NATIONAL CENTER FOR EDUCATION STATISTICS

USER'S MANUAL MAY 1992

1988-89 TEACHER FOLLOWUP SURVEY

DATA FILE USER'S MANUAL

SASS

U.S. Department of Education
Office of Educational Research and Improvement
NCES 92-058

1
Page 2

1

NATIONAL CENTER FOR EDUCATION STATISTICS

USER'S MANUAL MAY 1992

1988-89 TEACHER FOLLOWUP SURVEY

DATA FILE USER'S MANUAL

SASS

Elizabeth Faupel
Sharon Bobbitt

Kathryn Friedrichs

U.S. Department of Education
Office of Educational Research and Improvement
NCES 92-058

1
Page 4

1

U.S. DEPARTMENT OF EDUCATION
Lamar Alexander
Secretary

OFFICE OF EDUCATIONAL RESEARCH AND IMPROVEMENT
Diane Ravitch
Assistant Secretary

NATIONAL CENTER FOR EDUCATION STATISTICS
Emerson J. Elliott
Acting Commissioner

NATIONAL CENTER FOR EDUCATION STATISTICS

"The purpose of the Center shall be to collect, and analyze, and disseminate statistics and other data related to education in the United States and in other nations."--Section 406(b) of the General Education Provisions Act, as amended (20 U.S.C. 1221e-1).

May 1992

Contact:
Sharon Bobbitt
(202) 219-1461

1
Page 6

1

TABLE OF CONTENTS

	PAGE
1. Purpose of the Survey	9
2. Time Frame of the Survey	10
3. Data Collection Procedures	10
4. Survey Response Rates	11
5. Item Response Rates	12
6. Periodicity of Survey	12
7. Target Populations	12
8. Definitions	12
9. Edit Procedures	14
10. File Sort Order	14

11. File Linkage 14

12. TFS Sample Design 15

13. Sampling Frames 15

14. SASS School and Teacher Sample Allocation 16

15. TFS Sample Allocation 18

16. SASS School and Teacher Sample Selection Procedures 21

17. TFS Sample Selection Procedures 23

18. SASS Teacher Weights 23

19. TFS Teacher Weights 23

20. Variance Estimation 24

21. Confidentiality Protection Measures 26

APPENDICES

1989 Teacher Follow-up Survey

1
Page 8

Appendix A: Industry Codes (1980) & Occupation Codes
Appendix B: Frequencies for TSC 040, 044, 048, 052, 056, 060, 064, 068
Appendix C: Frequencies for TSC 041, 045, 049, 053, 057, 061, 065, 069
Appendix D: Frequencies for TSC 042, 046, 050, 054, 058, 062, 066, 070
Appendix E: Frequencies for TSC 078, 079, 081, 083, 129
Appendix F: Frequencies for TSC 166, 173, 180, 187, 194, 201, 208, 215, 222
Appendix G: Frequencies for TSC 171, 178, 185, 192, 199, 206, 213, 220, 227
Appendix H: Frequencies for TSC 172, 179, 186, 193, 200, 207,

214, 221, 228

1

Page 9

1. PURPOSE OF THE SURVEY

The National Center for Education Statistics (NCES) sponsored the 1988-89 Teacher Followup Survey (TFS), conducted by the U.S. Bureau of the Census, to update data on teacher career patterns and plans. This survey is a followup of the 1987-88 Schools and Staffing Survey (SASS) teacher sample. Data from previous surveys have been used by Congress, state education departments, federal agencies, private school associations, teacher associations, and educational organizations.

The Teacher Followup Survey is the fifth component of the SASS and was conducted 1 year after the base-year data collection. The other four components of SASS are the Teacher Demand and Shortage Survey, School Administrator Survey, School Survey, and Teacher Survey. The 1987-88 SASS teacher sample is a nationally representative sample of public and private school teachers in the United States and is state representative in the public sector. The Teacher Followup Survey "is a subsample of teachers in the profession during school year 1987-88. The subsample has two parts, "leavers" and "stayers." The Teacher Followup Survey is a followup of the teachers in the 1987-88 SASS teacher sample who left the teaching profession between school years 1987-88 and 1988-89 (leavers) and a subsample of those who remained in the teaching profession (stayers).

The major objectives of the Teacher Followup Survey are to:

- Determine the attrition rate for teachers, that is, the percentage of teachers who left the teaching profession between school years 1987-88 and 1988-89;

- Determine the characteristics of those who stay in the teaching profession and those who leave;

- Obtain major activity or occupation data for those who leave the teaching profession and career patterns for those who remain in the profession;

- Obtain data on educational activities and future plans; and

- Obtain data on attitudes about the teaching profession and job satisfaction.

Survey data collected in the 1987-88 Schools and Staffing Survey are included as classifying variables for analysis of the Teacher Followup Survey data. In addition to data related to stayers and

leavers, data related to "movers" will also be analyzed. Movers are those teachers who have remained in the teaching profession but have moved to different schools.

1
Page 10

One of the major objectives of the Schools and Staffing Surveys is to collect national data (and state data in the public sector) for estimating teacher turnover and for understanding attrition patterns. The Teacher Followup Survey is designed to be used in conjunction with the other Schools and Staffing Surveys to model the attrition behavior of public and private school teachers.

2. TIME FRAME OF THE SURVEY

The 1988-89 Teacher Followup Survey took place during the 1988-89 school year. Advance letters were sent to school districts in the sample and to state level administrators in October 1988. School principals who provided teacher listings as part of the 1988 Schools and Staffing Survey were mailed a teacher status form (TFS-1) requesting the current occupational status of teachers originally selected for the SASS teacher sample. This phase was conducted between October 1988 and January 1989. A sample of teachers (leavers and stayers) was selected in January 1989. The two mailouts of the survey questionnaires occurred during March-April 1989. Telephone followup of nonrespondents took place during May-July 1989. The reference period for most items on the questionnaire was the 1988-89 school year.

3. DATA COLLECTION PROCEDURES

The Census Bureau was the data collection agency for the Teacher Followup Survey. The survey was conducted in two phases. The first phase consisted of contacting schools to determine the present occupational status of teachers who were selected for the teacher sample in the 1987-88 SASS. In late October, the Census Bureau mailed the teacher status forms (TFS-1) to the 11,584 schools selected in the 1987-88 SASS (8,733 public and 2,851 private) to represent the universe of schools in the nation. The school principal or head was asked to complete the form, indicating whether the teacher was still at the school in a teaching or nonteaching capacity, or had left the

school to teach elsewhere or for a non-teaching occupation. After completing the form, they were instructed to mail the form to the census regional office. The regional offices' job was to check and control the flow of the teacher status forms. The next step was to contact nonrespondent schools, by telephone, to obtain the teacher occupational status information requested on the form. If the principal indicated that a sample teacher had moved (this would pertain particularly to teachers who had left the area), the Census Bureau tried to obtain all address correction information for a sample teacher's home address through the post office.

Phase II of the Teacher Followup Survey commenced in March 1989. The first questionnaire, the TFS-2 (questionnaire for former teachers), was sent to 2,987 sample persons who were reported by school

1

administrators as having left the teaching profession. The second questionnaire, the TFS-3 (questionnaire for current teachers), was sent to 4,185 sample persons who were reported as still teaching at the elementary or secondary level. Both questionnaires were mailed to teachers at their home addresses. The respondents were requested to complete the questionnaire and return it to the Census Bureau.

For teachers who did not return a questionnaire within 4 to 5 weeks, the Census Bureau conducted a second mailout. Some respondents may have returned a questionnaire because their status was incorrectly reported by their school administrators. In this case, the Census Bureau sent the correct questionnaire to the respondents during the second mailout. For teachers who did not respond to the second mailout, the Census Bureau compiled a list, by region, of these nonrespondent teachers and sent each list to the appropriate regional office.

The telephone followup of all nonrespondents to the second mailout began in May 1989. In addition to these nonresponse followup cases, some "nonmailable" cases (cases with incomplete addresses) were assigned for telephone followup. If the office was unable to contact the sample teacher through a contact person (two contact persons had been listed by the sample teacher on the SASS form as knowing how or where to get in touch with him or her) or directory assistance, the school was called to obtain information about the sample teacher.

Questionnaire TFS-4, telephone questionnaire for the Teacher Followup Survey, is a combination of the TFS-2 and the TFS-3 questionnaires. This questionnaire was designed for the field representative to use when conducting a telephone interview. The TFS-4 was not mailed to the respondent.

Field followup of nonrespondents closed out on July 7, 1989.

4. SURVEY RESPONSE RATES

The following table summarizes the overall weighted response rates for the Teacher Followup Survey.

	Percent		
	Total	Public	Private
Total	97.2	97.3	96.0
Former teachers	93.5	93.6	93.1
Current teachers	97.4	97.5	96.6

5. Item Response Rates

The following table is a brief summary of the weighted item response rates for items from the questionnaires of the Teacher Followup Survey.

	Range of item response rates	Percentage items with a response rate of 90% or more	Percentage items with a response rate less than 80%	Items with a response rate less than 80%
Former teachers	27-100	61	1	31b
Current teachers	65-100	90	5	6b(2),

12,13e,
31b

Items with low response rates (< 70 percent) should be analyzed with extreme caution. For former teachers, item 31b (number of dependents other than spouse or children) had a response rate of 27 percent. For current teachers, item 12 (religious affiliation of the school to which movers who moved to a private school moved) had a response rate of 65 percent. All other items on both forms had response rates above 70 percent. There are a number of imputation techniques for item nonresponse in sample surveys. /1 The Teacher Followup Survey, however, was not imputed for item nonresponse.

6. PERIODICITY OF SURVEY

The Teacher Followup Survey will be conducted again in 1992 for a subsample of teachers selected for the 1991 SASS. Each biennial administration of the SASS will be followed 1 year later by the TFS. Plans are being developed for a longitudinal study of a subsample of teachers in a future SASS, where interviews of the same teachers will be conducted every 2 years.

7. TARGET POPULATIONS

The target population for the TFS is teachers in the United States during the 1987-88 school year. This population has two components in 1988-89, current and former teachers.

8. DEFINITIONS

TEACHER FOLLOWUP SURVEY DEFINITIONS. The following survey terms are defined as they apply to TFS.

1

Page 13

Teacher. A teacher is defined as any full-time or part-time teacher whose school reported that their primary assignment was teaching in any of grades K-12. Itinerant teachers were included, as well as long-term substitutes who were filling the role of a regular

teacher on an indefinite basis. An itinerant teacher is defined as a teacher who teaches at more than one school; for example, an art teacher who teaches at two or more elementary schools in the district.

Leavers. Teachers who left the teaching profession between school years 1987-88 and 1988-89.

Movers. Teachers who had moved to a different school between school years 1987-88 and 1988-89.

Stayers. Teachers who stayed in the same school between school years 1987-88 and 1988-89.

SCHOOLS AND STAFFING SURVEY DEFINITIONS. The following definitions apply to the 1987-88 base year Schools and Staffing Survey and are included on each respondent's record to identify the school in which he or she taught at that time.

Public school. A public school is defined as an institution which provides educational services, has one or more teachers to give instruction, is located in one or more buildings, receives public funds as primary support, and is operated by an education agency. Prison schools, schools operated by the Department of Defense and the Bureau of Indian Affairs are included.

Private school. A private school is defined as a school not in the public system that provides instruction for any of grades 1-12 where the instruction is not given exclusively in a private home. Schools which provided kindergarten instruction were included if they also had any of grades 1 through 12.

Elementary school. A school was defined as elementary for stratification of the sample if it had no grade higher than eight and at least one grade of six or below.

Secondary school. A school was defined as secondary for stratification of the sample if it had no grade less than seven.

Combined school. A school was defined as combined for stratification of the sample if it had at least one grade of six or below and at least one grade of nine or above.

Special education, vocational education, alternative schools. Schools identified as special education, vocational education, or alternative schools on the sampling frame were placed in the combined

stratum for sampling.

1
Page 14

Out-of-scope teacher. A sample teacher was considered out-of-scope if he or she was a short-term substitute, a student teacher, a nonteaching specialist (e.g., guidance counselor, librarian), a teacher's aide, or in some other professional or Support staff position. If a sample school was considered out-of-scope, all teachers from that school were also considered out-of-scope.

9. EDIT PROCEDURES

During the edit process, clerks performed a general clerical edit of the questionnaires designed to check for out-of-range responses. After completion of the clerical edit and data keying, a computer pre-edit was conducted for the Teacher Followup Survey file. The pre-edit consisted of range checks on priority items to identify survey responses that have a high probability of being in error and consistency checks between selected items.

A list of reject cases, cases that failed the pre-edit checks was generated for the file, and clerks reviewed the questionnaires to verify the data keying accuracy and attempted to resolve the reject items.

After the pre-edit reject collections were made, the TFS file passed through a computer edit. This included a range check of all items in which out-of-range items were blanked, a consistency edit that checked for completeness of reporting and consistency both within each respondent's TFS record and between the TFS and Teacher Survey record from 1987-88 SASS, and a blanking edit that blanked items that the respondent answered despite instructions to skip that item.

10. FILE SORT ORDER

Public sector records precede private sector records on each data tape. Within the public and private sector, records are sorted in ascending control number order.

11. FILE LINKAGE

Data from the 1987-88 SASS public and private school Teacher files are included on the TFS tape for the TFS sample teachers. The School and Administrator data from the SASS for the TFS sample teachers may be linked to the TFS as described below. The Teacher Demand and Shortage data from the SASS may be linked to the TFS data for the private sector, as described below, but not for the public sector.

The Private School Teacher Demand and Shortage (TDS), School, and Administrator files are linked through the variable CNTLNUM, which is

1

the respondent ID number in each case. Linkage of the Public TDS file with the Public School, Administrator, Teacher, and TFS files is not possible due to confidentiality restrictions. The Public School, Administrator, and Teacher files were released in such a way that they could be linked, as this did not result in the identification of individual schools, administrators, and teachers. These files underwent disclosure analysis, and linkage was subjected to the disclosure analysis review.

For all files except the Public TDS file, the first digit of the CNTLNUM is a survey identifier. Digits two through nine are the school number and digits ten through twelve are the teacher number. For the Public TDS file, digits one and two are the FIPS state code, digit three is a file type code, and digits four through six are the local education agency (LEA) number. Schools, administrators, and teachers may be linked by matching digits two through nine of the CNTLNUM field.

Since the data tapes contain only the survey respondents of each sample, complete linkage of all schools, administrators, and teachers will not always be possible. For example, the administrator in some schools may have responded to the School Questionnaire, but not the Administrator Questionnaire; likewise, the teachers in some schools may have responded to the Teacher Questionnaire, but their school did not respond to the School Questionnaire. In addition, 12 percent of private schools and 4 percent of public schools in the SASS sample did not send in teacher lists; consequently, there are no teacher records for these schools.

12. TFS SAMPLE DESIGN

The 1988 Schools and Staffing Survey includes a followup survey of approximately 7,200 1988 SASS teachers. As described earlier, the purpose of the Teacher Followup Survey (TFS) was to measure teacher attrition rates a year after the 1988 SASS collection. First, schools were selected. Next, teachers were selected within each sampled school. From the SASS teacher sample the TFS teachers were selected. The sections that follow will describe the 1) sampling frames, 2) SASS and TFS allocation, 3) SASS selections (schools and teachers), 4) TFS sample selection, 5) SASS and TFS teacher weighting, and 6) SASS and TFS variance estimation.

13. SAMPLING FRAMES

The school samples were selected from the Quality Education Data File (QED). Duplicate schools, as well as schools that did not meet the criteria for being in-scope for the survey were eliminated from the file before sampling. The resulting number of public schools on the QED was 80,384; the resulting number of private schools was 22,600.

1
Page 16

Additional duplicate private schools were discovered on the QED after sampling had taken place; these schools received a weighting adjustment to account for their increased probability of selection. Additional out-of-scope schools were detected after processing the sampled schools' School Questionnaires. These schools were eliminated from further processing of the school samples and do not figure into any Schools and Staffing Survey estimates of number of schools. Since the QED file has known coverage deficiencies (under coverage) for private schools, two measures were taken to improve the coverage of private schools. The first measure was to update the QED by current lists of schools from 17 non-Catholic organizations. This resulted in an additional 1,586 private schools being added to the list frame. The second measure was to include an area frame sample.

The area frame used for the area sample consisted of 2,497 primary sampling units (PSUs). Each PSU consists of a county or a group of contiguous counties. The area frame sample is contained in 75 PSUs.

These 75 PSUs were the sample PSUs for the NCES 1983-84 and 1985-86 Private School Surveys. Originally, 100 PSUs were selected for the 1983-84 survey; but, due to budget constraints, these were subsampled down to 75 (8 PSUs were selected with certainty). Prior to sample selection, the 2,497 PSUs were stratified by Census region (Northeast, Midwest, South, West), SMSA (Standard Metropolitan Statistical Area) enrollment status (SMSA, non-SMSA), and private school enrollment (above the PSU median enrollment, below the PSU median) into 16 strata. Within each stratum PSUs were selected with probability proportional to the square root of the PSU population. The overall sampling fraction was 75/2,497.

An independent search for private schools in the 75 PSUs was conducted. The schools found during the search were matched to the QED list frame universe to eliminate duplications. This resulted in an area frame of 746 eligible schools and 250 unable-to-contact schools. The 996 area frame schools were subsampled in 21 of the PSUs. In the remaining 54 PSUs, all schools in the area frame were taken into the sample. Subsampling was done at such a rate as to prevent the area frame from constituting more than one-third of the total private school sample in a state.

Following adjustments for duplicate and out-of-scope schools, the estimated total number of private schools in the universe obtained from the 1987-88 private school sample is 26,807 with a coefficient of variation of 3 percent. Of the 26,807, some 20,902 are estimated to be represented by the list portion of the frame, and 5,905 are estimated to be represented by the area frame.

For more information see the technical report, 1988 Schools and Staffing Survey Sample Design and Estimation.

14. SASS SCHOOL AND TEACHER SAMPLE ALLOCATION

1

Page 17

Public Schools. The SASS sample is a stratified sample. Schools were first classified by sector: public/private. Public schools were stratified by the 50 states and the District of Columbia and then by 3 grade levels (elementary, secondary, combined), resulting in 153 strata.

Within each sample public school, an average teacher sample size of four, eight, and six teachers was randomly selected from elementary, secondary, and combined schools, respectively.

Private Schools. The private schools were stratified by the 50 states and the District of Columbia. Within each state, schools were further stratified by grade level and religious affiliation (Catholic/Friends/Episcopal/Jewish/Seventh-day Adventist/Christian Schools International/American Association of Christian Schools/Exceptional Children/Military Schools/Montessori/Independent Schools/Other). Some collapsing across level of school and affiliation occurred within state for private schools when the allocation procedure allocated zero schools to a stratum. This happened when the stratum population size was small. Within each sample private school, an average teacher sample size of four, five, and three teachers was randomly selected from elementary, secondary, and combined schools, respectively.

Allocation Model. The school sample sizes were allocated to the strata using a complex allocation model to minimize the relative loss of efficiency with respect to the variances of the estimates of four classes of school characteristics and four classes of teacher characteristics. These four classes of characteristics are the U.S. level estimates, state comparisons, public vs. private comparisons, and elementary vs. secondary vs. combined comparisons. The idea behind the allocation was to look at the relative loss of efficiency (i.e., the ratio of the variance for the proposed allocation to the variance for the optimum allocation) for each of the four individual optimum allocations stated above (i.e., national, state, level, and sector). The optimum allocations assumed a linear cost function with fixed total costs. These relative efficiencies were computed for both school and teacher estimates. The SASS school and teacher allocation was the allocation that minimized the sum of these eight relative efficiencies (four school and four teacher). The area frame was not allocated as part of the model. In 54 of the 75 PSUs, all schools in the area frame were taken into the sample. Schools were subsampled from the area frame in the remaining 21 PSUs within six states. Subsampling was done so that the area frame did not constitute more than one-third of the total private school sample in each of the six states. The final sample sizes and sampling rates are summarized below.

	Public		Private	
	School sample size	Percent of population	School sample size	Percent of population
Total	9,317	--	3,513	--
Elementary	4,993	10	1,668	12
Secondary	2,899	23	359	14
Combined	1,425	21	935	13
Area sample	N/A	--	551	--

--Not applicable

For more information see the technical report, 1988 Schools and Staffing Survey Sample Design and Estimation.

