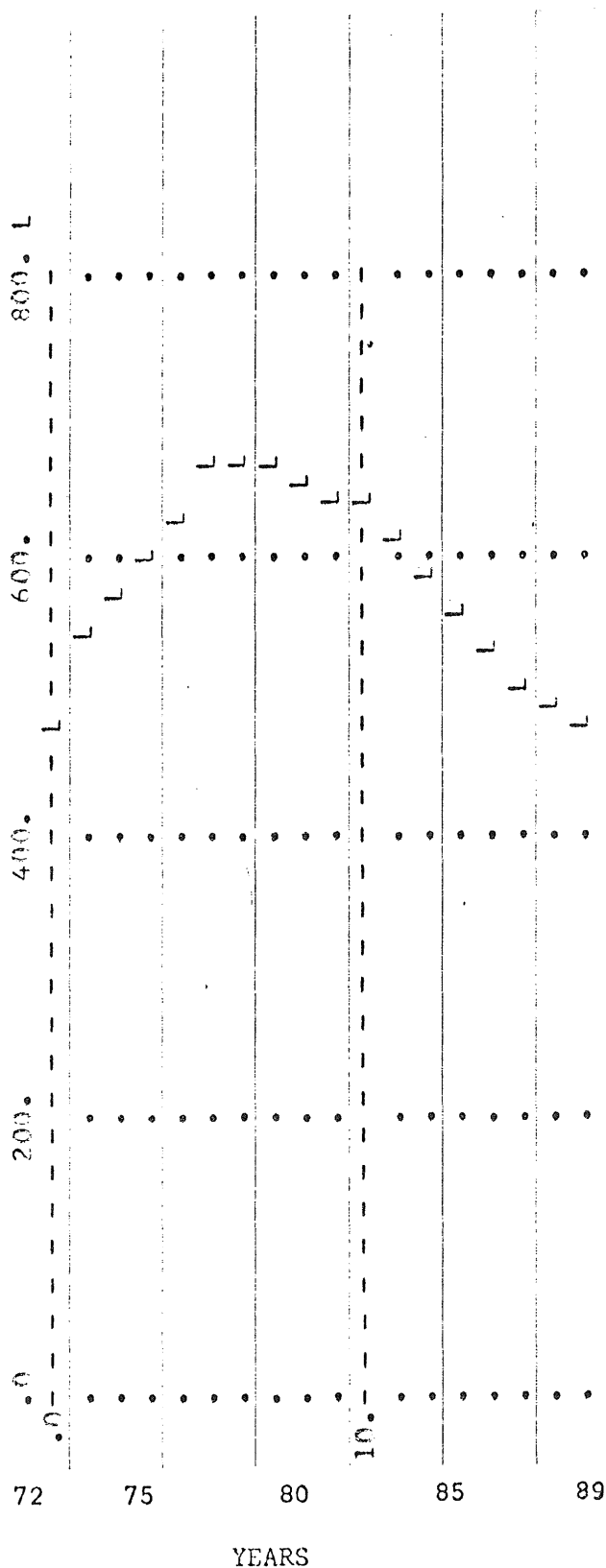
LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAGE 12 PROJECTIONS BY INSTITUTION 1973-1989 3/30/73 STAPLES AVTI