15. TFS SAMPLE ALLOCATION

The Teacher Followup Survey is a stratified sample. The sample was allocated in order to allow comparisons of stayers, movers, and leavers within sector (public/private), experience groups, and level. Therefore, for the TFS, the responding 1988 SASS teachers were stratified by four variables (teacher status, sector, experience, level) in the order shown below:

TEACHER STATUS

Leaver--teachers in the 1987-88 school year who left the teaching profession prior to the 1988-89 school year

Stayer--teachers in the 1987-88 school year who are still teaching in the same school in 1988-89 as they were in the previous school year

Mover--teachers in the 1987-88 school year who are still teaching in the 1988-89 school year, but are in a different school in the 1988-89 school year

SECTOR

Public--teachers who taught in a public school system in 1987-88

Private--teachers who taught in a private school in 1987-88

1

Page 19

EXPERIENCE

New--teachers who had at least 3 years teaching experience at end of the 1987-88 school year

Experienced--teachers who had more than 3 years experience at end of the 1987-88 school year

TEACHER LEVEL

Elementary--teachers who taught elementary students in 1987-88

Secondary--teachers who taught secondary students in 1987-88

The public school teachers in the Followup Survey were sorted within each stratum (in order) by Census region, urbanicity, teacher subject, and school enrollment. The private school teachers were sorted within each stratum (in order) by private school affiliation, urbanicity, teacher subject, and school enrollment.

1
Page 20

The final TFS sample allocation is summarized in the table below.

	Total	New	Experienced
PUBLIC	5,075	1,358	3,417
Leavers			
Total	2,159	389	1,770
Elementary	969	158	811
Secondary	1,190	231	959
Nonleavers	2,916	1,269	1,647
Elementary			
Total	1,638	721	917
Movers	725	379	346
Stayers	913	342	571
Secondary			

Total	1,278	548	730
Movers	519	304	215
Stayers	759	244	515
PRIVATE	2,098	849	1,249
Leavers			
Total	828	278	550
Elementary	580	185	395
Secondary	248	93	155
Nonleavers	1,270	571	699
Elementary			
Total	854	385	468
Movers	414	138	275
Stayers	440	247	193
Secondary			
Total	416	186	231
Movers	166	63	104
Stayers	250	123	127

1

16. SAMPLE SELECTION PROCEDURES

Within each public school stratum, schools were first sorted by the following variables:

Urbanicity--urban, suburban, rural
Percent minority--0 to 5, 6 to 20, 21 to 50, 51 or more

Zip code--first three digits
LEA ID number
Highest grade in school
Enrollment

The private schools were sorted by urbanicity, ZIP code (first two digits), highest grade in school, and enrollment. A systematic sampling scheme was then applied within each school stratum to select the appropriate number of sample schools, with probability proportional to the square root of the number of teachers for a school.

Schools in the area frame were sorted by state, PSU, grade level, affiliation (Catholic, Other Religious, Nonsectarian), enrollment and alphabetically by name. Sample selection was with probability proportional to the square root of the number of teachers. In those schools where the number of teachers was unavailable, sampling was with equal probability.

In order to reduce respondent burden, a procedure which minimized the probability of duplication was used to unduplicate the SASS sample with the sample schools of the National Assessment of Educational Progress (NAEP) /2 and the National Educational Longitudinal Study (NELS). /3 As a result, there were only four public schools in the sample for both SASS and NAEP. No public school was in sample for SASS and NELS. Each school's measure of size was adjusted so that the probability of selecting the school for SASS, given that it was selected for NAEP or NELS, was minimized, without changing the selection probability average over all possible samples.

Two sets of teacher samples were selected: the basic sample and the bilingual supplement. The supplement was funded by the Office of Bilingual Education and Minority Languages Affairs.

Within each sample school there were two teacher strata for the basic sample: new teachers and all other teachers. New teachers are those who, counting the 1987-88 school year, are in the first, second, or third year of their teaching career in either a public or private school system. Within each stratum in a school, teachers were sorted by subject: General Elementary Education/Special Education or Other for elementary school teachers, and Mathematics/Science/English/Social Science/Vocational Education/Other for secondary school teachers.

1

The basic sample of teachers required for each school stratum was allocated to the sample schools in each stratum so that the teacher weights were approximately equal. The specified average teacher sample size for each school was then allocated to the two teacher strata such that an oversampling of new teachers at a fixed rate was obtained for private schools, and proportional allocation was obtained for public schools. A systematic sampling scheme was then applied to select the basic sample within each sample school and teacher stratum.

Systematic sampling was also used to select the bilingual teacher supplement. There were six strata for the bilingual supplement (see below). The bilingual supplement was subsampled systematically with equal probabilities within each stratum to control the total teachers in each of the six bilingual strata. The maximum number of bilingual teachers selected in each stratum was designated to be 500. This was exceeded in Texas, California, and the All Other States stratum. The number of bilingual teachers sampled in each school is proportional to the weighted number of bilingual teachers in the school. In addition, the total number of teachers selected in both samples was not permitted to exceed 20 in a given school. The six bilingual strata and their respective sample sizes are:

	Public	Private	Total
California	494	15	509
Texas	548	13	561
Florida	147	43	190
Illinois	180	16	196
New York	421	47	468
All other states	468	47	517
Total	2,258	183	2,441

These sample sizes include bilingual teachers from both the bilingual supplement and the portion of the basic sample which overlaps with the bilingual supplement. The actual number of bilingual teachers that resulted is larger: 2,848 public and 281 private, because some bilingual teachers were selected by chance in the nonoverlapping portion of the basic sample. The bilingual supplement was unduplicated with the basic sample, so that teachers selected in both samples appear only once on the tape. All bilingual teachers received

a basic weight which reflected their joint probability of selection in both bilingual and basic samples. Bilingual teachers can be identified on the tape with the indicator variable TBIL.

For more information see the technical report, 1988 Schools and Staffing Survey Sample Design and Estimation.

The final sample sizes for teachers in SASS are summarized in the

1

Page 23

table below:

	Public	Private
Total	56,242	11,529
Elementary	24,196	6,037
Secondary	24,074	1,763
Combined	7,972	2,504
Area sample	--	1,225
Experienced	49,609	8,666
New	6,633	2,863
Bilingual	2,848	281
Nonbilingual	53,394	11,248

--Not applicable

17. TFS SAMPLE SELECTION PROCEDURES

Sorting. Within each public stratum, teachers responding to the 1987-88 SASS Teacher Survey were sorted by Census region, urbanicity, teacher subject, and school enrollment. Within each private stratum, responding teachers were sorted by affiliation, urbanicity, teacher subject, and school enrollment.

Sample Selection. After the teachers were sorted, teachers were selected within each stratum using a probability proportional to size sampling procedure. The measure of size was the SASS basic weight (inverse of the probability of selecting a teacher in the SASS teacher sample).

18. SASS TEACHER WEIGHTS

The teacher basic weight is the inverse of the probability of selection. Teacher records receive either a basic weight from the basic sample or a basic weight from the bilingual supplement or both. These two basic weights were then combined by applying a bilingual oversampling adjustment factor to the bilingual teacher weight to account for their two chances of selection. Teacher basic weights were also adjusted to account for schools that refused to participate in the teacher selection process, and for teachers not selected for telephone followup (subsampling) in the base year and for whom questionnaires were not returned by mail. In addition, teacher and school noninterview adjustment factors and the QED school ratio adjustment factor were also applied to produce the final weight.

19. TFS TEACHER WEIGHTS

1
Page 24

The final TFS sample weight equals:

SASS teacher final weight*TFS basic weight*TFS Nonresponse Adjustment

where:
SASS teacher final weight is final teacher weight used to produce teacher estimates from the SASS teacher sample

TFS basic weight is inverse of the probability of selecting a teacher given the teacher was selected in the SASS teacher sample

TFS nonresponse adjustment is the adjustment used to adjust for teachers that refused to participate in the TFS survey.

The estimates produced by this tape may differ slightly from those published in "Characteristics of Stayers, Movers, and Leavers: Results from the Teacher Followup Survey, 1988-89" (NCES Publication Number 91-128, June 1991) due to a revision of the final weight in the fifth decimal place on the tape. These differences are small relative to the standard errors of the estimates which reflect

sampling variability. For example, a few of the percentages listed in table 1 of the publication may vary by one-tenth of 1 percent, but most of the percentages did not change. In table 4 of the publication, the total estimate of 2,052,383 stayers will show up as 2,065,839 on the tape. This difference of 13,456 stayers is small relative to the standard error of 55,896.

20. VARIANCE ESTIMATION

Schools. Responding public schools were placed into replicates by first creating 48 variance strata within each state. Noncertainty schools were sorted by order of selection within each sampling stratum and consecutive pairs of schools were assigned to variance strata, numbered from 1 to 48. At least two schools in a variance stratum were required. Therefore, in sampling strata with more than 96 noncertainty schools contiguous variance strata were collapsed, so that there are variance strata with more than two schools. In sampling strata with less than 96 schools there are less than 48 variance strata. Within each variance stratum, schools were split into two half-samples. Certainty schools were assigned to their own variance stratum and to both half-samples in the variance stratum.

Private schools from the list sample were sorted by region, sampling stratum (state by affiliation by level), and order of selection within each sampling stratum. Consecutive pairs of schools were assigned to variance strata numbered from 1 to 48, beginning again with 1 after the 48th pair until all schools in the entire national sample were assigned to a variance stratum. Thus, there are 48 variance strata in the nation. Within each variance stratum schools

1

were split into half-samples. Certainty schools were assigned to their own variance stratum and to both half-samples in the variance stratum. For private schools from the area sample, the noncertainty PSUs (the geographic areas) were sorted by order of selection and paired consecutively to form 48 variance strata. Within each of the eight certainty PSUs, schools were assigned to variance strata in the same manner as the list sample schools.

Teachers. For responding teachers without responding schools, school records were created and variance strata and half-samples were

assigned for all schools using the same procedure as described for schools. Responding teachers within a school were assigned to their school's variance stratum and half-sample. Teachers from certainty schools were placed into the same variance stratum as the school, but were split into different half-samples. Certainty teachers from certainty schools received replicate weights of 1.0000.

LEAs. Schools and teachers were assigned to replicates using a Hadamard orthogonal matrix of order 48. Partial balancing was achieved because of the combining of variance strata. The replicate weight for the ith sample unit in the kth replicate is equal to twice the full-sample weight when the sample unit is included in the kth replicate, and zero otherwise. The exception is for certainty units, which appear in every replicate and therefore have all nonzero replicate weights and sample units in variance strata with an odd number in them. All replicate weight fields in certainty units were assigned to their full-sample weight so that they would not contribute to the variance.

TFS Teachers. Since the TFS sample was a proper subsample of the SASS teacher sample, the SASS teacher replicates were used for the TFS sample. The one problem with the SASS teacher replicates was that the half-sample sample sizes were not equal by "teacher location" (leaver, mover, stayer), as the TFS sample design would imply. To better replicate the TFS design, the teacher half-sample panel assignments were switched within each variance stratum, when necessary, to equalize the "teacher location" half-sample sample sizes across the 48 variance strata.

A variance estimate is calculated by first calculating the estimate for each replicate, then summing the squared deviations of the replicate estimates from the full-sample estimate, and finally dividing by the number of replicates:

$$\text{sum}_k \left(\hat{y}_k - \hat{y}\right)^2 / 48$$

where k = 1, 2 48,

1
Page 26

$\emptyset$
y
k = kth replicate estimate
$\emptyset$
and y = full sample estimate.

When calculating variance estimates for some small subdomains of interest (e.g., vocational education teachers), sparseness of the data may result in there being no data from some replicates. This can result in either an extremely large variance estimate or failure of the software used to calculate the variance, with possibly a warning message.

Nonresponse adjustments and ratio estimation factors were not recalculated for each replicate. The effects of imputation are also not reflected in the replicate weights. Finite population correction factors were omitted. All of this results in a slightly biased variance estimate.

Software which produces variance estimates from replicate weights using balanced repeated replication is available from

Westat, Inc.
1650 Research Blvd.
Rockville, MD 20850

Contact: Marilyn Rowen
(301) 251-4232

The software is called WESVAR and runs under IBM/OS and VAX/VMS systems. Other variance estimation software is also available. /4

21. CONFIDENTIALITY PROTECTION MEASURES

The 1988-89 Teacher Followup Survey data is released in accordance with the provisions of the General Education Provisions Act (GEPA) (20 USC 1221e-1) and the Carl D. Perkins Vocational Education Act. GEPA ensures privacy by ensuring that respondents will never be individually identified.

Under Public Law 100-297, the National Center for Education Statistics is responsible for protecting the confidentiality of individual respondents and is releasing this data tape to be used for

statistical purposes only. Record matching or deductive disclosure by any user is prohibited.

To ensure that the confidentiality provisions contained in PL 100-297 have been fully implemented, procedures for disclosure avoidance were used in preparing the data tape in this release. Every effort has

1

been made to provide the maximum research information consistent with reasonable confidentiality protections.

To prevent disclosure of teachers on the public use data tapes, state identifiers (on the public sector tapes), state and regional identifiers (on the private sector tapes), detailed affiliation and association codes (on the private sector tapes), and stratum codes have been removed. Continuous variables on the questionnaires that would permit disclosure of a teacher have been coded into categories. Some categorical variables that were a disclosure problem have been recoded into new categories. On the private sector tapes, the detailed affiliation codes have been collapsed into three categories: Catholic, Other Religious, and Nonsectarian. The new categories for recoded variables are defined for the appropriate source codes on the attached tape record layouts. A few items have been deleted from the files altogether because of disclosure problems. These will be missing on the record layouts.

1
Page 28

1

NOTES

/1 Kalton, G. and Kasprzyk, D. (1982), "Imputing for Missing Survey Responses," Proceedings of the Section on Survey Research Methods, American Statistical Association, 22-31; Kalton, G. Compensating for Missing Survey Data. Ann Arbor: Survey Research Center, University of Michigan, 1983; Kalton, G. and Kasprzyk, D. (1986), "The Treatment of Missing Survey Data," Survey Methodology, Vol. 12, No. 1, p. 1-16; Little, R.J.A. and Rubin, D.B. (1987), Statistical Analysis with Missing Data, John Wiley and Sons; Madow, W.G., Olkin, I., and Rubin, D.B. (eds.) 1983, Incomplete Data in Sample Surveys, Vols. 1, 2, and 3. New York, Academic Press.

/2 For information on the National Assessment of Educational Progress, contact the Education Assessment Division, National Center for Education Statistics, 555 New Jersey Avenue NW, Washington, DC 20208, or phone (202) 219-1763.

/3 For information on the National Educational Longitudinal Study, contact the Elementary and Secondary Education Statistics Division, National Center for Education Statistics, 555 New Jersey Avenue NW, Washington, DC 20208, or phone (202) 219-1777.

/4 Kalton, G. (1977), "Practical Methods for Estimating Survey Sampling Errors," Bulletin of the International Statistical Institute: 46, 3, 495-5 14; Wolter, K. (1985), Introduction to Variance Estimation, New York, Springer-Verlag.

1

Page 31

1989 TEACHER FOLLOW-UP SURVEY

1
Page 32

1

SUBJECT: DOCUMENTATION AND RECORD LAYOUT OF THE 1989 TEACHER FOLLOW-UP SURVEY (PUBLIC-USE FILE).

THE FILE CONTAINS DATA COLLECTED ON OR DERIVED FROM TFS-2, TFS-3, AND TFS-4 QUESTIONNAIRES, 1988 SASS QUESTIONNAIRE DATA, TFS SAMPLE DATA, TFS RECODES, TFS FINAL AND REPLICATE WEIGHTS.

THERE ARE 6763 RECORDS. THE MAXIMUM NUMBER OF TFS SOURCE CODES IS 196 SOURCE CODES. EACH RECORD REPRESENTS ONE INDIVIDUAL IN THE SURVEY.

VARIABLES TFS004 THROUGH TFS082 APPLY TO QUESTIONNAIRE TYPE

TFS-2. VARIABLES TFS104 THROUGH TFS196 APPLY TO QUESTIONNAIRE TYPE TFS-3. QUESTIONNAIRE TYPE TFS-4 IS A COMBINED DOCUMENT USED FOR TELEPHONE FOLLOW-UP. IT USES THE SAME NUMBERING SYSTEM.

VARIABLES TFS121 - TFS130 IDENTIFY THE GRADE LEVELS OF THE STUDENTS IN THE TEACHER'S CLASSES. THE PRESENCE OF A "0" INDICATES THAT ONE OF THE SOURCE CODES (BETWEEN 121 AND 130) CONTAINS VALID DATA.

A DESCRIPTION OF THE EDITED DATA COMPILED FROM THE 1989 QUESTIONNAIRE IS INCLUDED IN THIS DOCUMENTATION. ITEMS FOR WHICH A RESPONDENT IS OUT OF UNIVERSE ARE FILLED WITH BLANKS. THE ITEMS HAVE BEEN EDITED FOR CONSISTENCY AND VALID RANGES.

BLANKS IN A FIELD INDICATE THAT THE RESPONDENT WAS 'OUT OF UNIVERSE' FOR THAT ITEM (OR PART OF AN ITEM). THAT IS, HE(SHE) WAS NOT REQUIRED TO ANSWER THAT QUESTION (OR PART OF THE QUESTION) DUE TO THE SKIP PATTERN OF THE QUESTIONNAIRE.

THE DATA FIELDS USUALLY ARE IN ORDER BY ITEM NUMBER AS WELL AS BY SOURCE CODE.

THE APPENDICES INCLUDED ARE AS FOLLOWS:

APPENDIX 'A' - INDUSTRY CODES (1980) & OCCUPATION CODES 1980
APPENDIX 'B' - TSC040, TSC044, TSC048, TSC052, TSC056, TSC060, TSC064, TSC068
APPENDIX 'C' - TSC041, TSC045, TSC049, TSC053, TSC057, TSC061, TSC065, TSC069
APPENDIX 'D' - TSC042, TSC046, TSC050, TSC054, TSC058, TSC062, TSC066, TSC070
APPENDIX 'E' - TSC078, TSC079, TSC081, TSC083, TSC129
APPENDIX 'F' - TSC166, TSC173, TSC180, TSC187, TSC194, TSC201, TSC208, TSC215, TSC222

1
Page 34

APPENDIX 'G' - TSC171, TSC178, TSC185, TSC192, TSC199, TSC206, TSC213, TSC220, TSC227
APPENDIX 'H' - TSC172, TSC179, TSC186, TSC193, TSC200, TSC207,

TSC214, TSC221, TSC228

1

1988-89 TEACHER FOLLOW-UP SURVEY
DOCUMENTATION
PUBLIC-USE TAPE

FIELD NAME	LOCATION	CODES = COMMENTS	PUBLIC SCHOOL	PRIVATE SCHOOL
SECTOR	1 - 1	SECTOR		
	1 = Public School		4812	0
	2 = Private School		0	1951
CNTLNUM	2 - 14	CONTROL NUMBER = (SCRAMBLED FOR CONFIDENTIALITY)		
BLANK	15 - 18	BLANK		
ISR	19 - 19	ISR CODE		
	1 = INTERVIEW		4812	1951
	20 - 21	BLANK		
TFS002	22 - 22	ARE YOU CURRENTLY TEACHING FULL-TIME, PART-TIME, OR AS A LONG TERM SUBSTITUTE IN ANY OF GRADES KINDERGARTEN THROUGH 12?		
	1 = YES		3259	1282
	2 = NO		1553	669

FORMER TEACHER QUESTIONNAIRE

TFS004 24 - 24 1.
WHAT IS YOUR (1988-89) PRIMARY OCCUPATIONAL
STATUS? IS IT-

1 = WORKING ELEM. OR SECON. SCHOOL ASSIGN. OTHER THAN TEACHING	240	60
2 = WORKING IN AN OCCUP. OUTSIDE ELEM. OR SECON. EDUCATION	362	247
3 = ATTENDING A COLLEGE OR UNIVERSITY	114	72

1
Page 36

4 = HOMEMAKING AND/OR CHILD REARING	322	190
5 = RETIRED	383	37
6 = DISABLED	19	3
7 = OTHER	113	60

TFS005 25 - 25 2.
WHAT IS YOUR MAIN (1988-89) SCHOOL ASSIGNMENT?
IS IT -

1 = ADMINISTRATOR (PRINCIPAL, ASSIST. PRINCIPAL, DIRECTOR, HEAD)	99	26
2 = NONTEACHING SPECIALIST (COUNSELOR, LIBRARIAN)	56	5
3 = RESOURCE PERSON FOR OTHER TEACHERS	27	8
4 = SUPPORT STAFF	10	10
5 = COACH	4	0
6 = OTHER	42	10
9 = NOT ANSWERED	2	1
BL = NOT APPLICABLE	4572	1891

TFS006 26 - 29 3B.
WHAT KIND OF BUSINESS OR INDUSTRY IS THIS?
1980 INDUSTRY CODES (SEE APPENDIX 'A')

0010 - 0932 = INDUSTRY CODES	362	247
9999 NOT ANSWERED	2	1
BL = NOT APPLICABLE	4448	1703

TFS007 30 - 33 3C.
WHAT KIND OF WORK DO YOU DO? 1980 OCCUPATION
CODES (SEE APPENDIX 'A')

0003 - 0889 = OCCUPATION CODES	362	247
9999 = NOT ANSWERED	2	1
BL = NOT APPLICABLE	4448	1703

TFS008 34 - 34 3E.
HOW WOULD YOU CLASSIFY YOURSELF ON THIS JOB?
ARE YOU-

1 = AN EMPLOYEE OF A PRIVATE COMPANY, BUSINESS, OR INDIV. FOR WAGES, SALARY OR COMMISSION	203	172
2 = A FEDERAL GOVERNMENT EMPLOYEE	12	4

1

Page 37

3 = A STATE GOVERNMENT EMPLOYEE	38	15
4 = A LOCAL GOVERNMENT EMPLOYEE	23	11
5 = SELF-EMPLOYED IN YOUR OWN BUSINESS, PROFESSIONAL PRACTICE, OR FARM	68	32
6 = WORKING WITHOUT PAY IN A FAMILY BUSINESS OR FARM	1	3
7 = WORKING WITHOUT PAY IN A VOLUNTEER JOB	0	0
9 = NOT ANSWERED	19	11
BL = NOT APPLICABLE	4448	1703

TFS009 35 - 35 4.
WHICH OF THE FOLLOWING CATEGORIES BEST
DESCRIBES YOUR POSITION AS AN EMPLOYEE?