LP=L



TOTAL HEADCOUNT Staples AVTI

1972 483 *

1973 547

1975 598

1980 656

1985 557

1989 479

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PA 121 PROJECTIONS BY INSTITUTION 10-1989 THIEF RIVER FALLS AVTI

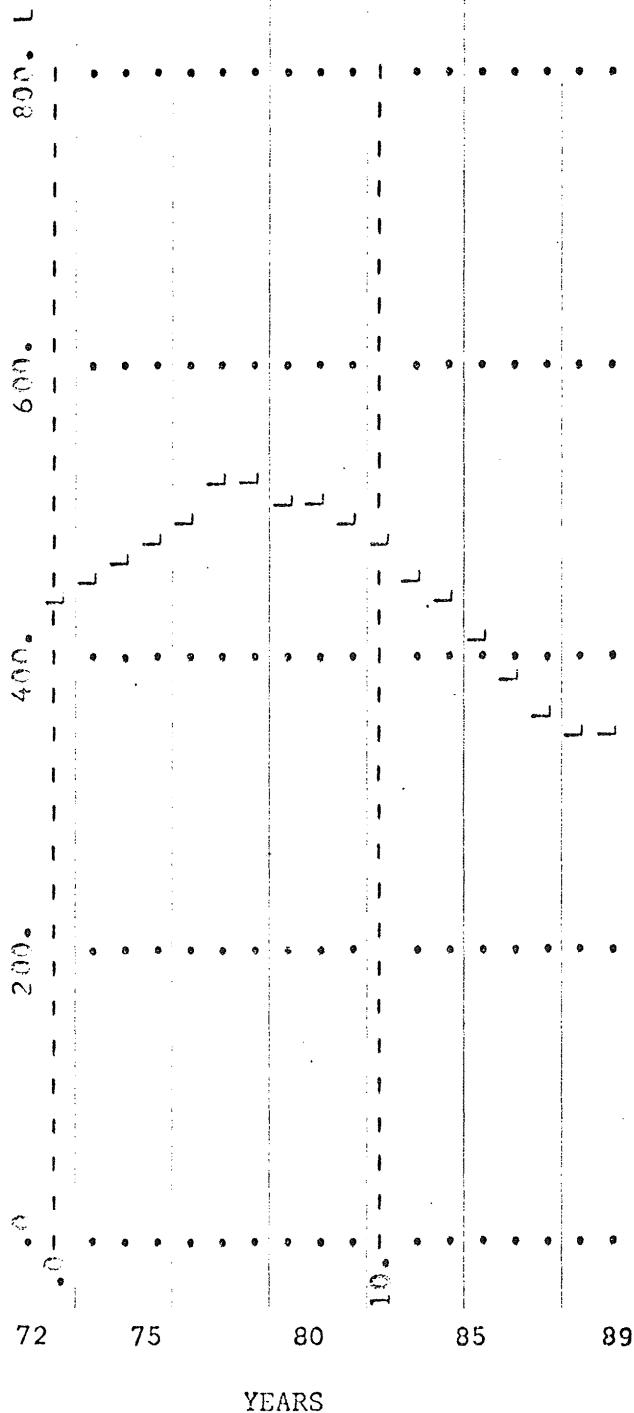
3/30/73

10-1989

PROJECTIONS BY INSTITUTION 10-1989

PA 121

10-1



TOTAL HEADCOUNT Thief River Falls AVTI

1972 445 *

1973 458

1975 478

1980 502

1985 411

1989 345

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING PARTICIPATION RATE ESTIMATED
 TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