1 = FULL-TIME EMPLOYEE	470	208
2 = 3/4 TIME OR MORE, BUT LESS THAN FULL-TIME EMPLOYEE	29	33
3 = 112 TIME OR MORE, BUT LESS THAN 3/4 TIME EMPLOYEE	52	36
4 = 1/4 TIME OR MORE, BUT LESS THAN 112 TIME EMPLOYEE	17	20
5 = LESS THAN 1/4 TIME EMPLOYEE	13	6
9 = NOT ANSWERED	21	4
BL = NOT APPLICABLE	4210	1644

TFS010 36 - 41 5.
ALTOGETHER, HOW MUCH DO YOU USUALLY EARN AT THIS JOB BEFORE DEDUCTIONS?

EARNINGS ARE EXPRESSED IN DOLLARS OR DOLLARS AND CENTS AND COULD REFLECT ANY PAYMENT INTERVAL (SEE TFS011)

000000 - 999996 = DOLLARS

Maximum	70000	48000
Minimum	2.01	0
Mean	16641.3	8908.07
Standard Dev	16455	12084.3
999999 = NOT ANSWERED	71	37
BL = NOT APPLICABLE	4210	1644

TFS011 42 - 43 PAYMENT INTERVAL

1 = HOUR	88	61
2 = DAY	13	5

1
Page 38

3 = WEEK	32	36
4 = BIWEEKLY	24	11
5 = MONTH	79	46
6 = YEAR	292	105
7 = OTHER	16	11

99 = NOT ANSWERED	58	32
BL = NOT APPLICABLE	4210	1644

TFS012 44 - 44 6.
HOW LONG DO YOU PLAN TO REMAIN IN THIS JOB?

1 = AS LONG AS ABLE	229	116
2 = UNTIL ELIGIBLE FOR RETIREMENT	86	12
3 = PLAN TO LEAVE AS SOON AS POSSIBLE	78	57
4 = UNDECIDED	184	116
9 = NOT ANSWERED	25	6
BL = NOT APPLICABLE	4210	1644

TFS013 45 - 46 7.
IN NOW MANY YEARS DO YOU PLAN TO RETIRE?

0 - 70 = YEARS

Maximum	50	65
Minimum	0	2
Mean	20.137	24.56
Standard Dev	9.763	11.577
99 = NOT ANSWERED	77	34
BL = NOT APPLICABLE	4472	1817

TFS014 47 - 48 8.
WHAT DO YOU EXPECT YOUR MAIN ACTIVITY WILL BE DURING THE NEXT SCHOOL YEAR (1989-90)? WILL YOU BE -

6 = ATTENDING A COLLEGE OR UNIVERSITY	72	64
7 = WORKING IN A NONTEACHING OCCUPATION IN THE FIELD OF EDUCATION	221	55
8 = WORKING IN AN OCCUPATION OUTSIDE THE FIELD OF EDUCATION	247	165
9 = HOMEMAKING AND/OR CHILD REARING	208	149
10 = UNEMPLOYED AND SEEKING WORK	27	12

1

11 = MILITARY SERVICE	0	0
12 = RETIRED	349	0
13 = OTHER	108	0
14 = TEACHING ANY OF GRADES KINDERGARTEN-12	262	0
16 = TEACHING AT THE PRE-KINDERGARTEN OR POST-SECONDARY LEVEL	49	0
99 = NOT ANSWERED	10	3
BL = NOT APPLICABLE	3259	1282

TFS015 49 - 49 9.
HAVE YOU EARNED ANY NEW DEGREES IN THE PAST YEAR?

1 = YES	65	13
2 = NO	1477	654
9 = NOT ANSWERED	11	2
BL = NOT APPLICABLE	3259	1282

TFS016 50 - 51 10.
WHEN DID YOU EARN THIS DEGREE?

1 = JANUARY	0	1
2 = FEBRUARY	1	0
3 = MARCH	0	0
4 = APRIL	0	0
5 = MAY	23	3
6 = JUNE	8	3
7 = JULY	1	0
8 = AUGUST	13	2
9 = SEPTEMBER	3	0
10 = OCTOBER	2	0
11 = NOVEMBER	1	0
12 = DECEMBER	9	2
99 = NOT ANSWERED	15	4
BL = NOT APPLICABLE	4736	1936

TFS017 52 - 53 WHEN DID YOU EARN THIS DEGREE?

88 = YEAR 1988	31	4
89 = YEAR 1989	27	7
99 = NOT ANSWERED	18	4
BL = NOT APPLICABLE	4736	1936

TFS018 54 - 54 11.
WHAT TYPE OF DEGREE IS IT?

1
Page 40

1 = BACHELOR'S	0	1
2 = MASTER'S	44	12
3 = EDUCATION SPECIALIST OR PROFESS. DIPLOMA	9	0
4 = DOCTORATE	6	0
5 = PROFESSIONAL	2	0
9 = NOT ANSWERED	15	2
BL = NOT APPLICABLE	4736	1936

TFS019 55 - 56 12.
WHAT IS THE MAJOR FIELD OF STUDY FOR YOUR NEW DEGREE?

GENERAL		
11 = AGRICULTURE AND NATURAL RESOURCES	0	0
12 = ARCHITECTURE AND ENVIRONMENTAL DESIGN	0	0
13 = AREA AND ETHNIC STUDIES	0	0
14 = BIOLOGICAL/LIFE SCIENCE	1	0
15 = BUSINESS AND MANAGEMENT	0	1
16 = COMMUNICATIONS	1	0
17 = COMPUTER AND INFORMATION SCIENCES	0	1
18 = ENGINEERING	0	0
19 = FINE AND APPLIED ARTS	1	1
20 = FOREIGN LANGUAGES	0	0
21 = HEALTH PROFESSIONS	0	0

22 = HOME ECONOMICS	0	0
23 = LAW	2	0
24 = LETTERS (ENGLISH, LITERATURE, SPEECH, CLASSICS)	2	0
25 = LIBRARY SCIENCE	0	0
26 = MATHEMATICS	0	0
27 = MILITARY SCIENCE	0	0
28 = MULTI/INTERDISCIPLINARY STUDIES	0	0
29 = PHILOSOPHY AND RELIGION	0	0
30 = PSYCHOLOGY	0	1
31 = PUBLIC AFFAIRS AND SERVICES	0	0
32 = THEOLOGY	0	1
PHYSICAL SCIENCES		
33 = CHEMISTRY	1	0
34 = PHYSICS	0	0
35 = GEOLOGY/EARTH SCIENCE	0	0
36 = OTHER PHYSICAL SCIENCES	0	0
SOCIAL SCIENCES		

1

Page 41

37 = ECONOMICS	0	0
38 = HISTORY	0	0
39 = POLITICAL SCIENCE AND GOVERNMENT	0	0
40 = SOCIOLOGY	0	0
41 = OTHER SOCIAL SCIENCES	0	0
42 = OTHER	1	0
EDUCATION		
GENERAL EDUCATION		
51 = ELEMENTARY EDUCATION	1	1
52 = PRE-ELEMENTARY/EARLY CHILDHOOD EDUCATION	1	0
53 = SECONDARY EDUCATION	2	0
SUBJECT AREA EDUCATION		
54 = AGRICULTURAL EDUCATION	0	0

55 = ART EDUCATION	0	0
56 = BILINGUAL EDUCATION	0	0
57 = BUSINESS, COMMERCE, AND DISTRIBUTIVE EDUCATION	0	0
58 = ENGLISH AS A SECOND LANGUAGE	1	0
59 = ENGLISH EDUCATION	2	0
60 = FOREIGN LANGUAGES EDUCATION	0	0
61 = HOME ECONOMICS EDUCATION	0	0
62 = INDUSTRIAL ARTS, VOCATIONAL AND TECHNICAL EDUCATION	1	0
63 = MATHEMATICS EDUCATION	2	0
64 = MUSIC EDUCATION	0	0
65 = PHYSICAL EDUCATION/HEALTH EDUCATION	0	0
66 = READING EDUCATION	1	0
67 = SCIENCE EDUCATION	1	0
68 = SOCIAL STUDIES/SOCIAL SCIENCES EDUCATION	0	0
SPECIAL EDUCATION		
70 = SPECIAL EDUCATION, GENERAL	2	0
71 = EDUCATION OF THE EMOTIONALLY DISTURBED	2	0
72 = EDUCATION OF THE MENTALLY RETARDED	0	0
73 = EDUCATION OF THE SPEECH/HEARING/VISION IMPAIRED	1	0
74 = SPECIAL LEARNING DISABILITIES	2	0
75 = OTHER SPECIAL EDUCATION	2	0

1
Page 42

OTHER EDUCATION		
80 = CURRICULUM AND INSTRUCTION	2	2
81 = EDUCATIONAL ADMINISTRATION	23	2
82 = EDUCATIONAL PSYCHOLOGY	0	1
83 = STUDENT PERSONNEL AND COUNSELING	5	1
84 = OTHER EDUCATION	2	1

99 = NOT ANSWERED	14	2
BL = NOT APPLICABLE	4736	1936

TFS020 57 - 57 13.
FOR WHAT PURPOSE DID YOU EARN THIS DEGREE? WAS IT -

1 = TO INCREASE SALARY	11	3
2 = FOR PROFESSIONAL DEVELOPMENT IN CURRENT FIELD	26	6
3 = TO TEACH IN A DIFFERENT FIELD THAN THE ONE TAUGHT LAST YEAR	2	0
4 = FOR A NONTEACHING POSITION IN ELEMENTARY OR SECONDARY EDUCATION	12	3
5 = FOR AN OCCUPATION OUTSIDE ELEM. OR SECONDARY EDUCATION	7	1
6 = OTHER	4	0
9 = NOT ANSWERED	14	2
BL = NOT APPLICABLE	4736	1936

TFS021 58 - 58 14.
ARE YOU CURRENTLY ENROLLED IN A DEGREE PROGRAM?

1 = NO	1308	551
2 = YES, AS A FULL-TIME STUDENT	104	52
3 = YES, AS A PART-TIME STUDENT	125	62
9 = NOT ANSWERED	16	4
BL = NOT APPLICABLE	3259	1282

TFS022 59 - 59 15.
WHAT TYPE OF DEGREE ARE YOU PURSUING?

1 = BACHELOR'S	5	1
2 = MASTER'S	149	2
3 = EDUCATION SPECIALIST OR PROFESSIONAL DIPLOMA	35	3
4 = DOCTORATE	33	4
5 = PROFESSIONAL	5	5
9 = NOT ANSWERED	18	3
BL = NOT APPLICABLE	4567	1833

TFS023 60 - 61 16.
WHAT IS THE MAJOR FIELD OF STUDY FOR THE DEGREE
YOU ARE PURSUING?

GENERAL		
11 = AGRICULTURE AND NATURAL RESOURCES	0	0
12 = ARCHITECTURE AND ENVIRONMENTAL DESIGN	0	0
13 = AREA AND ETHNIC STUDIES	0	0
14 = BIOLOGICAL/LIFE SCIENCE	2	3
15 = BUSINESS AND MANAGEMENT	3	5
16 = COMMUNICATIONS	3	0
17 = COMPUTER AND INFORMATION SCIENCES	2	2
18 = ENGINEERING	1	0
19 = FINE AND APPLIED ARTS	1	1
20 = FOREIGN LANGUAGES	3	0
21 = HEALTH PROFESSIONS	4	3
22 = HOME ECONOMICS	0	0
23 = LAW	4	4
24 = LETTERS (ENGLISH, LITERATURE, SPEECH, CLASSICS)	3	0
25 = LIBRARY SCIENCE	4	0
26 = MATHEMATICS	0	3
27 = MILITARY SCIENCE	0	0
28 = MULTI/INTERDISCIPLINARY STUDIES	0	1
29 = PHILOSOPHY AND RELIGION	0	1
30 = PSYCHOLOGY	1	6
31 = PUBLIC AFFAIRS AND SERVICES	0	1
32 = THEOLOGY	2	4
PHYSICAL SCIENCES		
33 = CHEMISTRY	2	2
34 = PHYSICS	2	2
35 = GEOLOGY/EARTH SCIENCE	0	0
36 = OTHER PHYSICAL SCIENCES	1	3
SOCIAL SCIENCES		
37 = ECONOMICS	0	0

38 = HISTORY	1	3
39 = POLITICAL SCIENCE AND GOVERNMENT	0	0
40 = SOCIOLOGY	0	0
41 = OTHER SOCIAL SCIENCES	3	0
42 = OTHER	7	4

EDUCATION

1
Page 44

GENERAL EDUCATION		
51 = ELEMENTARY EDUCATION	11	16
52 = PRE-ELEMENTARY/EARLY CHILDHOOD EDUCATION	3	1
53 = SECONDARY EDUCATION	8	3
SUBJECT AREA EDUCATION		
54 = AGRICULTURAL EDUCATION	2	0
55 = ART EDUCATION	0	1
56 = BILINGUAL EDUCATION	1	1
57 = BUSINESS, COMMERCE, AND DISTRIBUTIVE EDUCATION	1	0
58 = ENGLISH AS A SECOND LANGUAGE	1	0
59 = ENGLISH EDUCATION	3	2
60 = FOREIGN LANGUAGES EDUCATION	2	1
61 = HOME ECONOMICS EDUCATION	1	0
62 = INDUSTRIAL ARTS, VOCATIONAL AND TECHNICAL EDUCATION	4	0
63 = MATHEMATICS EDUCATION	2	1
64 = MUSIC EDUCATION	9	1
65 = PHYSICAL EDUCATION/HEALTH EDUCATION	4	2
66 = READING EDUCATION	9	4
67 = SCIENCE EDUCATION	3	2
68 = SOCIAL STUDIES/SOCIAL SCIENCES EDUCATION	1	0
SPECIAL EDUCATION		
70 = SPECIAL EDUCATION, GENERAL	6	1

71 = EDUCATION OF THE EMOTIONALLY DISTURBED	1	0
72 = EDUCATION OF THE MENTALLY RETARDED	0	0
73 = EDUCATION OF THE SPEECH/HEARING/VISION IMPAIRED	5	0
74 = SPECIAL LEARNING DISABILITIES	5	3
75 = OTHER SPECIAL EDUCATION	4	1
OTHER EDUCATION		
80 = CURRICULUM AND INSTRUCTION	13	4
81 = EDUCATIONAL ADMINISTRATION	51	10
82 = EDUCATIONAL PSYCHOLOGY	3	2
83 = STUDENT PERSONNEL AND COUNSELING	16	7
84 = OTHER EDUCATION	7	4
99 = NOT ANSWERED	17	3
BL = NOT APPLICABLE	4567	1833

1

Page 45

TFS024 62 - 62 17.
FOR WHAT PURPOSE ARE YOU PURSUING THIS DEGREE?

1 = TO INCREASE CURRENT SALARY	32	8
2 = FOR PROFESSIONAL DEVELOPMENT IN CURRENT FIELD	105	49
3 = TO TEACH IN A DIFFERENT FIELD THAN THE ONE TAUGHT LAST YEAR	24	12
4 = FOR A NONTEACHING POSITION IN ELEM. OR SECONDARY EDUCATION	27	9
5 = FOR AN OCCUPATION OUTSIDE ELEM. OR SECON. EDUCATION	21	27
6 = OTHER	18	10
9 = NOT ANSWERED	18	3
BL = NOT APPLICABLE	4567	1833

TFS025 63 - 63 18.
DO YOU PLAN TO RETURN TO TEACHING?

	1 = YES	490	280
	2 = NO	700	192
	3 = UNDECIDED	348	196
	9 = NOT ANSWERED	15	1
	BL = NOT APPLICABLE	3259	1282

TFS026 64 - 64 19.
HOW SOON MIGHT YOU RETURN TO TEACHING?

	1 = LATER THIS SCHOOL YEAR	56	20
	2 = NEXT YEAR	292	136
	3 = WITHIN FIVE YEARS	204	139
	4 = MORE THAN FIVE YEARS FROM NOW	50	60
	5 = UNDECIDED	228	119
	9 = NOT ANSWERED	23	3
	BL = NOT APPLICABLE	3959	1474

TFS027a 65 - 65 20.
AT WHICH LEVEL WOULD YOU TEACH?

	1 = PRE-KINDERGARTEN	45	39
TFS027b 66 - 66	1 = ELEMENTARY (INCLUDING KINDERGARTEN)	391	284
TFS027c 67 - 67	1 = JUNIOR HIGH/MIDDLE		

1
Page 46

	SCHOOL	260	116
TFS027d 68 - 68	1 = HIGH SCHOOL	357	127
TFS027e 69 - 69	1 = POST-SECONDARY	124	73

```
TFS028   70 - 70      21A.
                      DO YOU HAVE A "LIFETIME" TEACHING CERTIFICATE?

     1 = YES                                          681       175
     2 = NO                                           861       491
     9 = NOT ANSWERED                                 11        3
     BL = NOT APPLICABLE                              3259      1282


TFS029a  71 - 71      21B.
                      HAS THERE BEEN A CHANGE IN YOUR TEACHER
                      CERTIFICATION STATUS SINCE LAST YEAR?

     1 = NO CHANGE                                    724       423


TFS029b  72 - 72      1 = YES-CERTIFICATION HAS LAPSED  44        21


TFS029c  73 - 73      1 = YES-CERTIFICATION HAS BEEN
                      UPGRADED                         18        9


TFS029d  74 - 74      1 = YES-CERTIFIED IN A DIFFERENT
                      FIELD                            33        8


TFS029e  75 - 75      1 = OTHER CHANGE                 36        31


TFS030   76 - 76      22.
                      DO YOU PLAN TO MAINTAIN OR REINSTATE YOUR
                      TEACHING CERTIFICATE?

     1 = YES                                          582       260
     2 = NO                                           148       124
     3 = UNDECIDED                                    114       88
     9 = NOT ANSWERED                                 28        22
     BL = NOT APPLICABLE                              3940      1457


TFS031   77 - 78      23A.
```

1

WHAT WAS YOUR MAIN REASON FOR LEAVING THE
TEACHING PROFESSION? WAS IT -

1 = FAMILY OR PERSONAL MOVE	149	101
2 = PREGNANCY/CHILD REARING	212	125
3 = HEALTH	47	14
4 = TO RETIRE	366	39
5 = TO PURSUE ANOTHER CAREER	132	68
6 = FOR BETTER SALARY OR BENEFITS	78	73
7 = TO TAKE COURSES TO IMPROVE CAREER OPPORTUNITIES IN THE FIELD OF EDUCATION	83	45
8 = TO TAKE COURSES TO IMPROVE CAREER OPPORTUNITIES OUTSIDE THE FIELD OF EDUCATION	21	18
9 = SCHOOL STAFFING ACTION (E.G., REDUCTION-IN-FORCE, LAY OFF, SCHOOL CLOSING, SCHOOL REORGANIZATION, REASSIGNMENT)	141	60
10 = TO TAKE A SABBATICAL OR OTHER BREAK FROM TEACHING	78	25
11 = DISSATISFIED WITH TEACHING AS A CAREER	156	48
12 = OTHER FAMILY OR PERSONAL REASON	83	47
99 = NOT ANSWERED	7	6
BL = NOT APPLICABLE	3259	1282

TFS032 79 - 79 23B.
DID YOU HAVE A SECOND REASON FOR LEAVING?

1 = YES	760	295
2 = NO	793	374
9 = NOT ANSWERED	0	0
BL = NOT APPLICABLE	3259	1282

TFS033 80 - 81 23B. (1)
WHAT WAS YOUR SECOND REASON?