WADENA AVTI

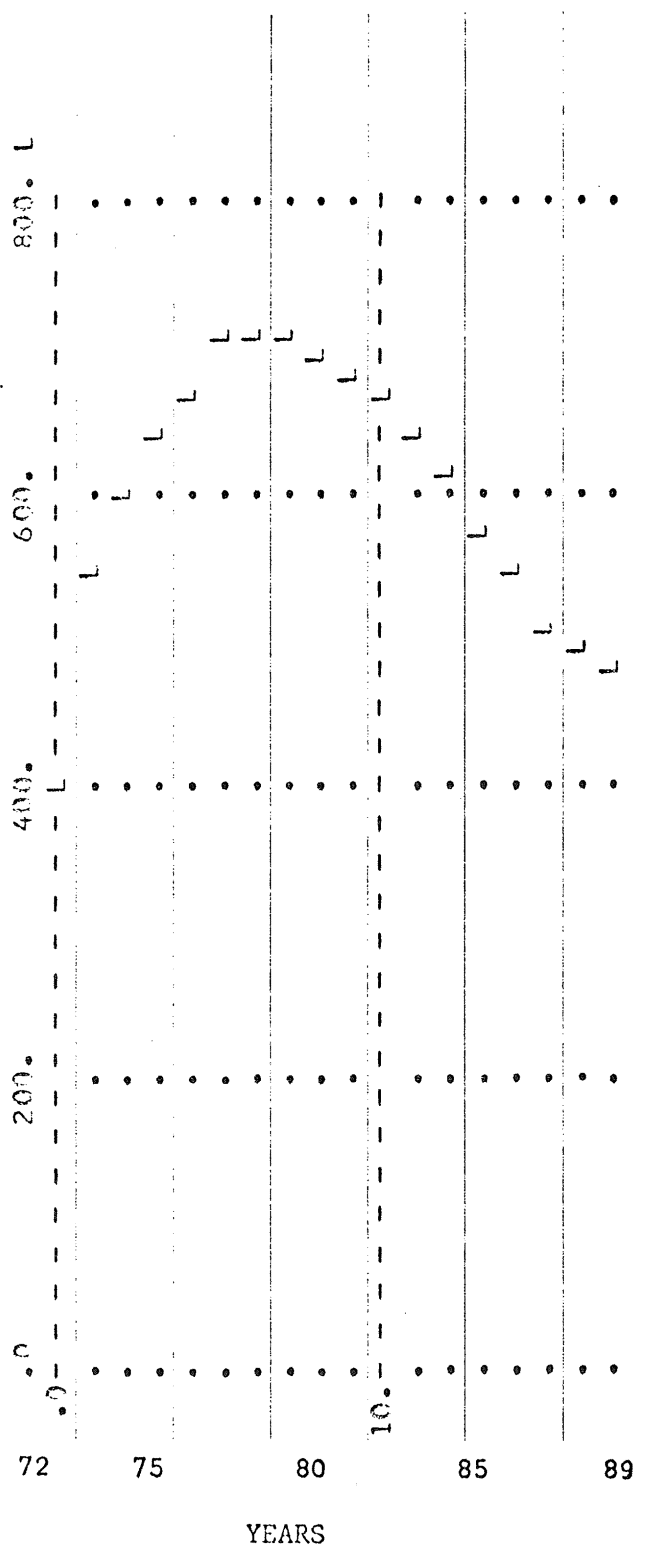
3/30/73

1972-1989

PROJECTIONS BY INSTITUTION

PAL 125

LD=1



TOTAL HEADCOUNT Wadana AVTI

1972 397 *

1973 545

1975 636

1980 691

1985 575

1989 486

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

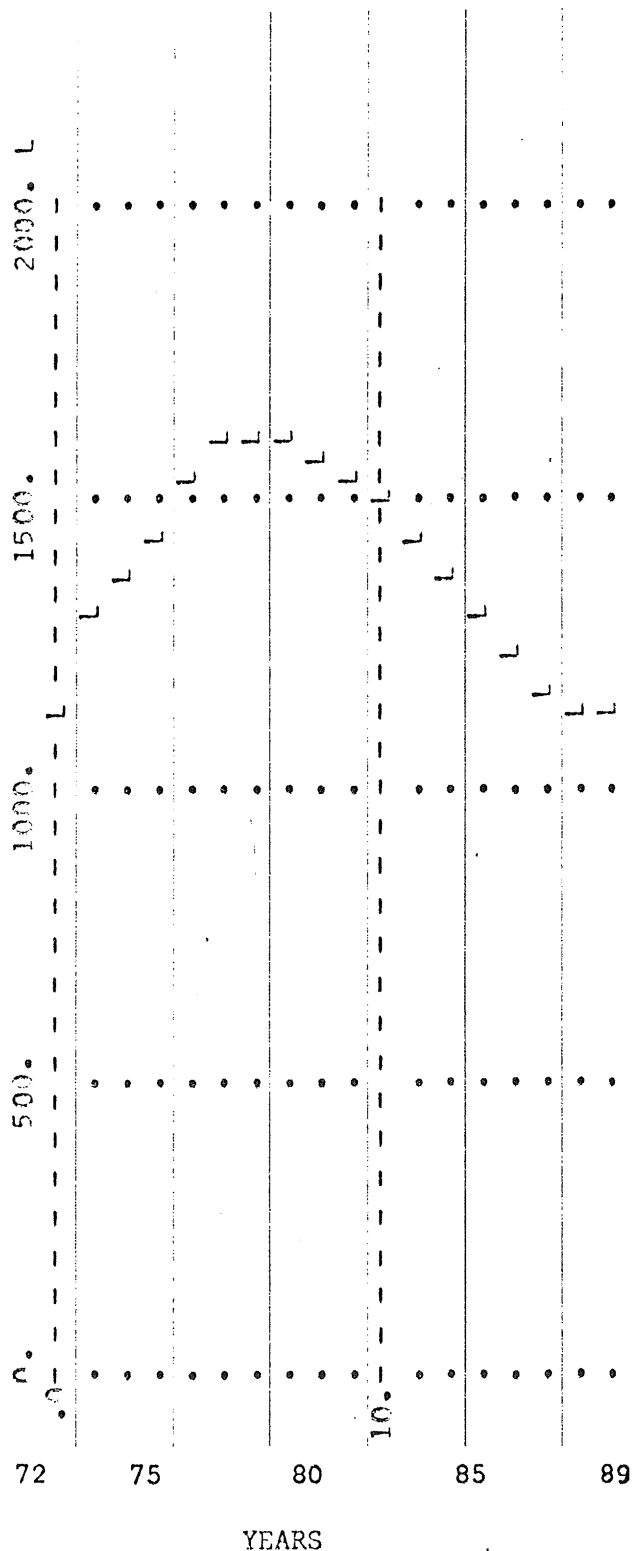
PAC 129

PROJECTIONS BY INSTITUTION 1973-1989

3/30/73

WILLMAR AVTI

LP=L



TOTAL HEADCOUNT Willmar AVTI

1972 1146 *

1973 1312

1975 1441

1980 1555

1985 1308

1989 1126

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
USING PARTICIPATION RATE ESTIMATED
TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