1 = FAMILY OR PERSONAL MOVE	49	20
2 = PREGNANCY/CHILD REARING	27	15
3 = HEALTH	44	8

4 = TO RETIRE	35	2
5 = TO PURSUE ANOTHER CAREER	90	36
6 = FOR BETTER SALARY OR BENEFITS	107	50
7 = TO TAKE COURSES TO IMPROVE CAREER OPPORTUNITIES IN THE FIELD OF EDUCATION	40	18

1
Page 48

8 = TO TAKE COURSES TO IMPROVE CAREER OPPORTUNITIES OUTSIDE THE FIELD OF EDUCATION	30	15
9 = SCHOOL STAFFING ACTION (E.G., REDUCTION-IN-FORCE, LAY OFF, SCHOOL CLOSING, SCHOOL REORGANIZATION, REASSIGNMENT)	38	19
10 = TO TAKE A SABBATICAL OR OTHER BREAK FROM TEACHING	51	32
11 = DISSATISFIED WITH TEACHING AS A CAREER	175	42
12 = OTHER FAMILY OR PERSONAL REASON	73	37
99 = NOT ANSWERED	1	1
BL = NOT APPLICABLE	4052	1656

TFS034 82 - 82 23C.
DID YOU HAVE A THIRD REASON FOR LEAVING?

1 = YES	314	132
2 = NO	402	154
9 = NOT ANSWERED	44	9
BL = NOT APPLICABLE	4052	1656

TFS035 83 - 84 23C. (1)
WHAT WAS YOUR THIRD REASON?

1 = FAMILY OR PERSONAL MOVE	14	6
2 = PREGNANCY/CHILD REARING	1	1
3 = HEALTH	23	4
4 = TO RETIRE	9	0

5 = TO PURSUE ANOTHER CAREER	36	19
6 = FOR BETTER SALARY OR BENEFITS	46	17
7 = TO TAKE COURSES TO IMPROVE CAREER OPPORTUNITIES IN THE FIELD OF EDUCATION	13	5
8 = TO TAKE COURSES TO IMPROVE CAREER OPPORTUNITIES OUTSIDE THE FIELD OF EDUCATION	9	9
9 = SCHOOL STAFFING ACTION (E.G., REDUCTION-IN-FORCE, LAY OFF, SCHOOL CLOSING, SCHOOL REORGANIZATION, REASSIGNMENT)	12	7
10 = TO TAKE A SABBATICAL OR OTHER BREAK FROM TEACHING	21	8
11 = DISSATISFIED WITH TEACHING AS A CAREER	87	31
12 = OTHER FAMILY OR PERSONAL REASON	40	24
99 = NOT ANSWERED	47	10
BL = NOT APPLICABLE	4454	1810

TFS036 85 - 85 23D.
CHECK ITEM: REASON CODE 11 "DISSATISFIED WITH TEACHING AS A CAREER"

1 = YES	412	120
2 = NO	1093	535
9 = NOT ANSWERED	48	14
BL = NOT APPLICABLE	3259	1282

TFS037 86 - 87 23E.
WHAT WAS YOUR MAIN AREA OF DISSATISFACTION WITH THE TEACHING PROFESSIONS? WAS IT -

1 = POOR OPPORTUNITY FOR PROFESSIONAL ADVANCEMENT	34	7
2 = INADEQUATE SUPPORT FROM		

ADMINISTRATION	131	32
3 = UNSAFE WORKING ENVIRONMENT	3	0
4 = LACK OF INFLUENCE OVER SCHOOL POLICIES AND PRACTICES	44	5
5 = LACK OF CONTROL OVER OWN CLASSROOM	11	1
6 = LACK OF PROFESSIONAL COMPETENCE OF COLLEAGUES	7	3
7 = POOR STUDENT MOTIVATION TO LEARN	75	16
8 = GENERALLY POOR WORKING CONDITIONS	22	7
9 = CLASS SIZES TOO LARGE	16	5
10 = STUDENT DISCIPLINE PROBLEM	37	18
11 = POOR SALARY	46	25
99 = NOT ANSWERED	34	15
BL = NOT APPLICABLE	4352	1817

TFS038 88 - 88 23F.
DID YOU HAVE A SECOND AREA OF DISSATISFACTION?

1 = YES	387	96
2 = NO	73	38
9 = NOT ANSWERED	0	0
BL = NOT APPLICABLE	4352	1817

TFS039 89 - 90 23F. (1)

1
Page 50

WHAT WAS YOUR SECOND AREA?

1 = FAMILY OR PERSONAL MOVE	23	9
2 = PREGNANCY/CHILD REARING	62	14
3 = HEALTH	3	0
4 = TO RETIRE	59	17
5 = TO PURSUE ANOTHER CAREER	21	1
6 = FOR BETTER SALARY OR BENEFITS	17	3
7 = TO TAKE COURSES TO IMPROVE CAREER OPPORTUNITIES IN THE FIELD OF		

```
          EDUCATION                                    54        8
     8 = TO TAKE COURSES TO IMPROVE CAREER
          OPPORTUNITIES OUTSIDE THE FIELD OF
          EDUCATION                                    30        9
     9 = SCHOOL STAFFING ACTION (E.G.,
          REDUCTION-IN-FORCE, LAY OFF SCHOOL
          CLOSING, SCHOOL REORGANIZATION,
          REASSIGNMENT)                                22        5
    10 = TO TAKE A SABBATICAL OR OTHER BREAK
          FROM TEACHING                                57        14
    11 = DISSATISFIED WITH TEACHING AS A
          CAREER                                       39        16
    99 = NOT ANSWERED                                  0         0
    BL = NOT APPLICABLE                                4425      1855


TFS040   91 - 91      23G.
                      DID YOU HAVE A THIRD AREA OF DISSATISFACTION?

     1 = YES                                           310       67
     2 = NO                                            72        28
     9 = NOT ANSWERED                                  5         1
    BL = NOT APPLICABLE                                4425      1855


TFS041   92 - 93      23G. (1)
                      WHAT WAS YOUR THIRD AREA?

     1 = FAMILY OR PERSONAL MOVE                       18        8
     2 = PREGNANCY/CHILD REARING                       23        8
     3 = HEALTH                                        10        1
     4 = TO RETIRE                                     40        6
     5 = TO PURSUE ANOTHER CAREER                      13        3
     6 = FOR BETTER SALARY OR
          BENEFITS                                     16        10
     7 = TO TAKE COURSES TO IMPROVE CAREER
          OPPORTUNITIES  IN THE FIELD OF
          EDUCATION                                    43        7
     8 = TO TAKE COURSES TO IMPROVE CAREER
          OPPORTUNITIES OUTSIDE THE FIELD OF
```

EDUCATION	31	1
9 = TO TAKE A SABBATICAL OR OTHER BREAK FROM TEACHING	32	4
10 = DISSATISFIED WITH TEACHING AS A CAREER	38	6
11 = OTHER FAMILY OR PERSONAL REASON	45	13
99 = NOT ANSWERED	6	1
BL = NOT APPLICABLE	4497	1883

TFS042 94 - 95 24A.
WHAT WOULD BE THE MOST EFFECTIVE STEP THAT SCHOOLS MIGHT TAKE TO ENCOURAGE TEACHERS TO REMAIN IN TEACHING? IS IT -

1 = PROVIDING HIGHER SALARIES OR BETTER FRINGE BENEFITS	728	327
2 = IMPROVING OPPORTUNITIES FOR PROFESSIONAL ADVANCEMENT	58	29
3 = DEALING MORE EFFECTIVELY WITH STUDENT DISCIPLINE AND MAKING SCHOOLS SAFER	169	81
4 = GIVING TEACHERS MORE AUTHORITY IN THE SCHOOL AND IN THEIR OWN CLASSROOMS	145	48
5 = INCREASING STANDARDS FOR STUDENTS' ACADEMIC PERFORMANCE	58	21
6 = PROVIDING BETTER RESOURCES AND MATERIALS FOR CLASSROOM USE	23	11
7 = DECREASING CLASS SIZE	94	23
8 = REDUCING THE PAPERWORK BURDEN ON TEACHERS	79	22
9 = PROVIDING MORE SUPPORT FOR NEW TEACHERS (E.G., MENTOR TEACHER PROGRAMS)	34	20
10 = INCREASING PARENT INVOLVEMENT IN THE SCHOOLS	30	17
11 = REDUCING TEACHER WORKLOAD	58	28
12 = PROVIDING MERIT PAY OR OTHER PAY INCENTIVES TO TEACHERS	33	16
13 = PROVIDING TEACHER TRAINING IN CONTENT AREAS AND INSTRUCTIONAL METHODS	20	12
99 = NOT ANSWERED	24	14
BL = NOT APPLICABLE	3259	1282

TFS043 96 - 97 24B.
WHAT WOULD BE THE SECOND MOST EFFECTIVE STEP?

1 = PROVIDING HIGHER SALARIES OR BETTER FRINGE BENEFITS	179	80

1
Page 52

2 = IMPROVING OPPORTUNITIES FOR PROFESSIONAL ADVANCEMENT	149	64
3 = DEALING MORE EFFECTIVELY WITH STUDENT DISCIPLINE AND MAKING SCHOOLS SAFER	187	97
4 = GIVING TEACHERS MORE AUTHORITY IN THE SCHOOL AND IN THEIR OWN CLASSROOMS	169	59
5 = INCREASING STANDARDS FOR STUDENTS' ACADEMIC PERFORMANCE	77	44
6 = PROVIDING BETTER RESOURCES AND MATERIALS FOR CLASSROOM USE	80	24
7 = DECREASING CLASS SIZE	179	64
8 = REDUCING THE PAPERWORK BURDEN ON TEACHERS	186	68
9 = PROVIDING MORE SUPPORT FOR NEW TEACHERS (E.G., MENTOR TEACHER PROGRAMS)	48	30
10 = INCREASING PARENT INVOLVEMENT IN THE SCHOOLS	67	30
11 = REDUCING TEACHER WORKLOAD	100	35
12 = PROVIDING MERIT PAY OR OTHER PAY INCENTIVES TO TEACHERS	54	32
13 = PROVIDING TEACHER TRAINING IN CONTENT AREAS AND INSTRUCTIONAL METHODS	29	19
99 = NOT ANSWERED	49	23
BL = NOT APPLICABLE	3259	1282

TFS044 98 - 99 24C.
WHAT WOULD BE THE THIRD MOST EFFECTIVE STEP?

1 = PROVIDING HIGHER SALARIES OR BETTER FRINGE BENEFITS	154	69
2 = IMPROVING OPPORTUNITIES FOR PROFESSIONAL ADVANCEMENT	94	33

3 = DEALING MORE EFFECTIVELY WITH STUDENT DISCIPLINE AND MAKING SCHOOLS SAFER	165	62
4 = GIVING TEACHERS MORE AUTHORITY IN THE SCHOOL AND IN THEIR OWN CLASSROOMS	128	48
5 = INCREASING STANDARDS FOR STUDENTS' ACADEMIC PERFORMANCE	77	38
6 = PROVIDING BETTER RESOURCES AND MATERIALS FOR CLASSROOM USE	81	33
7 = DECREASING CLASS SIZE	156	64
8 = REDUCING THE PAPERWORK BURDEN ON TEACHERS	186	66
9 = PROVIDING MORE SUPPORT FOR NEW TEACHERS (E.G., MENTOR TEACHER PROGRAMS)	70	31
10 = INCREASING PARENT INVOLVEMENT IN THE SCHOOLS	91	50

1

Page 53

11 = REDUCING TEACHER WORKLOAD	111	45
12 = PROVIDING MERIT PAY OR OTHER PAY INCENTIVES TO TEACHERS	67	53
13 = PROVIDING TEACHER TRAINING IN CONTENT AREAS AND INSTRUCTIONAL METHODS	68	34
99 = NOT ANSWERED	105	43
BL = NOT APPLICABLE	3259	1282

TFS045 100 - 100 25.
CHECK ITEM: IS YOUR PRIMARY OCCUPATIONAL STATUS "WORKING"?

1 = YES	622	319
2 = NO	892	340
9 = NOT ANSWERED	39	10
BL = NOT APPLICABLE	3259	1282

TFS046 101 - 101 26.
HOW WOULD YOU RATE TEACHING RELATIVE TO YOUR CURRENT PRIMARY OCCUPATION IN TERMS OF EACH OF THE FOLLOWING ASPECTS? IS IT (A) BETTER IN

TEACHING, (B) BETTER IN CURRENT POSITION, OR
(C) NO DIFFERENCE.

(1) SALARY

1 = BETTER IN TEACHING	228	93
2 = BETTER IN CURRENT POSITION	236	149
3 = NO DIFFERENCE	114	65
9 = NOT ANSWERED	83	22
BL = NOT APPLICABLE	4151	1622

TFS047 102 - 102 (2) OPPORTUNITIES FOR PROFESSIONAL ADVANCEMENT

1 = BETTER IN TEACHING	104	57
2 = BETTER IN CURRENT POSITION	348	162
3 = NO DIFFERENCE	121	81
9 = NOT ANSWERED	88	29
BL = NOT APPLICABLE	4151	1622

TFS048 103 - 103 (3) RECOGNITION AND SUPPORT FROM ADMINISTRATORS/
MANAGERS

1 = BETTER IN TEACHING	87	51
2 = BETTER IN CURRENT POSITION	335	139
3 = NO DIFFERENCE	143	11

1
Page 54

9 = NOT ANSWERED	96	28
BL = NOT APPLICABLE	4151	1622

TFS049 104 - 104 (4) SAFETY OF ENVIRONMENT

1 = BETTER IN TEACHING	94	37
2 = BETTER IN CURRENT POSITION	219	90
3 = NO DIFFERENCE	261	180
9 = NOT ANSWERED	87	22
BL = NOT APPLICABLE	4151	1622

TFS050 105 - 105 (5) INFLUENCE OVER WORKPLACE POLICIES AND PRACTICES

1 = BETTER IN TEACHING	73	71
2 = BETTER IN CURRENT POSITION	398	150
3 = NO DIFFERENCE	100	84
9 = NOT ANSWERED	90	24
BL = NOT APPLICABLE	4151	1622

TFS051 106 - 106 (6) AUTONOMY OR CONTROL OVER YOUR OWN WORK

1 = BETTER IN TEACHING	78	67
2 = BETTER IN CURRENT POSITION	405	162
3 = NO DIFFERENCE	93	79
9 = NOT ANSWERED	85	21
BL = NOT APPLICABLE	4151	1622

TFS052 107 - 107 (7) PROFESSIONAL PRESTIGE

1 = BETTER IN TEACHING	145	95
2 = BETTER IN CURRENT POSITION	322	128
3 = NO DIFFERENCE	103	83
9 = NOT ANSWERED	91	23
BL = NOT APPLICABLE	4151	1622

TFS053 108 - 108 (8) BENEFITS

1 = BETTER IN TEACHING	248	99
2 = BETTER IN CURRENT POSITION	157	116
3 = NO DIFFERENCE	170	89
9 = NOT ANSWERED	86	25
BL = NOT APPLICABLE	4151	1622

TFS054 109 - 109 (9) PROCEDURES FOR PERFORMANCE EVALUATION

1

Page 55

1 = BETTER IN TEACHING	125	73
2 = BETTER IN CURRENT POSITION	243	112

3 = NO DIFFERENCE	192	114
9 = NOT ANSWERED	101	30
BL = NOT APPLICABLE	4151	1622

TFS055 110 - 110 (10) MANAGEABILITY OF WORKLOAD

1 = BETTER IN TEACHING	108	45
2 = BETTER IN CURRENT POSITION	349	187
3 = NO DIFFERENCE	114	71
9 = NOT ANSWERED	90	26
BL = NOT APPLICABLE	4151	1622

TFS056 111 - 111 (11) AVAILABILITY OF RESOURCES AND MATERIALS FOR DOING JOB

1 = BETTER IN TEACHING	88	45
2 = BETTER IN CURRENT POSITION	272	144
3 = NO DIFFERENCE	207	113
9 = NOT ANSWERED	94	27
BL = NOT APPLICABLE	4151	1622

TFS057 112 - 112 (12) GENERAL WORK CONDITIONS

1 = BETTER IN TEACHING	73	36
2 = BETTER IN CURRENT POSITION	336	150
3 = NO DIFFERENCE	164	120
9 = NOT ANSWERED	88	23
BL = NOT APPLICABLE	4151	1622

TFS058 113 - 113 (13) JOB SECURITY

1 = BETTER IN TEACHING	247	76
2 = BETTER IN CURRENT POSITION	150	100
3 = NO DIFFERENCE	176	130
9 = NOT ANSWERED	88	23
BL = NOT APPLICABLE	4151	1622

TFS059 114 - 114 (14) PROFESSIONAL CALIBER OF COLLEAGUES

1 = BETTER IN TEACHING	144	109
2 = BETTER IN CURRENT POSITION	199	78

3 = NO DIFFERENCE	224	116
9 = NOT ANSWERED	94	26
BL = NOT APPLICABLE	4151	1622

1
Page 56

TFS060 115 - 115 (15) INTELLECTUAL CHALLENGE

1 = BETTER IN TEACHING	166	133
2 = BETTER IN CURRENT POSITION	294	96
3 = NO DIFFERENCE	133	77
9 = NOT ANSWERED	88	23
BL = NOT APPLICABLE	4151	1622

TFS061 116 - 116 (16) OVERALL JOB SATISFACTION

1 = BETTER IN TEACHING	123	79
2 = BETTER IN CURRENT POSITION	356	156
3 = NO DIFFERENCE	93	71
9 = NOT ANSWERED	89	23
BL = NOT APPLICABLE	4151	1622

TFS062 117 - 117 27.
HOW SATISFIED ARE YOU WITH EACH OF THE
FOLLOWING ASPECTS OF YOUR CURRENT JOB? ARE YOU
(A) VERY SATISFIED, (B) SOMEWHAT SATISFIED, (C)
SOMEWHAT DISSATISFIED, OR (D) VERY DISSATISFIED
WITH -

(1) SALARY

1 = VERY SATISFIED	105	65
2 = SOMEWHAT SATISFIED	279	143
3 = SOMEWHAT DISSATISFIED	117	70
4 = VERY DISSATISFIED	78	24
9 = NOT ANSWERED	82	27
BL = NOT APPLICABLE	4151	1622

TFS063 118 - 118 (2) BENEFITS

1 = VERY SATISFIED	132	82
2 = SOMEWHAT SATISFIED	240	120
3 = SOMEWHAT DISSATISFIED	113	51
4 = VERY DISSATISFIED	91	47
9 = NOT ANSWERED	85	29
BL = NOT APPLICABLE	4151	1622

TFS064 119 - 119 (3) OPPORTUNITY FOR PROFESSIONAL ADVANCEMENT

1 = VERY SATISFIED	188	91
2 = SOMEWHAT SATISFIED	260	143
3 = SOMEWHAT DISSATISFIED	75	42
4 = VERY DISSATISFIED	46	24

1

9 = NOT ANSWERED	92	29
BL = NOT APPLICABLE	4151	1622

TFS065 120 - 120 (4) SUPPORT/RECOGNITION OF ADMINISTRATORS/MANAGERS

1 = VERY SATISFIED	249	121
2 = SOMEWHAT SATISFIED	239	130
3 = SOMEWHAT DISSATISFIED	51	33
4 = VERY DISSATISFIED	23	15
9 = NOT ANSWERED	99	30
BL = NOT APPLICABLE	4151	1622

TFS066 121 - 121 (5) SAFETY OF ENVIRONMENT

1 = VERY SATISFIED	305	174
2 = SOMEWHAT SATISFIED	224	114
3 = SOMEWHAT DISSATISFIED	38	15
4 = VERY DISSATISFIED	13	2
9 = NOT ANSWERED	81	24
BL = NOT APPLICABLE	4151	1622

TFS067 122 - 122 (6) YOUR INFLUENCE OVER WORK POLICIES AND PRACTICES

1 = VERY SATISFIED	232	120
2 = SOMEWHAT SATISFIED	258	128
3 = SOMEWHAT DISSATISFIED	61	46
4 = VERY DISSATISFIED	0	8
9 = NOT ANSWERED	89	27
BL = NOT APPLICABLE	4151	1622

TFS068 123 - 123 (7) AUTONOMY OR CONTROL OVER YOUR OWN WORK

1 = VERY SATISFIED	325	169
2 = SOMEWHAT SATISFIED	207	105
3 = SOMEWHAT DISSATISFIED	37	21
4 = VERY DISSATISFIED	10	10
9 = NOT ANSWERED	82	24
BL = NOT APPLICABLE	4151	1622

TFS069 124 - 124 (8) PROFESSIONAL CALIBER OF COLLEAGUES

1 = VERY SATISFIED	260	111
2 = SOMEWHAT SATISFIED	225	121
3 = SOMEWHAT DISSATISFIED	68	46
4 = VERY DISSATISFIED	19	20
9 = NOT ANSWERED	89	31

1
Page 58

BL = NOT APPLICABLE	4151	1622

TFS070 125 - 125 (9) THE ESTEEM OF SOCIETY FOR YOUR PROFESSION

1 = VERY SATISFIED	184	89
2 = SOMEWHAT SATISFIED	220	130
3 = SOMEWHAT DISSATISFIED	116	63
4 = VERY DISSATISFIED	56	23
9 = NOT ANSWERED	85	24
BL = NOT APPLICABLE	4151	1622

TFS071 126 - 126 (10) PROCEDURES FOR EVALUATING YOUR PERFORMANCE

1 = VERY SATISFIED	176	94
2 = SOMEWHAT SATISFIED	284	148
3 = SOMEWHAT DISSATISFIED	82	42
4 = VERY DISSATISFIED	21	15
9 = NOT ANSWERED	98	30
BL = NOT APPLICABLE	4151	1622

TFS072 127 - 127 (11) WORKLOAD

1 = VERY SATISFIED	209	123
2 = SOMEWHAT SATISFIED	256	139
3 = SOMEWHAT DISSATISFIED	89	35
4 = VERY DISSATISFIED	23	9
9 = NOT ANSWERED	84	23
BL = NOT APPLICABLE	4151	1622

TFS073 128 - 128 (12) AVAILABILITY OF RESOURCES AND MATERIALS/EQUIPMENT FOR DOING JOB

1 = VERY SATISFIED	235	141
2 = SOMEWHAT SATISFIED	255	127
3 = SOMEWHAT DISSATISFIED	69	30
4 = VERY DISSATISFIED	15	7
9 = NOT ANSWERED	87	24
BL = NOT APPLICABLE	4151	1622

TFS074 129 - 129 (13) GENERAL WORKING CONDITIONS

1 = VERY SATISFIED	297	157
2 = SOMEWHAT SATISFIED	241	129
3 = SOMEWHAT DISSATISFIED	34	16
4 = VERY DISSATISFIED	8	4
9 = NOT ANSWERED	4151	1622

1

BL = NOT APPLICABLE	81	23

TFS075 130 - 130 (14) JOB SECURITY

1 = VERY SATISFIED	205	125
2 = SOMEWHAT SATISFIED	249	120
3 = SOMEWHAT DISSATISFIED	78	40
4 = VERY DISSATISFIED	44	19
9 = NOT ANSWERED	85	25
BL = NOT APPLICABLE	4151	1622

TFS076 131 - 131 (15) INTELLECTUAL CHALLENGE

1 = VERY SATISFIED	270	119
2 = SOMEWHAT SATISFIED	199	106
3 = SOMEWHAT DISSATISFIED	77	55
4 = VERY DISSATISFIED	29	25
9 = NOT ANSWERED	86	24
BL = NOT APPLICABLE	4151	1622

TFS077 132 - 132 28.
WHAT IS YOUR CURRENT MARITAL STATUS?

1 = MARRIED	1173	482
2 = WIDOWED, DIVORCED, OR SEPARATED	184	45
3 = NEVER MARRIED	184	138
9 = NOT ANSWERED	12	4
BL = NOT APPLICABLE	3259	1282

TFS078 133 - 134 29.
HOW MANY CHILDREN DO YOU HAVE WHO ARE DEPENDENT ON YOU (AND YOUR SPOUSE) FOR MORE THAN HALF OF THEIR FINANCIAL SUPPORT?

0 - 20 = NUMBER OF CHILDREN

Maximum	9	7
Minimum	0	0
Mean	0.961	1.093
Standard Dev	1.205	1.279
99 = NOT ANSWERED	18	11
BL = NOT APPLICABLE	3259	1282

TFS079 135 - 136 30.

1
Page 60

WHAT WAS THE AGE OF YOUR YOUNGEST CHILD ON
HIS/HER BIRTHDAY?

0 - 60 = YEARS

Maximum	35	32
Minimum	0	0
Mean	7.077	6.394
Standard Dev	7.179	6.411
99 = NOT ANSWERED	23	10
BL = NOT APPLICABLE	4032	1588

TFS080 137 - 137 31.
DO YOU HAVE PERSONS OTHER THAN YOUR SPOUSE OR
CHILDREN WHO ARE DEPENDENT ON YOU FOR MORE THAN
HALF OF THEIR FINANCIAL SUPPORT?

1 = YES	41	21
2 = NO	1484	633
9 = NOT ANSWERED	28	15
BL = NOT APPLICABLE	3259	1282

TFS081 138 - 139 HOW MANY PERSONS?

0 - 20 = PERSONS

Maximum	3	5
Minimum	1	1
Mean	1.316	1.474
Standard Dev	0.619	0.964
99 = NOT ANSWERED	31	17
BL = NOT APPLICABLE	4743	1915

TFS082 140 - 141 32.

WHICH CATEGORY REPRESENTS THE TOTAL COMBINED
INCOME OF ALL FAMILY MEMBERS IN YOUR HOUSEHOLD
DURING 1988? THIS INCLUDES MONEY FROM JOBS, NET
BUSINESS OR FARM INCOME, PENSIONS, DIVIDENDS,
INTEREST, RENT, SOCIAL SECURITY PAYMENTS, AND
ANY OTHER INCOME RECEIVED BY FAMILY MEMBERS IN
YOUR HOUSEHOLD WHO ARE 14 YEARS OF AGE OR
OLDER. IS IT -

1 = LESS THAN $10,000	22	39
2 = $10,000-$14,999	60	67
3 = $15,000-$19,999	96	58

1

4 = $20,000-$24,999	121	53
5 = $25,000-$29,999	163	57
6 = $30,000-$34,999	172	68
7 = $35,000-39,999	158	67
8 = $40,000-49,999	224	82
9 = $50,000-$59,999	188	50
10 = $60,000-$74,999	139	42
11 = $75,000-$99,999	86	15
12 = $100,000 OR MORE	45	21
99 = NOT ANSWERED	79	50
BL = NOT APPLICABLE	3259	1282

BLANK 142 - 143 BLANK

BLANK 144 - 146 BLANK

TFS104 147 - 147 1.
OF THE FOLLOWING, WHICH IS YOUR CURRENT
(1988-89) PRIMARY STATUS AND WHICH, IF ANY, IS
YOUR CURRENT SECONDARY STATUS? PRIMARY AND
SECONDARY STATUS IS DEFINED IN TERMS OF THE
AMOUNT OF TIME YOU SPEND ON EACH DURING THE
NORMAL WORK WEEK. IF YOUR TIME IS EQUALLY
DIVIDED BETWEEN TWO OCCUPATIONS OR ACTIVITIES,
E.G., YOU ARE RETIRED BUT HAVE RETURNED HALF

TIME TO TEACHING, LIST EITHER ONE AS PRIMARY
AND THE OTHER AS SECONDARY.

PRIMARY STATUS

1 = TEACHING IN AN ELEMENTARY OR SECONDARY SCHOOL	2918	1131
2 = WORKING IN AN ELEM. OR SECOND. SCHOOL OTHER THAN TEACHING	50	21
3 = WORKING IN AN OCCUPATION OUTSIDE OF ELEM. OR SECON. EDUCATION	6	9
4 = ATTENDING A COLLEGE OR UNIVERSITY	4	4
5 = HOMEMAKING AND/OR CHILD REARING	29	23
6 = RETIRED	3	2
7 = OTHER	0	0
9 = NOT ANSWERED	249	92
BL = NOT APPLICABLE	1553	669

TFS105 148 - 148 SECONDARY STATUS

1
Page 62

1 = TEACHING IN AN ELEMENTARY OR SECONDARY SCHOOL	85	54
2 = WORKING IN AN ELEM. OR SECOND. SCHOOL OTHER THAN TEACHING	121	70
3 = WORKING IN AN OCCUPATION OUTSIDE OF ELEM. OR SECON. EDUCATION	124	46
4 = ATTENDING A COLLEGE OR UNIVERSITY	171	64
5 = HOMEMAKING AND/OR CHILD REARING	570	225
6 = RETIRED	7	1
7 = OTHER	62	27
BL = NOT APPLICABLE	0	0

TFS106 149 - 149 CHECK HERE IF TIME IS EQUALLY DIVIDED BETWEEN
PRIMARY AND SECONDARY STATUS

```
     1 = TIME EQUALLY DIVIDED                          153       73
     BL = NOT APPLICABLE                               0         0


TFS107   150 - 150    2.
                      WHICH OF THE FOLLOWING CATEGORIES DESCRIBES
                      YOUR POSITION AS A (1988-89) SCHOOL EMPLOYEE?

     1 = FULL-TIME EMPLOYEE                            3081      1109
     2 = 3/4 TIME OR MORE, BUT LESS THAN
          FULL-TIME EMPLOYEE                           36        39
     3 = 1/2 TIME OR MORE, BUT LESS THAN 3/4
          TIME EMPLOYEE                                87        81
     4 = 1/4 TIME OR MORE, BUT LESS THAN 1/2
          TIME EMPLOYEE                                24        35
     5 = LESS THAN 1/4 TIME EMPLOYEE                   25        12
     9 = NOT ANSWERED                                  6         6
     BL = NOT APPLICABLE                               1553      669


TFS108   151 - 151    3A.
                      WHICH OF THE FOLLOWING CATEGORIES DESCRIBES
                      YOUR POSITION AS A (1988-89) TEACHER AT YOUR
                      SCHOOL?

     1 = FULL-TIME TEACHER                             3023      1077
     2 = 3/4 TIME OR MORE, BUT LESS THAN
          FULL-TIME TEACHER                            53        48
     3 = 1/2 TIME OR MORE, BUT LESS THAN 3/4
          TIME TEACHER                                 108       94
     4 = 1/4 TIME OR MORE, BUT LESS THAN 1/2
          TIME TEACHER                                 32        40
     5 = LESS THAN 1/4 TIME TEACHER                    41        19


1
                                        Page 63


     9 = NOT ANSWERED                                  2         4
     BL = NOT APPLICABLE                               1553      669


TFS109   152 - 152    3B.
                      WHICH OF THE FOLLOWING CATEGORIES BEST
```

DESCRIBES YOUR (1988-89) TEACHING ASSIGNMENT?

1 = REGULAR FULL-TIME OR PART-TIME TEACHER	3022	1191
2 = ITINERANT TEACHER	170	43
3 = LONG TERM SUBSTITUTE	55	37
9 = NOT ANSWERED	12	11
BL = NOT APPLICABLE	1553	669

TFS110 153 - 153 4.
IF YOU ARE A FULL-TIME SCHOOL OR DISTRICT EMPLOYEE WITH LESS THAN A FULL-TIME TEACHING ASSIGNMENT, WHICH OF THE FOLLOWING CATEGORIES BEST DESCRIBES YOUR OTHER SCHOOL ASSIGNMENT?

1 = ADMINISTRATOR	27	35
2 = NONTEACHING SPECIALIST	27	17
3 = RESOURCE PERSON FOR OTHER TEACHERS	63	19
4 = SUPPORT STAFF	6	6
5 = COACH	54	18
6 = OTHER	36	24
9 = NOT ANSWERED	3046	1163
BL = NOT APPLICABLE	1553	669

TFS111 154 - 155 5A.
WHAT IS YOUR CURRENT (1988-1989) PRIMARY TEACHING ASSIGNMENT FIELD AT THIS SCHOOL, THAT IS, THE FIELD IN WHICH YOU TEACH THE MOST CLASSES?

1 = PRE-KINDERGARTEN	17	22
2 = KINDERGARTEN	159	78
3 = GENERAL ELEMENTARY	963	493
SPECIAL AREAS		
4 = ART	88	37
5 = BASIC SKILLS AND REMEDIAL EDUCATION	32	14
6 = BILINGUAL EDUCATION	18	5
7 = BUSINESS EDUCATION	42	4
8 = COMPUTER SCIENCE	18	12
9 = ENGLISH/LANGUAGE ARTS	214	93

1
Page 64

10 = ENGLISH AS A SECOND LANGUAGE	26	1
11 = FOREIGN LANGUAGE	61	43
12 = GIFTED	31	5
13 = HEALTH, PHYSICAL EDUCATION	156	50
14 = HOME ECONOMICS	51	8
15 = INDUSTRIAL ARTS	36	66
16 = MATHEMATICS	200	47
17 = MUSIC	156	26
18 = READING	70	31
19 = RELIGION/PHILOSOPHY	0	0
20 = SOCIAL STUDIES/SOCIAL SCIENCE	163	69
SCIENCE		
21 = BIOLOGY	55	20
22 = CHEMISTRY	19	8
23 = EARTH SCIENCE/GEOLOGY	29	10
24 = PHYSICS	9	6
25 = GENERAL AND ALL OTHER SCIENCE	79	31
SPECIAL EDUCATION		
26 = MENTALLY RETARDED	77	13
27 = EMOTIONALLY DISTURBED	57	24
28 = LEARNING DISABLED	204	29
29 = SPEECH AND HEARING IMPAIRED	56	8
30 = OTHER SPECIAL EDUCATION	48	10
31 = VOCATIONAL EDUCATION	67	3
32 = ALL OTHERS	54	14
99 = NOT ANSWERED	4	2

TFS112 156 - 156 TEACHING SCHEDULE EQUALLY DIVIDED ACROSS TWO FIELDS

1 = SCHEDULE EQUALLY DIVIDED	94	61
BL = NOT APPLICABLE	0	0

TFS113 157 - 157 5B.

DO YOU HAVE A SECONDARY TEACHING ASSIGNMENT FIELD AT THIS SCHOOL, THAT IS, ARE SOME OF YOUR CLASSES IN OTHER FIELDS?

1 = YES	577	335
2 = NO	2632	924
9 = NOT ANSWERED	50	23
BL = NOT APPLICABLE	1553	669

1

Page 65

TFS114 158 - 159 IN WHAT FIELD DO YOU TEACH THE SECOND MOST CLASSES?

1 = PRE-KINDERGARTEN	1	6
2 = KINDERGARTEN	5	6
3 = GENERAL ELEMENTARY	13	13
SPECIAL AREAS		
4 = ART	10	6
5 = BASIC SKILLS AND REMEDIAL EDUCATION	14	7
6 = BILINGUAL EDUCATION	3	1
7 = BUSINESS EDUCATION	6	3
8 = COMPUTER SCIENCE	22	12
9 = ENGLISH/LANGUAGE ARTS	49	29
10 = ENGLISH AS A SECOND LANGUAGE	4	2
11 = FOREIGN LANGUAGE	27	7
12 = GIFTED	12	1
13 = HEALTH, PHYSICAL EDUCATION	56	25
14 = HOME ECONOMICS	4	2
15 = INDUSTRIAL ARTS	2	1
16 = MATHEMATICS	43	28
17 = MUSIC	5	10
18 = READING	35	22
19 = RELIGION/PHILOSOPHY	1	27
20 = SOCIAL STUDIES/SOCIAL SCIENCE	33	33
SCIENCE		

21 = BIOLOGY	21	7
22 = CHEMISTRY	17	6
23 = EARTH SCIENCE/GEOLOGY	12	5
24 = PHYSICS	15	4
25 = GENERAL AND ALL OTHER SCIENCE	34	30
SPECIAL EDUCATION		
26 = MENTALLY RETARDED	10	5
27 = EMOTIONALLY DISTURBED	118	4
28 = LEARNING DISABLED	24	9
29 = SPEECH AND HEARING IMPAIRED	3	1
30 = OTHER SPECIAL EDUCATION	16	3
31 = VOCATIONAL EDUCATION	7	1
32 = ALL OTHERS	53	17
99 = NOT ASCERTAINABLE	52	25
BL = NOT APPLICABLE	4185	1593

1
Page 66

TFS115 160 - 160 6A. (1)
DO YOU HAVE A TEACHING CERTIFICATE IN THIS STATE IN YOUR PRIMARY ASSIGNMENT FIELD?

1 = YES	3142	927
2 = NO	112	345
9 = NOT ANSWERED	5	10
BL = NOT APPLICABLE	1553	669

TFS116 161 - 161 6B. (1)
WHAT TYPE OF CERTIFICATION DO YOU HOLD IN YOUR PRIMARY ASSIGNMENT FIELD? IS IT -

1 = REGULAR OR STANDARD STATE CERTIFICATION	2527	657
2 = PROBATIONARY CERTIFICATION	131	32
3 = TEMPORARY, PROVISIONAL, OR EMERGENCY CERTIFICATION	256	132

4 = FULL CERTIFICATION - ACCRED./CERTIFIED BY BODY OTHER THAN STATE	45	57
9 = NOT ANSWERED	188	59
BL = NOT APPLICABLE	1665	1014

TFS117 162 - 162 6C. (1)
WAS THIS CERTIFICATE GRANTED WITHIN THE LAST YEAR?

1 = YES	380	192
2 = NO	2668	705
9 = NOT ANSWERED	99	40
BL = NOT APPLICABLE	1665	1014

TFS118 163 - 163 6A. (2)
DO YOU HAVE A TEACHING CERTIFICATE IN THIS STATE IN YOUR SECONDARY ASSIGNMENT FIELD, IF ANY?

1 = YES	406	137
2 = NO	152	183
9 = NOT ANSWERED	69	38
BL = NOT APPLICABLE	4185	1593

TFS119 164 - 164 6B. (2)
WHAT TYPE OF CERTIFICATION DO YOU HOLD IN YOUR SECONDARY ASSIGNMENT FIELD?

1

Page 67

1 = REGULAR OR STANDARD STATE CERTIFICATION	315	90
2 = PROBATIONARY CERTIFICATION	16	3
3 = TEMPORARY, PROVISIONAL, OR EMERGENCY CERTIFICATION	34	14
4 = FULL CERTIFICATION - ACCRED./CERTIFIED BY BODY OTHER THAN STATE	13	18

9 = NOT ANSWERED	97	50
BL = NOT APPLICABLE	4337	1776

TFS120 165 - 165 6C. (2)
WAS THIS CERTIFICATE GRANTED WITHIN THE LAST YEAR?

1 = YES	63	29
2 = NO	333	101
9 = NOT ANSWERED	79	45
BL = NOT APPLICABLE	4337	1776

TFS121a 166 - 166 7.
IN WHAT GRADE LEVELS ARE THE STUDENTS IN YOUR CLASSES AT THIS SCHOOL?

0 =	4708	1872
1 = PRE-KINDERGARTEN	96	76
9 = NOT ANSWERED	8	3

TFS121b 167 - 167

0 =	4294	1730
1 = KINDERGARTEN	510	218
9 = NOT ANSWERED	8	3

TFS121c 168 - 168

0 =	4109	1656
1 = 1ST GRADE	695	292
9 = NOT ANSWERED	8	3

TFS121d 169 - 169

0 =	4098	1649

1

```
     1 = 2ND GRADE                                    706       299
     9 = NOT ANSWERED                                 8         3


TFS121e  170 - 170

     0 =                                              4098      1640
     1 = 3RD GRADE                                    706       308
     9 = NOT ANSWERED                                 8         3


TFS121f  171 - 171

     0 =                                              4100      1626
     1 = 4TH GRADE                                    704       322
     9 = NOT ANSWERED                                 8         3


TFS122a  172 - 172

     0 =                                              4092      1619
     1 = 5TH GRADE                                    712       329
     9 = NOT ANSWERED                                 8         3


TFS122b  173 - 173

     0 =                                              4103      1620
     1 = 6TH GRADE                                    701       328
     9 = NOT ANSWERED                                 8         3


TFS122c  174 - 174

     0 =                                              4142      1601
     1 = 7TH GRADE                                    662       347
     9 = NOT ANSWERED                                 8         3


TFS123   175 - 176

     0 =                                              2548      927
     1 = 8TH GRADE                                    703       352
```

9 = NOT ANSWERED	8	3
BL = NOT APPLICABLE	1553	669

TFS124 177 - 178

0 =	2369	1001
1 = 9TH GRADE	882	278

1

9 = NOT ANSWERED	8	3
BL = NOT APPLICABLE	1553	669

TFS125 179 - 180

0 =	2358	996
1 = 10TH GRADE	893	283
9 = NOT ANSWERED	8	3
BL = NOT APPLICABLE	1553	669

TFS126 181 - 182

0 =	2363	1006
1 = 11TH GRADE	888	273
9 = NOT ANSWERED	8	3
BL = NOT APPLICABLE	1553	669

TFS127 183 - 184

0 =	2376	1010
1 = 12TH GRADE	875	269
9 = NOT ANSWERED	8	3
BL = NOT APPLICABLE	1553	669

TFS128 185 - 186

0 =	3228	1274
1 = 13TH GRADE	23	5

9 = NOT ANSWERED	8	3
BL = NOT APPLICABLE	1553	669

TFS129 187 - 188

0 =	3233	1279
1 = 14TH GRADE	0	18
9 = NOT ANSWERED	8	3
BL = NOT APPLICABLE	1553	669

TFS130 189 - 190

0 =	3157	1251
1 = UNGRADED	94	28
9 = NOT ANSWERED	8	3
BL = NOT APPLICABLE	1553	669

1
Page 70

TFS131 191 - 192 8.
WHICH OF THE FOLLOWING BEST DESCRIBES THE COMMUNITY IN WHICH YOUR PRESENT (1988-89) SCHOOL IS LOCATED?