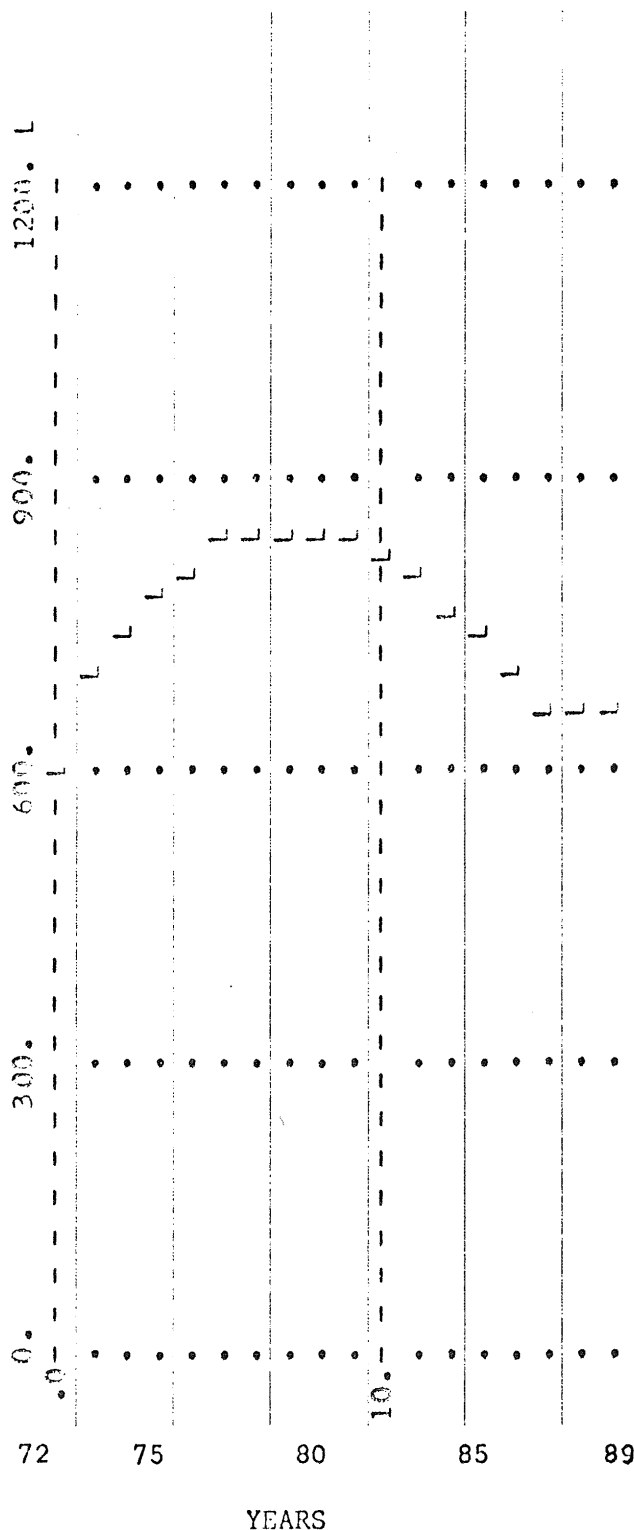
WINONA AVTI

3/30/73

PROJECTIONS BY INSTITUTION 1973-1989

PA 133

LP=L



TOTAL HEADCOUNT Winona AVTI

1972 596 *

1973 698

1975 770

1980 838

1985 734

1989 658

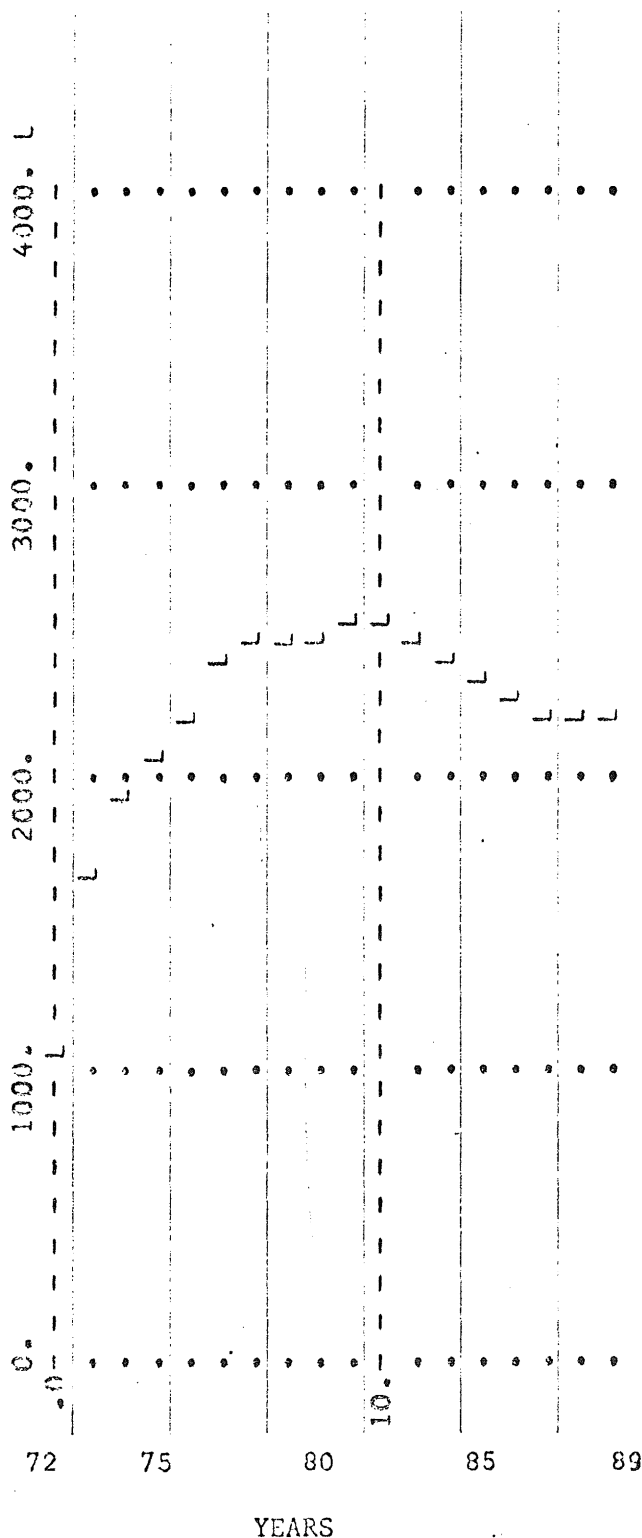
*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTED ENROLLMENTS 1973-1989
 USING PARTICIPATION RATE ESTIMATED
 TO ACHIEVE 30,100 HEADCOUNT ENROLLMENT BY 1976

PAGE 116 PROJECTIONS BY INSTITUTION 1973-1989 4/C9/73 SUBURBAN HENNEPIN COUNTY AVTI



TOTAL HEADCOUNT Suburban Hennepin AVTI

1972	1059	*
1973	1694	
1975	2082	
1980	2490	
1985	2356	
1989	2221	

*Actual Enrollment

LEGEND

L = Total Headcount

PROJECTING INSTITUTIONAL
ENROLLMENTS, 1973-1989

APPENDIX B

SYSTEM COMMENTS ON PRELIMINARY DRAFT OF
"PROJECTING INSTITUTIONAL ENROLLMENTS, 1973-1989"

Prepared by Staff

MINNESOTA HIGHER EDUCATION COORDINATING COMMISSION

APRIL 1973

MAR 22 1973



UNIVERSITY OF MINNESOTA

Associate Vice President for Coordinate Campuses
Morrill Hall
Minneapolis, Minnesota 55455
(612) 373-4534 or 373-4911

March 22, 1973

Mr. Richard Hawk
Executive Director
Minnesota Higher Education Coordinating
Commission
Suite 400, Capitol Square Building
550 Cedar Street
St. Paul, Minnesota 55101

Dear Mr. Hawk:

As you requested, I am responding on behalf of the University of Minnesota to the alternative sets of enrollment projections for our system and our campuses.