1 = A RURAL OR FARMING COMMUNITY	788	151
2 = SMALL CITY/TOWN < 50,000 PEOPLE NOT A SUBURB OF A LARGER CITY	895	262
3 = A MEDIUM-SIZED CITY (50,000 TO 100,000 PEOPLE)	399	177
4 = A SUBURB OF A MEDIUM-SIZED CITY	139	58
5 = A LARGE CITY (100,000 TO 500,000 PEOPLE)	384	216
6 = A SUBURB OF A LARGE CITY	271	145
7 = A VERY LARGE CITY (OVER 500,000 PEOPLE)	188	147
8 = A SUBURB OF A VERY LARGE CITY	150	106
9 = A MILITARY BASE OR STATION	7	2

10 = AN INDIAN RESERVATION	6	0
99 = NOT ANSWERED	32	18
BL = NOT APPLICABLE	1553	669

TFS132 193 - 193 9.
ARE YOU CURRENTLY TEACHING IN THE SAME SCHOOL AS YOU WERE LAST YEAR (1987-88) WHEN YOU COMPLETED THE TEACHER SURVEY?

1 = YES	2075	715
2 = NO	1180	565
9 = NOT ANSWERED	4	2
BL = NOT APPLICABLE	1553	669

TFS133 194 - 194 10.
ARE YOU CURRENTLY TEACHING IN THE SAME STATE AS YOU WERE LAST YEAR (1987-88) WHEN YOU COMPLETED THE TEACHER SURVEY?

1 = YES	982	417
2 = NO	197	148
9 = NOT ANSWERED	5	2
BL = NOT APPLICABLE	3628	1384

TFS134 195 - 196 IN WHICH STATE OR COUNTRY ARE YOU TEACHING NOW?

01 = Alabama	5	5

1

Page 71

02 = Alaska	2	0
04 = Arizona	11	0
05 = Arkansas	1	3
06 = California	11	10
08 = Colorado	1	4
09 = Connecticut	0	3
10 = Delaware	1	1
11 = District of Columbia	1	1
12 = Florida	13	3
13 = Georgia	6	5

15 = Hawaii	4	0
16 = Idaho	1	0
17 = Illinois	3	5
18 = Indiana	3	5
19 = Iowa	7	4
20 = Kansas	2	2
21 = Kentucky	2	2
22 = Louisiana	7	1
23 = Maine	2	0
24 = Maryland	2	5
25 = Massachusetts	3	5
26 = Michigan	1	3
27 = Minnesota	8	3
28 = Mississippi	2	0
29 = Missouri	5	3
30 = Montana	1	1
31 = Nebraska	2	1
32 = Nevada	2	0
33 = New Hampshire	1	3
34 = New Jersey	3	4
35 = New Mexico	3	2
36 = New York	4	12
37 = North Carolina	5	2
38 = North Dakota	1	0
39 = Ohio	6	9
40 = Oklahoma	4	1
41 = Oregon	4	1
42 = Pennsylvania	1	2
44 = Rhode Island	4	11
45 = South Carolina	0	1
46 = South Dakota	1	1
47 = Tennessee	1	0
48 = Texas	14	12
49 = Utah	2	0
50 = Vermont	6	0
51 = Virginia	9	3
53 = Washington	3	3
54 = West Virginia	2	0
55 = Wisconsin	3	2
56 = Wyoming	4	0
59 = Outside of U.S.	0	0

99 = NOT ANSWERED	14	9
BL = NOT APPLICABLE	4610	1801

TFS135 197 - 197 11.
WHICH OF THE FOLLOWING BEST DESCRIBES YOUR MOVE FROM LAST YEAR'S (1987-88) SCHOOL TO THIS YEAR'S (1988-89) SCHOOL?

1 = MOVED FROM ONE PUBLIC SCHOOL TO ANOTHER IN SAME SCHOOL DISTRICT	523	3
2 = MOVED FROM ONE PUBLIC SCH. DISTR. TO ANOTHER PUBLIC SCH. DISTR.	588	11
3 = MOVED FROM A PRIVATE SCHOOL TO A PUBLIC SCHOOL	6	265
4 = MOVED FROM ONE PRIVATE SCHOOL TO ANOTHER PRIVATE SCHOOL	0	274
5 = MOVED FROM A PUBLIC SCHOOL TO A PRIVATE SCHOOL	48	6
9 = NOT ANSWERED	19	8
BL = NOT APPLICABLE	3628	1384

TFS136 198 - 198 12.
IS THE PRIVATE SCHOOL IN WHICH YOU CURRENTLY (1988-89) TEACH AFFILIATED WITH THE ROMAN CATHOLIC CHURCH OR ANOTHER RELIGIOUS ORGANIZATION, OR IS IT NON-RELIGIOUS?

1 = RELIGIOUS - ROMAN CATHOLIC	15	113
2 = RELIGIOUS - NON-ROMAN CATHOLIC	14	104
3 = NON-RELIGIOUS	21	69
9 = NOT ANSWERED	17	2
BL = NOT APPLICABLE	4745	1663

TFS137 199 - 199 13A.
WHAT WAS YOUR MAIN REASON FOR LEAVING THE SCHOOL IN WHICH YOU TAUGHT LAST YEAR (1987-88)? IS IT -

1 = FAMILY OR PERSONAL MOVE	387	160
2 = FOR BETTER SALARY OR BENEFITS	91	169

3 = FOR A BETTER TEACHING ASSIGNMENT	196	63
4 = SCHOOL STAFFING ACTION	368	88
5 = DISSATISFIED WITH THE PREVIOUS SCHOOL	123	80
9 = NOT ANSWERED	19	7

1

Page 73

BL = NOT APPLICABLE	3628	1384

TFS138 200 - 200 13B.
DID YOUR HAVE A SECOND REASON FOR LEAVING?

1 = YES	361	237
2 = NO	822	330
9 = NOT ANSWERED	567	1
BL = NOT APPLICABLE	3628	1384

TFS139 201 - 201 WHAT WAS YOUR SECOND REASON?

1 = FAMILY OR PERSONAL MOVE	57	28
2 = FOR BETTER SALARY OR BENEFITS	71	90
3 = FOR A BETTER TEACHING ASSIGNMENT	102	52
4 = SCHOOL STAFFING ACTION	24	14
5 = DISSATISFIED WITH THE PREVIOUS SCHOOL	104	52
9 = NOT ANSWERED	4	1
BL = NOT APPLICABLE	4450	1714

TFS140 202 - 202 13C.
DID YOU HAVE A THIRD REASON FOR LEAVING?

1 = YES	116	79
2 = NO	228	146
9 = NOT ANSWERED	18	12
BL = NOT APPLICABLE	4450	1714

TFS141 203 - 203 WHAT WAS YOUR THIRD REASON?

1 = FAMILY OR PERSONAL MOVE	21	14
2 = FOR BETTER SALARY OR BENEFITS	15	15
3 = FOR A BETTER TEACHING ASSIGNMENT	38	27
4 = SCHOOL STAFFING ACTION	6	3
5 = DISSATISFIED WITH THE PREVIOUS SCHOOL	35	19
9 = NOT ANSWERED	19	13
BL = NOT APPLICABLE	4678	1860

TFS142 204 - 204 13D.
CHECK ITEM - REASON CODE 5 "DISSATISFIED WITH

1
Page 74

THE PREVIOUS SCHOOL" SELECTED FOR ANY OF ITEMS
13A, B, OR C?

1 = YES	265	153
2 = NO	878	401
9 = NOT ANSWERED	41	13
BL = NOT APPLICABLE	3628	1384

TFS143 205 - 206 13E.
WHAT WAS YOUR MAIN AREA OF DISSATISFACTION WITH
TEACHING IN YOUR PREVIOUS (1987-88) SCHOOL? WAS
IT -

1 = POOR OPPORTUNITY FOR PROFESSIONAL ADVANCEMENT	23	13
2 = INADEQUATE SUPPORT FROM ADMINISTRATION	130	70
3 = UNSAFE WORKING ENVIRONMENT	4	0
4 = LACK OF INFLUENCE OVER SCHOOL POLICIES AND PRACTICES	13	6
5 = LACK OF CONTROL OVER OWN CLASSROOM	17	14

6 = LACK OF PROFESSIONAL COMPETENCE OF COLLEAGUES	20	2
7 = POOR STUDENT MOTIVATION TO LEARN	23	7
8 = GENERALLY POOR WORKING CONDITIONS	16	1
9 = CLASS SIZES TOO LARGE	10	5
10 = STUDENT DISCIPLINE PROBLEMS	10	34
11 = POOR SALARY	0	0
99 = NOT ANSWERED	37	14
BL = NOT APPLICABLE	4506	1785

TFS144 207 - 207 13F.
DID YOU HAVE A SECOND AREA OF DISSATISFACTION?

1 = YES	214	124
2 = NO	92	42
9 = NOT ANSWERED	0	0
BL = NOT APPLICABLE	4506	1785

TFS145 208 - 209 WHAT WAS YOUR SECOND AREA?

1 = POOR OPPORTUNITY FOR PROFESSIONAL ADVANCEMENT	18	19
2 = INADEQUATE SUPPORT FROM		

1

Page 75

ADMINISTRATION	40	24
3 = UNSAFE WORKING ENVIRONMENT	8	2
4 = LACK OF INFLUENCE OVER SCHOOL POLICIES AND PRACTICES	30	23
5 = LACK OF CONTROL OVER OWN CLASSROOM	0	2
6 = LACK OF PROFESSIONAL COMPETENCE OF COLLEAGUES	25	11
7 = POOR STUDENT MOTIVATION TO LEARN	23	4
8 = GENERALLY POOR WORKING CONDITIONS	15	8

9 = CLASS SIZES TOO LARGE	14	2
10 = STUDENT DISCIPLINE PROBLEMS	30	14
11 = POOR SALARY	9	15
99 = NOT ANSWERED	124	2
BL = NOT APPLICABLE	4598	1827

TFS146 210 - 210 13G.
DID YOU HAVE A THIRD AREA OF DISSATISFACTION?

1 = YES	132	90
2 = NO	77	32
9 = NOT ANSWERED	5	2
BL = NOT APPLICABLE	4598	1827

TFS147 211 - 212 WHAT WAS YOUR THIRD AREA?

1 = POOR OPPORTUNITY FOR PROFESSIONAL ADVANCEMENT	11	8
2 = INADEQUATE SUPPORT FROM ADMINISTRATION	15	8
3 = UNSAFE WORKING ENVIRONMENT	8	3
4 = LACK OF INFLUENCE OVER SCHOOL POLICIES AND PRACTICES	13	21
5 = LACK OF CONTROL OVER OWN CLASSROOM	5	1
6 = LACK OF PROFESSIONAL COMPETENCE OF COLLEAGUES	8	10
7 = POOR STUDENT MOTIVATION TO LEARN	17	7
8 = GENERALLY POOR WORKING CONDITIONS	14	8
9 = CLASS SIZES TOO LARGE	11	3
10 = STUDENT DISCIPLINE PROBLEMS	23	3

1
Page 76

11 = POOR SALARY	6	18

99 = NOT ANSWERED	6	2
BL = NOT APPLICABLE	4675	1859

TFS148 213 - 213 14.
HAVE YOU EARNED ANY NEW DEGREES IN THE PAST YEAR?

1 = YES	135	49
2 = NO	3110	1230
9 = NOT ANSWERED	14	3
BL = NOT APPLICABLE	1553	669

TFS149 214 - 215 15.
WHEN DID YOU EARN THIS DEGREE? MONTH IN WHICH YOU EARNED DEGREE

1 = JANUARY	3	1
2 = FEBRUARY	4	0
3 = MARCH	4	2
4 = APRIL	7	1
5 = MAY	38	11
6 = JUNE	21	8
7 = JULY	11	0
8 = AUGUST	28	14
9 = SEPTEMBER	0	2
10 = OCTOBER	1	0
11 = NOVEMBER	3	1
12 = DECEMBER	14	9
99 = NOT ANSWERED	15	3
BL = NOT APPLICABLE	4663	1899

TFS150 216 - 217 YEAR IN WHICH YOU EARNED THIS DEGREE-

88 = YEAR 1988	81	33
89 = YEAR 1989	52	15
99 = NOT ANSWERED	16	4
BL = NOT APPLICABLE	4663	1899

TFS151 218 - 218 16.
WHAT TYPE OF DEGREE IS IT?

1 = BACHELOR'S	9	81

2 = MASTER'S	106	31
3 = EDUCATION SPECIALIST OR PROFESSIONAL DIPLOMA	17	6
4 = DOCTORATE	3	0

1

Page 77

5 = PROFESSIONAL	0	1
9 = NOT ANSWERED	14	6
BL = NOT APPLICABLE	4663	1899

TFS152 219 - 220 17.
WHAT IS THE MAJOR FIELD OF STUDY FOR YOUR NEW DEGREE?

GENERAL		
11 = AGRICULTURE AND NATURAL RESOURCES	1	0
12 = ARCHITECTURE AND ENVIRONMENTAL DESIGN	0	0
13 = AREA AND ETHNIC STUDIES	0	0
14 = BIOLOGICAL/LIFE SCIENCE	3	1
15 = BUSINESS AND MANAGEMENT	0	0
16 = COMMUNICATIONS	1	0
17 = COMPUTER AND INFORMATION SCIENCES	1	1
18 = ENGINEERING	0	0
19 = FINE AND APPLIED ARTS	0	2
20 = FOREIGN LANGUAGES	0	1
21 = HEALTH PROFESSIONS	0	0
22 = HOME ECONOMICS	0	0
23 = LAW	0	2
24 = LETTERS (ENGLISH, LITERATURE, SPEECH, CLASSICS)	1	0
25 = LIBRARY SCIENCE	1	0
26 = MATHEMATICS	3	0
27 = MILITARY SCIENCE	0	0
28 = MULTI/INTERDISCIPLINARY STUDIES	0	0
29 = PHILOSOPHY AND RELIGION	0	1
30 = PSYCHOLOGY	0	0
31 = PUBLIC AFFAIRS AND		

SERVICES	0	0
32 = THEOLOGY	0	1
PHYSICAL SCIENCES		
33 = CHEMISTRY	0	0
34 = PHYSICS	0	0
35 = GEOLOGY/EARTH SCIENCES	1	0
36 = OTHER PHYSICAL SCIENCES	0	0
SOCIAL SCIENCES		
37 = ECONOMICS	0	0
38 = HISTORY	3	1
39 = POLITICAL SCIENCE AND GOVERNMENT	0	0
40 = SOCIOLOGY	0	1

1
Page 78

41 = OTHER SOCIAL SCIENCES	0	1
42 = OTHER	3	3
EDUCATION		
GENERAL EDUCATION		
51 = ELEMENTARY EDUCATION	19	10
52 = PRE-ELEMENTARY/EARLY CHILDHOOD EDUCATION	3	2
53 = SECONDARY EDUCATION	6	1
SUBJECT AREA EDUCATION		
54 = AGRICULTURAL EDUCATION	0	0
55 = ART EDUCATION	2	0
56 = BILINGUAL EDUCATION	1	0
57 = BUSINESS, COMMERCE, AND DISTRIBUTIVE EDUCATION	1	1
58 = ENGLISH AS A SECOND LANGUAGE	1	0
59 = ENGLISH EDUCATION	1	1
60 = FOREIGN LANGUAGES EDUCATION	0	0
61 = HOME ECONOMICS EDUCATION	1	0
62 = INDUSTRIAL ARTS, VOCATIONAL AND TECHNICAL EDUCATION	2	0

63 = MATHEMATICS EDUCATION	1	0
64 = MUSIC EDUCATION	2	0
65 = PHYSICAL EDUCATION/HEALTH EDUCATION	3	2
66 = READING EDUCATION	11	9
67 = SCIENCE EDUCATION	0	0
68 = SOCIAL STUDIES/SOCIAL SCIENCES EDUCATION	1	0
SPECIAL EDUCATION		
70 = SPECIAL EDUCATION, GENERAL	7	2
71 = EDUCATION OF THE EMOTIONALLY DISTURBED	2	0
72 = EDUCATION OF THE MENTALLY RETARDED	0	0
73 = EDUCATION OF THE SPEECH/HEARING/VISION IMPAIRED	1	0
74 = SPECIAL LEARNING DISABILITIES	12	1
75 = OTHER SPECIAL EDUCATION	2	0
OTHER EDUCATION		
80 = CURRICULUM AND INSTRUCTION	9	1
81 = EDUCATIONAL ADMINISTRATION	16	1
82 = EDUCATIONAL PSYCHOLOGY	1	0
83 = STUDENT PERSONNEL AND		

1

Page 79

COUNSELING	7	2
84 = OTHER EDUCATION	5	1
99 = NOT ANSWERED	14	3
BL = NOT APPLICABLE	4663	1899

TFS153 221 - 221 18.
FOR WHAT PURPOSE DID YOU EARN THIS DEGREE?

1 = TO INCREASE SALARY	44	8
2 = FOR PROFESSIONAL DEVELOPMENT IN CURRENT FIELD	72	31
3 = TO TEACH IN A DIFFERENT FIELD THAN THE ONE TAUGHT LAST YEAR	6	2

4 = FOR A NONTEACHING POSITION IN ELEMENTARY OR SECONDARY EDUCATION	5	0
5 = OCCUPATION OUTSIDE ELEMEN/SECONDARY EDUC OTHER THAN CURRENT JOB	2	4
6 = OTHER	7	4
9 = NOT ANSWERED	13	3
BL = NOT APPLICABLE	4663	1899

TFS154 222 - 222 19.
ARE YOU CURRENTLY ENROLLED IN A DEGREE PROGRAM?

1 = NO	2604	1022
2 = YES, AS A FULL-TIME STUDENT	44	22
3 = YES, AS A PART-TIME STUDENT	570	228
9 = NOT ANSWERED	41	12
BL = NOT APPLICABLE	1553	669

TFS155 223 - 223 20.
WHAT TYPE OF DEGREE ARE YOU PURSUING?

1 = BACHELOR'S	21	15
2 = MASTER'S	497	190
3 = EDUCATION SPECIALIST OR PROFESSIONAL DIPLOMA	77	37
4 = DOCTORATE	33	10
5 = PROFESSIONAL	3	1
9 = NOT ANSWERED	24	7
BL = NOT APPLICABLE	4157	1691

TFS156 224 - 225 21.
WHAT IS THE MAJOR FIELD OF STUDY FOR THE DEGREE
YOU ARE PURSUING?