First let me make some general observations. We are strongly supportive of your efforts to project enrollments for public and private post-secondary institutions. We hope you will continue to develop the data base required for such projections, with refinement and improvement of the models used to project enrollments, and with provision for annual updating on the basis of most recent changes in experience.

We believe that there is great need to understand the causal variables determining changes in entrance rates for each of the four projections. This is critical so that we are better able to select the most likely entrance rate or suggest an alternative. Such understanding would also allow us (and other institutions) to consider ways of intervening in existing or projected entrance behavior in ways congruent with state or institutional policy. Our technical staff stands ready to assist in this endeavor and we pledge our support to its accomplishment.

We believe that the techniques used in the current set of projections may be relatively useful for those campuses and systems which offer essentially "standard" types of programs. The further a system or campus deviates from a "standard" undergraduate model and moves into the complicated arena of unique, specialized undergraduate, graduate, technical and professional programs, the less likely the validity of the projections. This is further compounded by the factor of program and collegiate enrollment limitations.

We believe the method is basically invalid for any program with enrollment limitations and for any new programs (such as Waseca and Crookston) for which there is little experience from which to choose the correct participation assumption.

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Mr. Hawk

March 22, 1973

The assumption in the current HECC study is that the University as a system is a relatively uniform enterprise, much like the rest of the higher education systems in the state. Some segments are certainly analogous to those in other systems and institutions, but the dissimilarities greatly outweigh the similarities. The University system is not a monolithic enterprise in which the future can be predicted in gross terms from past experience. Each college, each campus, most programs in our system differ from each other and should be separately predicted, probably as a second-level kind of disaggregation.

In brief, the experience of the past can be analyzed, but estimates of the future must reflect synthesis derived from sets of differing assumptions for vastly divergent enterprises.

The method used in the HECC enrollments projections, then, would very likely predict enrollments of traditional (ages 18-23) students in "standard" undergraduate programs with considerable accuracy--if one chose the correct participation rate assumption.

Accordingly, we believe that the model may correctly predict enrollments for lower division and upper division students in "standard" programs in CLA, GC, Duluth and Morris. We doubt the validity of most other aspects of the projections, mainly because we feel that these cannot be dealt with as gross estimates.

For example, the projections for the professional programs on the Twin Cities campus are effectively hidden in the "Graduate" category in the graphs. A return to participation rates of 1968 or 1970, while it is intended in other systems to be a high assumption, has the reverse effect for most of our professional programs and may have such an effect for upper division programs if we begin to accept all Junior College graduates. The result in such cases is, in the statistical analysis, to predict a decline in some programs where we have an absolutely certain increase.

We believe that the enrollment projections for Crookston and Waseca are invalid. Waseca especially has insufficient enrollment experience from which to deduce the entrance rates needed to generate the four projections. The "optimistic" assumptions produce "pessimistic" results due to a history of participation rates opposite to the implicit assumptions result in estimates in which we have little confidence.

Some more specific comments on the projection model:

1. Attention should be addressed to interactive effects of a decision in one place on enrollments elsewhere (such as an increase in tuition at the University on enrollment at Mankato, or the apparent development of a migration of TC students to Duluth to study). The model should make specific mention of interinstitutional student migration, such as students from junior colleges transferring to the University. The projection would become quite useful if it could identify when, from where, and in what magnitude such advanced standing enrollment inputs could be expected.
2. Part-time and post-baccalaureate enrollments should be projected on some other basis than a constant ratio to undergraduate enrollments. This is critical

Page 3

Mr. Hawk

March 22, 1973

As we move increasingly to an emphasis on graduate and professional programs and attempt to de-emphasize lower-division offerings.

3. Effort should be made to provide enrollment projections on an FTE basis as well as headcount.

Given all of the qualifications and demurrers I have cited, and obviously given the need for further study of the assumptions about participation rates, we believe that the following reflect our current thinking:

1. Projection 000002 is most probable for the Twin Cities Campus. Depending on migration factors (such as those cited by the Mortenson, Borchert, Alanen data) there is some probability that Projection 000003 may occur. It seems likely that these two projections are the parameters within which we need further study.