11 = AGRICULTURE AND NATURAL

1
Page 80

RESOURCES	2	0
12 = ARCHITECTURE AND ENVIRONMENTAL DESIGN	0	1

13 = AREA AND ETHNIC STUDIES	5	0
14 = BIOLOGICAL/LIFE SCIENCE	7	2
15 = BUSINESS AND MANAGEMENT	3	0
16 = COMMUNICATIONS	5	2
17 = COMPUTER AND INFORMATION SCIENCES	13	3
18 = ENGINEERING	5	0
19 = FINE AND APPLIED ARTS	2	3
20 = FOREIGN LANGUAGES	8	3
21 = HEALTH PROFESSIONS	2	2
22 = HOME ECONOMICS	1	0
23 = LAW	1	1
24 = LETTERS (ENGLISH, LITERATURE, SPEECH, CLASSICS)	5	3
25 = LIBRARY SCIENCE	4	1
26 = MATHEMATICS	6	2
27 = MILITARY SCIENCE	3	2
28 = MULTI/INTERDISCIPLINARY STUDIES	11	1
29 = PHILOSOPHY AND RELIGION	2	1
30 = PSYCHOLOGY	9	3
31 = PUBLIC AFFAIRS AND SERVICES	3	1
32 = THEOLOGY	10	8
PHYSICAL SCIENCES		
33 = CHEMISTRY	0	0
34 = PHYSICS	0	0
35 = GEOLOGY/EARTH SCIENCES	1	1
36 = OTHER PHYSICAL SCIENCES	2	0
SOCIAL SCIENCES		
37 = ECONOMICS	0	0
38 = HISTORY	3	2
39 = POLITICAL SCIENCE AND GOVERNMENT	1	1
40 = SOCIOLOGY	0	0
41 = OTHER SOCIAL SCIENCES	2	1
42 = OTHER	12	3
EDUCATION		
GENERAL EDUCATION		
51 = ELEMENTARY EDUCATION	71	47
52 = PRE-ELEMENTARY/EARLY CHILDHOOD		

EDUCATION	27	9
53 = SECONDARY EDUCATION	19	7

1

Page 81

SUBJECT AREA EDUCATION		
54 = AGRICULTURAL EDUCATION		
55 = ART EDUCATION	0	0
56 = BILINGUAL EDUCATION	4	3
57 = BUSINESS, COMMERCE, AND DISTRIBUTIVE EDUCATION	5	1
58 = ENGLISH AS A SECOND LANGUAGE	5	3
59 = ENGLISH EDUCATION	6	7
60 = FOREIGN LANGUAGES EDUCATION	2	0
61 = HOME ECONOMICS EDUCATION	2	0
62 = INDUSTRIAL ARTS, VOCATIONAL AND TECHNICAL EDUCATION	8	0
63 = MATHEMATICS EDUCATION	5	2
64 = MUSIC EDUCATION	17	5
65 = PHYSICAL EDUCATION/HEALTH EDUCATION	15	4
66 = READING EDUCATION	33	16
67 = SCIENCE EDUCATION	8	1
68 = SOCIAL STUDIES/SOCIAL SCIENCES EDUCATION	4	5
SPECIAL EDUCATION		
70 = SPECIAL EDUCATION, GENERAL	20	11
71 = EDUCATION OF THE EMOTIONALLY DISTURBED	8	6
72 = EDUCATION OF THE MENTALLY RETARDED	6	0
73 = EDUCATION OF THE SPEECH/HEARING/VISION IMPAIRED	7	3
74 = SPECIAL LEARNING DISABILITIES	19	0
75 = OTHER SPECIAL EDUCATION	13	3
OTHER EDUCATION		
80 = CURRICULUM AND INSTRUCTION	22	10
81 = EDUCATIONAL ADMINISTRATION	85	23

```
          82 = EDUCATIONAL PSYCHOLOGY                        10        1
          83 = STUDENT PERSONNEL AND
               COUNSELING                                    34        6
          84 = OTHER EDUCATION                               21        9
          99 = NOT ANSWERED                                  45        20
          BL = NOT APPLICABLE                                4157      1691


     TFS157   226 - 226    22.
                           FOR WHAT PURPOSE ARE YOU PURSUING THIS DEGREE?

          1 = TO INCREASE TEACHER SALARY                     177       43
          2 = FOR PROFESSIONAL DEVELOPMENT IN


1
Page 82


               CURRENT TEACHING FIELD                        277       144
          3 = TO TEACH IN ANOTHER FIELD                      39        17
          4 = FOR NONTEACHING POSITION IN
               ELEMENTARY/SECONDARY EDUCATION                55        18
          5 = FOR AN OCCUPATION OUTSIDE
               ELEMENTARY/SECONDARY EDUCATION                34        12
          6 = OTHER                                          41        18
          9 = NOT ANSWERED                                   32        8
          BL = NOT APPLICABLE                                4157      1691


     TFS158   227 - 227    23.
                           HOW LONG DO YOU PLAN TO REMAIN IN TEACHING?

          1 = AS LONG AS ABLE                                1001      602
          2 = UNTIL ELIGIBLE FOR
               RETIREMENT                                    1289      222
          3 = PLAN TO LEAVE TEACHING AS SOON AS
               POSSIBLE                                      125       55
          4 = UNDECIDED                                      717       351
          9 = NOT ANSWERED                                   127       52
          BL = NOT APPLICABLE                                1553      669


     TFS159   228 - 229    24.
                           IN HOW MANY YEARS DO YOU PLAN TO RETIRE FROM
                           TEACHING?
```

```
     0 - 70 = YEARS

     Maximum                                          60        70
     Minimum                                          0         0
     Mean                                             17.988    21.673
     Standard Dev                                     9.174     10.329

     99 = NOT ANSWERED                                168       134
     BL = NOT APPLICABLE                              2395      1075


TFS160   230 - 231    25.
                      WHAT DO YOU EXPECT YOUR MAIN ACTIVITY WILL BE
                      DURING THE NEXT SCHOOL YEAR (1989-90)?

     1 = TEACHING IN THIS SCHOOL                      2699      963
     6 = ATTENDING A COLLEGE OR
          UNIVERSITY                                  18        22
     7 = WORKING IN A NONTEACHING OCCUPATION
          IN THE FIELD OF EDUCATION                   34        20
     8 = WORKING IN AN OCCUPATION OUTSIDE THE
          FIELD OF EDUCATION                          45        26
     9 = HOMEMAKING AND/OR CHILD


1
                                        Page 83


          REARING                                     32        32
     10 = UNEMPLOYED AND SEEKING
          WORK                                        14        6
     11 = MILITARY SERVICE                            0         0
     12 = RETIRED                                     34        5
     13 = OTHER                                       54        39
     15 = TEACHING IN ANOTHER SCHOOL                  300       152
     16 = TEACHING AT THE PRE-KINDERGARTEN OR
          POST-SECONDARY LEVEL                        6         7
     99 = NOT ANSWERED                                23        10
     BL = NOT APPLICABLE                              1553      669


TFS161   232 - 233    26A.
                      WHAT WOULD BE THE MOST EFFECTIVE STEP THAT
                      SCHOOLS MIGHT TAKE TO ENCOURAGE TEACHERS TO
```

REMAIN IN TEACHING?

1 = PROVIDING HIGHER SALARIES OR BETTER FRINGE BENEFITS	2002	754
2 = IMPROVING OPPORTUNITIES FOR PROFESSIONAL ADVANCEMENT	112	59
3 = MORE EFFECTIVE DEALING WITH STUDENT DISCIPLINE & SAFER SCHOOLS	250	112
4 = MORE TEACHER AUTHORITY IN SCHOOL & IN THEIR OWN CLASSROOMS	159	53
5 = INCREASING STANDARDS FOR STUDENT'S ACADEMIC PERFORMANCE	52	21
6 = PROVIDING BETTER RESOURCES & MATERIALS FOR CLASSROOM USE	55	24
7 = DECREASING CLASS SIZE	209	63
8 = REDUCING THE PAPERWORK BURDEN ON TEACHERS	95	35
9 = PROVIDING MORE SUPPORT FOR NEW TEACHERS	47	30
10 = INCREASING PARENT INVOLVEMENT IN THE SCHOOLS	59	31
11 = REDUCING TEACHER WORKLOAD	83	30
12 = PROVIDING MERIT PAY OR OTHER PAY INCENTIVES TO TEACHERS	62	34
13 = PROVIDE TEACHER TRAINING IN CONTENT AREAS & INSTRUC. METHODS	26	16
99 = NOT ANSWERED	28	20
BL = NOT APPLICABLE	1553	669

TFS162 234 - 235 26B.
WHAT WOULD BE THE SECOND MOST EFFECTIVE STEP?

1 = PROVIDING HIGHER SALARIES OR BETTER FRINGE BENEFITS	407	152

1
Page 84

2 = IMPROVING OPPORTUNITIES FOR PROFESSIONAL ADVANCEMENT	332	165
3 = MORE EFFECTIVE DEALING WITH STUDENT DISCIPLINE & SAFER SCHOOLS	462	177
4 = MORE TEACHER AUTHORITY IN SCHOOL & IN		

THEIR OWN CLASSROOMS	320	97
5 = INCREASING STANDARDS FOR STUDENTS' ACADEMIC PERFORMANCE	126	71
6 = PROVIDING BETTER RESOURCES & MATERIALS FOR CLASSROOM USE	177	68
7 = DECREASING CLASS SIZE	460	135
8 = REDUCING THE PAPERWORK BURDEN ON TEACHERS	335	95
9 = PROVIDING MORE SUPPORT FOR NEW TEACHERS	79	46
10 = INCREASING PARENT INVOLVEMENT IN THE SCHOOLS	108	28
11 = REDUCING TEACHER WORKLOAD	145	75
12 = PROVIDING MERIT PAY OR OTHER PAY INCENTIVES TO TEACHERS	155	82
13 = PROVIDING TEACHER TRAINING IN CONTENT AREAS & INSTRUC. METHODS	74	45
99 = NOT ANSWERED	79	41
BL = NOT APPLICABLE	1553	669

TFS163 236 - 237 26C.
WHAT WOULD BE THE THIRD MOST EFFECTIVE STEP?

1 = PROVIDING HIGHER SALARIES OR BETTER FRINGE BENEFITS	253	108
2 = IMPROVING OPPORTUNITIES FOR PROFESSIONAL ADVANCEMENT	167	85
3 = MORE EFFECTIVE DEALING WITH STUDENT DISCIPLINE & SAFER SCHOOLS	363	126
4 = MORE TEACHER AUTHORITY IN SCHOOL & IN THEIR OWN CLASSROOMS	267	76
5 = INCREASING STANDARDS FOR STUDENTS' ACADEMIC PERFORMANCE	175	65
6 = PROVIDING BETTER RESOURCES AND MATERIALS FOR CLASSROOM USE	267	102
7 = DECREASING CLASS SIZE	366	132
8 = REDUCING TH PAPERWORK BURDEN ON TEACHERS	407	121
9 = PROVIDING MORE SUPPORT FOR NEW TEACHERS	110	52
10 = INCREASING PARENT INVOLVEMENT IN THE SCHOOLS	203	94
11 = REDUCING TEACHER WORKLOAD	204	90
12 = PROVIDING MERIT PAY OR OTHER PAY INCENTIVES TO TEACHERS	162	84

1

13 = PROVIDING TEACHER TRAINING IN CONTENT AREAS & INSTRUC. METHODS	132	76
99 = NOT ANSWERED	183	71
BL = NOT APPLICABLE	1553	669

TFS164 238 - 238 27.
HOW SATISFIED ARE YOU WITH EACH OF THE FOLLOWING ASPECTS OF TEACHING? ARE YOU (A) VERY SATISFIED, (B) SOMEWHAT SATISFIED, (C) SOMEWHAT DISSATISFIED, OR (D) VERY DISSATISFIED WITH -

(1) SALARY

1 = VERY SATISFIED	208	112
2 = SOMEWHAT SATISFIED	1532	490
3 = SOMEWHAT DISSATISFIED	933	367
4 = VERY DISSATISFIED	564	294
9 = NOT ANSWERED	22	19
BL = NOT APPLICABLE	1553	669

TFS165 239 - 239 (2) BENEFITS

1 = VERY SATISFIED	571	224
2 = SOMEWHAT SATISFIED	1566	530
3 = SOMEWHAT DISSATISFIED	731	279
4 = VERY DISSATISFIED	363	222
9 = NOT ANSWERED	28	27
BL = NOT APPLICABLE	1553	669

TFS166 240 - 240 (3) OPPORTUNITY FOR PROFESSIONAL ADVANCEMENT

1 = VERY SATISFIED	361	212
2 = SOMEWHAT SATISFIED	1545	587
3 = SOMEWHAT DISSATISFIED	948	338
4 = VERY DISSATISFIED	364	122
9 = NOT ANSWERED	41	23
BL = NOT APPLICABLE	1553	669

TFS167 241 - 241 (4) SUPPORT/RECOGNITION OF ADMINISTRATORS/MANAGERS

1 = VERY SATISFIED	603	457
2 = SOMEWHAT SATISFIED	1353	475
3 = SOMEWHAT DISSATISFIED	822	233
4 = VERY DISSATISFIED	446	101
9 = NOT ANSWERED	35	16
BL = NOT APPLICABLE	1553	669

1
Page 86

TFS168 242 - 242 (5) SAFETY OF SCHOOL ENVIRONMENT

1 = VERY SATISFIED	1075	675
2 = SOMEWHAT SATISFIED	1446	457
3 = SOMEWHAT DISSATISFIED	561	107
4 = VERY DISSATISFIED	147	31
9 = NOT ANSWERED	30	12
BL = NOT APPLICABLE	1553	669

TFS169 243 - 243 (6) YOUR INFLUENCE OVER SCHOOL POLICIES AND PRACTICES

1 = VERY SATISFIED	279	295
2 = SOMEWHAT SATISFIED	1341	578
3 = SOMEWHAT DISSATISFIED	1113	272
4 = VERY DISSATISFIED	498	121
9 = NOT ANSWERED	28	16
BL = NOT APPLICABLE	1553	669

TFS170 244 - 244 (7) AUTONOMY OR CONTROL OVER YOUR OWN CLASSROOM

1 = VERY SATISFIED	1452	794
2 = SOMEWHAT SATISFIED	1370	385
3 = SOMEWHAT DISSATISFIED	3310	75
4 = VERY DISSATISFIED	82	12
9 = NOT ANSWERED	25	16
BL = NOT APPLICABLE	1553	669

TFS171 245 - 245 (8) PROFESSIONAL CALIBER OF COLLEAGUES

1 = VERY SATISFIED	1201	599
2 = SOMEWHAT SATISFIED	1525	481
3 = SOMEWHAT DISSATISFIED	411	155
4 = VERY DISSATISFIED	95	33
9 = NOT ANSWERED	27	14
BL = NOT APPLICABLE	1553	669

TFS172 246 - 246 (9) THE ESTEEM OF SOCIETY FOR THE TEACHING PROFESSION

1 = VERY SATISFIED	98	89
2 = SOMEWHAT SATISFIED	656	355
3 = SOMEWHAT DISSATISFIED	1320	500
4 = VERY DISSATISFIED	1128	323
9 = NOT ANSWERED	27	15
BL = NOT APPLICABLE	1553	669

1

Page 87

TFS173 247 - 247 (10) PROCEDURES FOR EVALUATING YOUR PERFORMANCE

1 = VERY SATISFIED	480	295
2 = SOMEWHAT SATISFIED	1588	612
3 = SOMEWHAT DISSATISFIED	815	267
4 = VERY DISSATISFIED	351	86
9 = NOT ANSWERED	25	22
BL = NOT APPLICABLE	1553	669

TFS174 248 - 248 (11) TEACHING LOAD

1 = VERY SATISFIED	531	326
2 = SOMEWHAT SATISFIED	1448	587
3 = SOMEWHAT DISSATISFIED	886	277
4 = VERY DISSATISFIED	363	77
9 = NOT ANSWERED	31	15
BL = NOT APPLICABLE	1553	669

TFS175 249 - 249 (12) AVAILABILITY OF RESOURCES AND MATERIALS/EQUIPMENT FOR YOUR CLASSROOM

1 = VERY SATISFIED	579	266
2 = SOMEWHAT SATISFIED	1298	517
3 = SOMEWHAT DISSATISFIED	902	352
4 = VERY DISSATISFIED	454	134
9 = NOT ANSWERED	26	13
BL = NOT APPLICABLE	1553	669

TFS176 250 - 250 (13) GENERAL WORKING CONDITIONS

1 = VERY SATISFIED	692	436
2 = SOMEWHAT SATISFIED	1763	654
3 = SOMEWHAT DISSATISFIED	607	144
4 = VERY DISSATISFIED	170	34
9 = NOT ANSWERED	27	14
BL = NOT APPLICABLE	1553	669

TFS177 251 - 251 (14) JOB SECURITY

1 = VERY SATISFIED	1150	484
2 = SOMEWHAT SATISFIED	1535	508
3 = SOMEWHAT DISSATISFIED	330	173
4 = VERY DISSATISFIED	216	95
9 = NOT ANSWERED	28	22
BL = NOT APPLICABLE	1553	669

1
Page 88

TFS178 252 - 252 (15) INTELLECTUAL CHALLENGE

1 = VERY SATISFIED	916	502
2 = SOMEWHAT SATISFIED	1706	586
3 = SOMEWHAT DISSATISFIED	475	138
4 = VERY DISSATISFIED	130	40
9 = NOT ANSWERED	32	16

```
     BL = NOT APPLICABLE                                1553      669

TFS179   253 - 253    (16) STUDENT MOTIVATION TO LEARN

     1 = VERY SATISFIED                                 324       300
     2 = SOMEWHAT SATISFIED                             1067      540
     3 = SOMEWHAT DISSATISFIED                          1108      302
     4 = VERY DISSATISFIED                              723       125
     9 = NOT ANSWERED                                   37        15
     BL = NOT APPLICABLE                                1553      669

TFS180   254 - 254    (17) SCHOOL LEARNING ENVIRONMENT

     1 = VERY SATISFIED                                 531       426
     2 = SOMEWHAT SATISFIED                             1719      693
     3 = SOMEWHAT DISSATISFIED                          799       162
     4 = VERY DISSATISFIED                              180       39
     9 = NOT ANSWERED                                   30        16
     BL = NOT APPLICABLE                                1553      669

TFS181   255 - 255    (18) STUDENT DISCIPLINE AND BEHAVIOR

     1 = VERY SATISFIED                                 350       377
     2 = SOMEWHAT SATISFIED                             1237      535
     3 = SOMEWHAT DISSATISFIED                          1092      262
     4 = VERY DISSATISFIED                              552       95
     9 = NOT ANSWERED                                   28        13
     BL = NOT APPLICABLE                                1553      669

TFS182   256 - 256    (19) CLASS SIZE

     1 = VERY SATISFIED                                 648       518
     2 = SOMEWHAT SATISFIED                             1254      452
     3 = SOMEWHAT DISSATISFIED                          839       212
     4 = VERY DISSATISFIED                              489       88
     9 = NOT ANSWERED                                   29        12
     BL = NOT APPLICABLE                                1553      669

TFS183   257 - 257    (20) SUPPORT FROM PARENTS
```

1 = VERY SATISFIED	349	383
2 = SOMEWHAT SATISFIED	1139	496
3 = SOMEWHAT DISSATISFIED	1115	252
4 = VERY DISSATISFIED	621	132
9 = NOT ANSWERED	35	19
BL = NOT APPLICABLE	1553	669

TFS184 258 - 258 28.
WHAT IS YOUR CURRENT MARITAL STATUS?

1 = MARRIED	2324	793
2 = WIDOWED, DIVORCED, OR SEPARATED	374	80
3 = NEVER MARRIED	537	399
9 = NOT ANSWERED	24	10
BL = NOT APPLICABLE	1553	669

TFS185 259 - 260 29.
HOW MANY CHILDREN DO YOU HAVE WHO ARE DEPENDENT ON YOU (AND YOUR SPOUSE) FOR MORE THAN HALF OF THEIR FINANCIAL SUPPORT?

0 - 20 = CHILDREN

Maximum	7	10
Minimum	0	0
Mean	1.076	0.998
Standard Dev	1.145	1.261
99 = NOT ANSWERED	43	16
BL = NOT APPLICABLE	1553	669

TFS186 261 - 262 30.
WHAT WAS THE AGE OF YOUR YOUNGEST CHILD ON HIS/HER LAST BIRTHDAY?

0 - 60 = YEARS

Maximum	48	24

Minimum	0	0
Mean	9.196	8.231
Standard Dev	6.778	5.865
99 = NOT ANSWERED	51	18
BL = NOT APPLICABLE	2931	1339

TFS187 263 - 263 31.

1
Page 90

DO YOU HAVE PERSONS OTHER THAN YOUR SPOUSE OR CHILDREN WHO ARE DEPENDENT ON YOU FOR MORE THAN HALF OF THEIR FINANCIAL SUPPORT?

1 = YES	101	62
2 = NO	3117	1198
9 = NOT ANSWERED	41	22
BL = NOT APPLICABLE	1553	669

TFS188 264 - 265 HOW MANY PERSONS?

0 - 20 = PERSONS

Maximum	4	5
Minimum	0	0
Mean	1.196	1.38
Standard Dev	0.656	0.967
99 = NOT ANSWERED	45	34
BL = NOT APPLICABLE	4670	1867

TFS189 266 - 270 32A.

(1) DURING THE SUMMER OF 1988, HOW MUCH DID YOU EARN IN - SUMMER SCHOOL SALARY FROM THIS OR ANY OTHER SCHOOL?

0 - 20000 = DOLLAR AMOUNT

Maximum	99,999	99,999
Minimum	0	0
Mean	2970.16	4677.2
Standard Dev	16122.2	20411.1
99999 = NOT ANSWERED	0	0
BL = NOT APPLICABLE	1553	669

TFS190 271 - 275 (2) DURING THE SUMMER OF 1988, HOW MUCH DID YOU EARN IN - OTHER SCHOOL COMPENSATION FOR SUMMER WORK AT THIS OR ANY OTHER SCHOOL?

0 - 20000 = DOLLAR AMOUNT

Maximum	10000	5100
Minimum	0	0
Mean	62.317	61.199
Standard Dev	382.772	388.517

1

Page 91

99999 = NOT ANSWERED	112	69
BL = NOT APPLICABLE	1553	669

TFS191 276 - 280 (3) DURING THE SUMMER OF 1988, HOW MUCH DID YOU EARN IN - EARNINGS FROM NONSCHOOL EMPLOYMENT DURING THE SUMMER OF 1988?