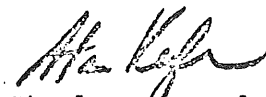
2. Projection 000005 seems at the moment the most valid for Duluth. However, the experience of the last two years, if continued or accelerated, could yield enrollments more likely reflected in Projection 000007.

3. Projection 000009 may also be most valid for Morris at the moment. Much here is dependant on policy decisions made at the state or system level. Projection 000011 seems the other parameter within which we will be working.

4. The enrollment estimates for Crookston and Waseca, we believe, have not been dealt with adequately by this model. We will be willing to work with your staff to accomplish a consensus for these types of institutions in our system.

These comments are made hurriedly after a quick analysis. We will be in further contact as we have had a chance to analyze your data further.

Sincerely,



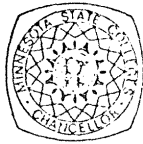
Stanley B. Kegler
Professor

SBK:glf

c. Coordinate Campus Provosts
Senior Officers Group

minnesota
state college
system

office of the chancellor



PHONE 612/296-2844

407 CAPITOL SQUARE BUILDING / 550 CEDAR STREET, ST. PAUL, MINNESOTA 55101

-B-5-

MAR 30 1973

March 30, 1973

Mr. Richard C. Hawk
Executive Director
Higher Education Coordinating Commission
400 Capitol Square Building
St. Paul, Minnesota 55101

Dear Mr. Hawk:

Before commenting on the recently released Coordinating Commission alternative enrollment projections for the State College System, we wish to once again indicate our sincere endorsement of HECC responsibility for such projections for all systems of post-secondary education. Clearly, only the Commission is in a position to objectively evaluate (and reconcile if necessary) divergent institutional data, interpretations and aspirations.

It is our opinion that no one system can assume that one of the four enrollment alternatives outlined will apply to it alone. In other words, if the overall participation rate remains at approximately 1972 levels, it is only logical that all systems cannot assume an increase in their individual participation rates - if some are to increase, others must necessarily decrease. Informal discussions with members of your staff indicated general agreement with this viewpoint and it was our impression that the HECC would move to assure that all systems would proceed from a common set of basic assumptions in evaluating the enrollment alternatives.

Until such time as the above consensus is reached, we offer the following observations:

1. The short-term extension of current participation rates yields conservative, acceptable figures. For 1973-74, the two middle alternatives project a systemwide total for the state colleges which is .7% higher than the total included in our biennial budget request.

Mr. Richard C. Hawk

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March 30, 1973

2. Within those short-term projection totals, however, it is our judgment that the estimates for St. Cloud and Moorhead are somewhat low (particularly St. Cloud's) and the estimate for Southwest is somewhat high.
3. We are of the opinion that none of the long-term estimates outlined are necessarily valid. They are based on the extension of historical data and its application to known population "pools" - a method we have utilized in the past with less than satisfactory results. The question which is most revealing in this regard is:

"would the estimating model have projected the 1971-73 enrollment declines if it had been provided the data available in the 1960's?"

It is our opinion that the model could not have predicted a change in its base parameters - the participation rates of various systems. Moreover, the most conservative of the four alternatives do not address themselves to such factors as:

- a. changes in the national and state economies.
- b. changes in individual system tuition rates and the relative impact of those changes.
- c. changes in financial aid availability and the increased impact of state scholarships and grants-in-aid.
- d. changes in inter-system migration patterns.
- e. changes in the conditions surrounding relatively new institutions such as Southwest Minnesota State College.
- f. changes in the nature of individual institutions through the expansion of selected programs and the addition/deletion of others.
- g. changes in the relationship of FTE's and headcount which appear to be rapidly diverging at selected institutions.

These observations and caveats are raised only to suggest that we see no convincing evidence that a combination of the above changes may not substantially alter the participation rates for individual systems.

Mr. Richard C. Hawk

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March 30, 1973

In fact, the state colleges are actively pursuing some of the changes in question to provide greater service to their regions. With these changes it is our hope that the long-term future of the state colleges will be brighter than suggested by any of the four alternatives.

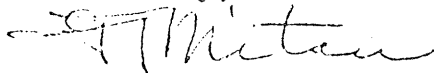
Obviously, however, each system has aspirations and hopes which lend themselves to suggesting improved enrollment trends. Again, it is clear that the HECC will have to decide the most probable future.

As the Commission and its staff consider this question, it is our hope that the final results will provide a figure for each college for each year rather than a "range". While we recognize the hazardous nature of such projections, we cannot make adequate use of "ranges" for such areas as facilities planning. For example, if we are to respond to the directive issued by Commissioner Brubacher on January 31, we are confronted with a range of $\pm 27\%$ for 1985-86 in the current Commission alternatives. A range of that nature prohibits serious use of enrollments as a criteria for facilities planning.

As the Commission develops its final estimates, the State College System will be pleased to provide any additional data which may be desired or necessary. Please do not hesitate to call upon us for any assistance we may be able to render.

As always, your cooperation in this matter is warmly appreciated.

Sincerely,



G. Theodore Mitau
Chancellor

GTM:VV:skm

cc: Representative Delbert Anderson
Representative Howard Smith
Representative Fred Norton
Senator Jack Davies
Senator Edward Novak
Senator William Kirchner
Commissioner Richard Brubacher

APR - 3 1973



MINNESOTA STATE JUNIOR COLLEGE BOARD

CAPITOL SQUARE BUILDING
550 CEDAR STREET
ST. PAUL, MINNESOTA 55101

April 2, 1973

Dr. Richard C. Hawk, Executive Director
Higher Education Coordinating Commission
Capitol Square Building
St. Paul, Minnesota 55101

Dear Dr. Hawk:

This letter is intended to summarize the conversations which Dr. Helland and I have had with members of your staff.

In general, we agree with the necessity of this task being undertaken, and with the fact that your department has assumed the initiative to obtain this information on a uniform, statewide basis. However, we also have some concerns:

1. We feel that for our purposes F.T.E. would be much more meaningful than Head Count. Our planning for staff, facilities, and all other need is done on this basis.
2. Our ratio of F.T.E. to headcount may change from year to year. Therefore, even the assumption of an initial relationship will not allow for accurate planning if continued on a head count basis.
3. Our enrollment patterns may change significantly as our colleges begin to concentrate more on other groups of persons in the community. With such changing patterns there will be a change in the relationship between total enrollment and the number of high school graduates.
4. A changing program that appeals to a wider range of high school graduates will also affect total enrollment. As part of their mission our colleges are to continue trying to broaden programs in this manner.

Because of these concerns, and the need for accurate and helpful information, we hope you will continually strive to keep your projections current, and to use a basis appropriate for meaningful planning.

Sincerely,

Banning Hanscom

Banning Hanscom
Asst. to the Chancellor for
Student Services

BH:dls

STATE OF MINNESOTA

DEPARTMENT EducationOffice Memorandum MAR 22 1973

TO : Richard C. Hawk, Executive Director
Higher Education Coordinating Commission

DATE: March 21, 1973

FROM : Robert P. Van Tries, Assistant Commissioner
Division of Vocational-Technical Education

RPVT
Remm

SUBJECT: Enrollment Projections

After review of the enrollment projections for the area vocational-technical institutes, three major factors seem to be influencing the results and causing a depression in the projections.

1. The model utilized a 75 percent freshman rate for the area vocational-technical institutes. This was based on the fact that in 1972-73 we did have a 75 percent rate; however, the freshman rate has historically been less than 65 percent. The increase during the past year was due to the opening of new institutes. It is our anticipation that the percentage of freshmen will stabilize at approximately 65 percent in the future.
2. The ratio of students over age 21 has not been accounted for, nor has the number of non-high school graduates. The area vocational-technical institutes have experienced an increase in enrollees over the age of 21 during the past five years. In the two-year period 1966-68, the area vocational-technical institutes had 7.4 percent of its enrollees over 21. Thus, we have experienced an increase of over 4 percent per year of students over age 21. We believe that we have a considerably greater proportion of students over age 21 than do any of the other systems. This past year one-fourth of our entering students were 21 years of age or over.
3. The model utilized for projections did not take into account the fact that the institutes were unable to serve all the students who applied. The projections were based upon enrollments, assuming that all individuals wishing attendance were served. In 1972-73 the area vocational-technical institutes had 46,017 applications, of which 16,602 were admitted between July 1, 1972, and March 1, 1973. Of the 30,000 unserved applicants, we readily admit that some students apply at more than one institute because of the competition for space.

These concerns, as well as specific data in regard to each institute, have been transmitted to the Commission office by Mel Johnson of my staff. The projections by individual institute are of considerable concern to us in that no consideration was taken in regard to the capacity of the institute or its future building plans. If we can provide further detailed information in this regard, please contact Mr. Johnson's office.

RPVT/MEJ:1m

cc: Commission Members