0 - 50000 = DOLLAR AMOUNT

Maximum	27500	8000
Minimum	0	0
Mean	417.153	389.565
Standard Dev	1467.06	965.73
99999 = NOT ANSWERED	131	76
BL = NOT APPLICABLE	1553	669

TFS192 281 - 285 32B.

WHAT IS YOUR ACADEMIC BASE YEAR SALARY FOR
TEACHING FOR THE 1988-89 SCHOOL YEAR?

PUBLIC SCHOOL		
1 = 1,000 SALARY < 20,000	925	0
2 = 20,001 < SALARY < 25,000	940	0
3 = 25,001 < SALARY < 30,000	563	0
4 = 30,001 < SALARY < 35,000	330	0
5 = 35,001 < SALARY < 999,999	324	0
99999 = NOT ANSWERED	177	0
BL = NOT APPLICABLE	1553	0
PRIVATE SCHOOL		
1 = 1,000 SALARY 10,000	0	179
2 = 10,001 < = SALARY < = 15,000	0	294
3 = 15,001 < = SALARY < = 20,000	0	333
4 = 20,001 < = SALARY < = 25,000	0	324
5 = 25,001 < = SALARY < 999,999	0	211
99999 = NOT ANSWERED	0	130
BL = NOT APPLICABLE	0	669

TFS193 286 - 290 32C.
DURING THE 1988-89 SCHOOL YEAR, HOW MUCH WILL
YOU EARN IN ADDITIONAL COMPENSATION FROM YOUR
SCHOOL(S) FOR EXTRA CURRICULAR OR ADDITIONAL
ACTIVITIES SUCH AS COACHING, STUDENT ACTIVITY
SPONSORSHIP, OR EVENING CLASSES?

1
Page 92

0 - 50000 = DOLLAR AMOUNT

Maximum	40000	24600
Minimum	0	0
Mean	682.3	318.619
Standard Dev	2081.6	1355.03
99999 = NOT ANSWERED	144	99
BL = NOT APPLICABLE	1553	669

TFS194 291 - 295 32D.
DURING THE 1988-89 SCHOOL YEAR, NOW MUCH WILL
YOU EARN FROM NONSCHOOL EMPLOYMENT?

0 - 90000 = DOLLAR AMOUNT

Maximum	62000	32000
Minimum	0	0
Mean	693.164	589.868
Standard Dev	3071.85	2120.96
99999 = NOT ANSWERED	204	129
BL = NOT APPLICABLE	1553	669

TFS195 296 - 301 32E.
WHAT IS YOUR TOTAL EARNED INCOME FROM MID-JUNE
1988 TO MID-JUNE 1989?

PUBLIC SCHOOL		
1 = 1,000 TOTAL INCOME 20,000	638	0
2 = 20,001 < TOTAL INCOME < = 25,000	911	0
3 = 25,001 < TOTAL INCOME < = 30,000	625	0
4 = 30,001 < TOTAL INCOME < = 35,000	405	0
5 = 35,001 < TOTAL INCOME < 999,999	542	0
999999 = NOT ANSWERED	138	0
BL = NOT APPLICABLE	1553	0
PRIVATE SCHOOL		
1 = 1,000 < TOTAL INCOME < 10,000	0	135
2 = 10,001 < TOTAL INCOME < 15,000	0	239
3 = 15,001 < TOTAL INCOME < 20,000	0	318

1

4 = 20,001 < TOTAL INCOME < 25,000	0	238
5 = 25,001 < TOTAL INCOME < 999,999	0	242
999999 = NOT ANSWERED	0	110
BL = NOT APPLICABLE	0	669

TFS196 302 - 303 33.
WHICH CATEGORY REPRESENTS THE TOTAL COMBINED INCOME OF ALL FAMILY MEMBERS IN YOUR HOUSEHOLD DURING 1988? THIS INCLUDES MONEY FROM JOBS, NET BUSINESS OR FARM INCOME, PENSIONS, DIVIDENDS, INTEREST, RENT, SOCIAL SECURITY PAYMENTS, AND ANY OTHER INCOME RECEIVED BY FAMILY MEMBERS IN YOUR HOUSEHOLD WHO ARE 14 YEARS OF AGE OR OLDER.

1 = LESS THAN $10,000	9	37
2 = $10,000 - $14,999	14	69
3 = $15,000 - $19,999	138	139
4 = $20,000 - $24,999	320	136
5 = $25,000 - $29,999	268	101
6 = $30,000 - $34,999	279	81
7 = $35,000 - $39,999	330	94
8 = $40,000 - $49,999	551	148
9 = $50,000 - $59,999	465	113
10 = $60,000 - $74,999	258	81
11 = $75,000 - $99,999	170	42
12 = $100,000 OR MORE	60	30
99 = NOT ANSWERED	297	211
BL = NOT APPLICABLE	1553	669

BLANK 304 - 304 BLANK

1987-88 SASS TEACHER QUESTIONNAIRE

TSC010 305 - 306 1.
How do you classify your PRIMARY assignment at THIS school during 1987-88?

1 = Regular full-time or part-time teacher	4433	1924
2 = Itinerant teacher	318	21
3 = Long-term Substitute	61	6
4 = Short-term Substitute	0	0
5 = Student teacher	0	0

1
Page 94

6 = Nonteaching specialist	0	0
7 = Administrator	0	0
8 = Teacher's aide	0	0
9 = Other professional or support staff	0	0

TSC010 307 - 307 2.
How do you classify your position as an employee AT THIS SCHOOL during 1987-88?

1 = Full-time	4329	1632
2 = 3/4 time or more, but less than full-time	81	65
3 = 1/2 time or more, but less than 3/4 time	253	151
4 = 1/4 time or more, but less than 1/2 time	87	65
5 = Less than 1/4 time	61	38
9 = Not answered	1	0
bl = Not applicable		

TSC012 308 - 308 3.
How do you describe your teaching assignment AT THIS SCHOOL during 1987-88?

1 = Full-time teacher	4233	1590
2 = 3/4 time or more, but less than full-time	105	80
3 = 1/2 time or more, but less than 3/4 time	286	173
4 = 1/4 time or more but less than 1/2		

time	110	66
5 = Less than 1/4 time	78	42

TSC013 309 - 309 CHECK ITEM A

Did you mark box 1, "Full-time employee," in answer to question 2 above?

1 = Yes	96	42
2 = No	483	319
9 = Not answered	579	361
bl = Not applicable	4233	1590

TSC014 310 - 310 4.
Which category best describes your other assignment AT THIS SCHOOL?

1

Page 95

1 = Administrator	10	12
2 = Nonteaching specialist	8	3
3 = Resource person for other teachers	30	9
4 = Support staff	11	1
5 = Coach	23	2
6 = Other	0	10
9 = Not answered	14	5
bl = Not applicable	4716	1909

TSC015 311 - 312 5.
Which of these categories best describes your other PRIMARY ACTIVITY outside of teaching at this school?

1 = Teaching in another school	203	50
2 = Attending a college or university	13	25
3 = Working in a nonteaching occupation in the field of education	13	9
4 = Working in an occupation outside the		

field of education	34	36
5 = Homemaking and/or child rearing	155	143
6 = Seeking work	5	4
7 = Retired	4	10
99 = Not answered	24	13
bl = Not applicable	4320	1632

TSC016 313 - 314 6.
In what year did you begin your first FULL-TIME teaching position at the elementary or secondary level?

24 = Year	1	0
28 =	0	1
30 =	0	1
31 =	0	1
34 =	0	2
36 =	0	1
37 =	0	2
38 =	0	1
39 =	1	1
40 =	1	2
41 =	5	0
42 =	8	4
43 =	8	5
44 =	4	3
45 =	8	3

1
Page 96

46 =	19	2
47 =	15	2
48 =	25	8
49 =	25	5
50 =	33	9
51 =	27	4
52 =	37	10
53 =	34	7
54 =	40	15
55 =	42	7
56 =	34	6

57 =	65	9
58 =	59	16
59 =	56	12
60 =	54	19
61 =	62	19
62 =	69	13
63 =	74	18
64 =	76	25
65 =	81	22
66 =	83	23
67 =	100	34
68 =	121	39
69 =	136	47
70 =	142	38
71 =	145	40
72 =	147	42
73 =	139	35
74 =	138	42
75 =	135	38
76 =	148	48
77 =	139	32
78 =	133	51
79 =	137	54
80 =	131	69
81 =	122	59
82 =	122	41
83 =	138	85
84 =	177	90
85 =	333	162
86 =	391	199
87 =	469	282
88 =	12	8
99 = Not answered	31	33
bl = Not applicable	80	105

TSC017 315 - 315

1 = Never taught full-time	80	105

1

TSC018 316 - 316 7.
At which of the following school levels have you taught, either full or part time, for one year or more?

1 = Prekindergarten	273	269
9 = No answer to question 7	119	31
bl = Not applicable	4420	1651

TSC019 317 - 317

2 = Elementary	2776	1379
9 = No answer to question 7	119	31
bl = Not applicable	1917	541

TSC020 318 - 318

3 = Middle/junior high	2276	980
9 = No answer to question 7	119	31
bl = Not applicable	2417	940

TSC021 319 - 319

4 = Senior high	2180	727
9 = No answer to question 7	113	31
bl = Not applicable	2513	1193

TSC022 320 - 320

5 = Postsecondary	338	183
9 = No answer to question 7	119	31
bl = Not applicable	4355	1737

TSC023 321 - 322 8.
Including the current school year, how many years have you been employed as a teacher in public and/or private schools at the elementary or secondary level?

a. Public Schools

```
          0 = None
          1-70  = Years of full-time teaching

          Maximum                                          46        41
          Minimum                                          0         0


1
Page 98


          Mean                                             10.979    2.398
          Standard Dev                                     9.617     4.906

          99 = Not answered                                32        508
          bl = Not applicable                              0         0


     TSC024   323 - 324

          0 = None
          1-70 = Years of part-time teaching

          Maximum                                          28        24
          Minimum                                          0         0
          Mean                                             1.076     0.649
          Standard Dev                                     2.347     1.790

          99 = Not answered                                2012      898
          bl = Not applicable                              0         0


     TSC025   325 - 326    b.  Private Schools

          0 = None
          1-70 = Years of full-time teaching

          Maximum                                          30        57
          Minimum                                          0         0
          Mean                                             0.716     6.172
          Standard Dev                                     2.138     7.900

          99 = Not answered                                2234      78
          bl = Not applicable                              0         0
```

TSC026 327 - 328

0 = None
1-70 = Years of part-time teaching

Maximum	15	31
Minimum	0	0
Mean	0.163	1.362
Standard Dev	0.834	2.662
99 = Not answered	2659	792
bl = Not applicable	0	0

TSC027 329 - 330 9a.
Since you began teaching, how many breaks in

1

service of one year or more have you had?

0 = None
1-20 = Breaks in service

Maximum	17	16
Minimum	0	0
Mean	0.524	0.588
Standard Dev	1.055	1.155
99 = Not answered	37	23
bl = Not applicable	0	0

TSC028 331 - 331 9b.
Were any of these breaks due to a
reduction-in-force or a lay-off?

1 = Yes	141	59
2 = No	1483	644
9 = Not answered	34	14
bl = Not applicable	3154	1234

TSC029 332 - 333 How many?

1-20 = Number of breaks due to
reduction-in-force or layoff

Maximum	8	4
Minimum	1	1
Mean	1.385	1.241
Standard Dev	1.067	0.581
99 = Not answered	45	19
bl = Not applicable	4637	1878

TSC030 334 - 335 9c.
Including the current year, how many consec-
utive years have you been teaching?

1-70 = Consecutive years

Maximum	41	35
Minimum	1	1
Mean	8.993	5.410
Standard Dev	8.231	5.366
99 = Not answered	57	27
bl = Not applicable	3154	1234

1
Page 100

TSC031 336 - 337 10.
In what year did you begin teaching in this
school?

34 = YEAR	0	1
36 =	0	1
38 =	1	0
43 =	1	0
44 =	1	0
45 =	1	0
47 =	1	0
48 =	1	0
49 =	0	2

50 =	1	0
51 =	5	0
52 =	4	0
53 =	7	0
54 =	6	2
55 =	6	0
56 =	12	1
57 =	17	1
58 =	17	0
59 =	17	1
60 =	12	5
61 =	22	1
62 =	28	3
63 =	30	2
64 =	28	6
65 =	39	2
66 =	40	4
67 =	47	4
68 =	54	7
69 =	65	12
70 =	93	11
71 =	77	12
72 =	82	15
73 =	82	13
74 =	79	15
75 =	64	17
76 =	91	26
77 =	97	24
78 =	121	34
79 =	107	45
80 =	147	51
81 =	159	64
82 =	145	52
83 =	231	96
84 =	275	132
85 =	523	250
86 =	719	390
87 =	1191	627

1

88 =	23	9
99 = Not answered	43	12

	bl = Not applicable	0	0

TSC032 338 - 338 11.
What was your main activity the year before you began teaching in this school?

1 = Working in a position in the field of education, but not as a teacher	273	132
2 = Working in an occupation outside of education	573	300
3 = Teaching in another school--same school system	909	0
4 = Teaching in a different system--same state (Teaching in a different school in this state)	878	426
5 = Teaching in a different state	322	226
9 = No answer to question 11	16	7
bl = Not applicable	1841	860

TSC033 339 - 340 Which state?

01 = Alabama	5	3
02 = Alaska	3	0
04 = Arizona	3	4
05 = Arkansas	2	1
06 = California	13	8
08 = Colorado	7	4
09 = Connecticut	3	2
10 = Delaware	0	0
11 = District of Columbia	2	1
12 = Florida	14	9
13 = Georgia	7	0
15 = Hawaii	0	0
16 = Idaho	7	2
17 = Illinois	6	12
18 = Indiana	2	10
19 = Iowa	7	5
20 = Kansas	9	3
21 = Kentucky	7	0
22 = Louisiana	9	5
23 = Maine	2	1
24 = Maryland	9	7
25 = Massachusetts	7	6

26 = Michigan	7	6
27 = Minnesota	4	8
28 = Mississippi	1	3

1
Page 102

29 = Missouri	3	5
30 = Montana	4	0
31 = Nebraska	6	5
32 = Nevada	5	0
33 = New Hampshire	1	1
34 = New Jersey	2	9
35 = New Mexico	3	1
36 = New York	8	14
37 = North Carolina	8	3
38 = North Dakota	2	1
39 = Ohio	10	7
40 = Oklahoma	7	3
41 = Oregon	2	2
42 = Pennsylvania	12	10
44 = Rhode Island	1	3
45 = South Carolina	9	3
46 = South Dakota	6	3
47 = Tennessee	2	4
48 = Texas	25	10
49 = Utah	6	0
50 = Vermont	7	1
51 = Virginia	11	8
53 = Washington	4	0
54 = West Virginia	5	0
55 = Wisconsin	6	8
56 = Wyoming	2	0
59 = Outside U.S	11	5
99 = Not answered	8	20
bl = Not applicable	4490	1725

TSC034 341 - 342

6 = Homemaking and/or child rearing	438	277
7 = Attending a college or university	1189	470

8 = Military service	26	4
9 = Unemployed and seeking work	33	11
10 = Retired	5	5
11 = Other	150	93
99 = No answer to question	11	167
bl = Not applicable	2955	1084

TSC035 343 - 343 12.
Which of the following categories best describes your previous occupation in the field of education?

1 = Administrator	29	18

1

Page 103

2 = Guidance counselor	13	1
3 = Librarian or other media staff	6	0
4 = Other professional staff	37	32
5 = Teacher's aide	91	35
6 = Other school personnel	76	26
9 = Not answered	37	27
bl = Not applicable	4523	1812

TSC036 344 - 346 13b.
What kind of business was this?

SEE APPENDIX 'A'

999 = Not answered	17	14
bl = Not applicable	4239	1651

TSC037 347 - 349 13c.
What kind of work were you doing?

SEE APPENDIX 'A'

999 = Not answered	20	13
bl = Not applicable	4239	1651

TSC038 350 - 351 13e.
How would you classify yourself on that job?

1 = An employee of a PRIVATE company, business, or individual for wages, salary, or commission	407	223
2 = A FEDERAL government employee	28	4
3 = A STATE government employee	33	6
4 = A LOCAL government employee	18	10
5 = SELF-EMPLOYED in your own business, professional practice, or farm	68	36
6 = Working WITHOUT PAY on a family business or farm	2	3
7 = Working WITHOUT PAY in a volunteer job	0	6
99 = Not answered	17	12
bl = Not applicable	4239	1651

TSC039 352 - 352 14a.
Which of the following college degrees have you earned?

1
Page 104

1 = Associate degree or vocational certificate	651	244
9 = Not answered	0	0
bl = Not applicable	4161	1707

TSC043 359 - 359

2 = Bachelor's degree	4767	1847
9 = Not answered	0	0
bl = Not applicable	45	104

TSC047 366 - 366

3 = 2nd Bachelor's degree	273	106
9 = Not answered	0	0
bl = Not applicable	4539	1845

TSC051 373 - 373

4 = Master's degree	1861	524
9 = Not answered	0	1
bl = Not applicable	2951	1426

TSC055 380 - 380

5 = 2nd Master's degree	118	43
9 = Not answered	0	0
bl = Not applicable	4694	1908

TSC059 387 - 387

6 = Education specialist or professional diploma	291	59
9 = Not answered	0	0
bl = Not applicable	4521	1892

TSC063 394 - 395

7 = Doctorate	44	21
9 = Not answered	0	0
bl = Not applicable	4768	1930

TSC067 402 - 403

1

Page 105

8 = First Professional Degree	17	7
9 = Not answered	0	0
bl = Not applicable	4795	1944

```
TSC071   410 - 411

     9 = No degree or diploma                          15        63
     99 = Not answered                                 0         0
     bl = Not applicable                               4797      1888


TSC040   353 - 354    14b.  (SEE APPENDIX 'B' FOR FREQUENCIES)
TSC044   360 - 361    What was your major field of study for
TSC048   367 - 368    each degree?
TSC052   374 - 375
TSC056   381 - 382
TSC060   388 - 389
TSC064   396 - 397
TSC068   404 - 405

     GENERAL
     11 = Agriculture and Natural resources
     12 = Architecture and environmental design
     13 = Area and ethnic Studies
     14 = Biological/Life science
     15 = Business and management
     17 = Computer and information science
     18 = Engineering
     19 = Fine and applied arts
     20 = Foreign languages
     21 = Health professions
     22 = Home economics
     23 = Law
     24 = Letters (English, literature, speech, classics)
     25 = Library science
     26 = Mathematics
     27 = Military science
     28 = Multi/interdisciplinary studies
     29 = Philosophy and religion
     30 = Psychology
     31 = Public affairs and services
     32 = Theology Physical sciences
     33 = Chemistry
     34 = Physics
     35 = Geology/earth science
     36 = Other physical sciences

     Social science
     37 = Economics
```

38 = History

1
Page 106

39 = Political science and government
40 = Sociology
41 = Other social sciences
42 = Other

EDUCATION

General education
51 = Elementary
52 = Pre-elementary/early childhood
53 = Secondary Subject area education
54 = Agricultural
55 = Art
56 = Bilingual
57 = Business commerce, and distribution
58 = English as a second language
59 = English
60 = Foreign languages
61 = Home economics
62 = Industrial arts, vocational and technical
63 = Mathematics
64 = Music
65 = Physical ed./health ed.
66 = Reading
67 = Science
68 = Social studies/social sciences

Special education
70 = Special ed., general
71 = Education of the emotionally disturbed
72 = Education of the mentally retarded
73 = Education of the speech/hearing/vision impaired
74 = Special (earning disabilities
75 = Other special education

Other education
80 = Curriculum and instruction
81 = Educational administration
82 = Educational psychology

83 = Student personnel and counseling
84 = Other education
99 = Not answered
bl = Not applicable

TSC041	355 - 356	14c. (SEE APPENDIX 'C' FOR FREQUENCIES) What
TSC045	362 - 363	was you second major or minor field of study
TSC049	369 - 370	for each degree?
TSC053	376 - 377	
TSC057	383 - 384	
TSC061	390 - 391	

1

Page 107

TSC065	398 - 399
TSC069	406 - 407

TSC042	357 - 358	14d. (SEE APPENDIX 'D' FOR FREQUENCIES) In
TSC046	364 - 365	what year did you receive your degree?
TSC050	371 - 372	
TSC054	378 - 379	
TSC058	385 - 386	
TSC062	392 - 393	
TSC066	400 - 401	
TSC070	408 - 409	

TSC075 421 - 422 16a.
What is your current primary teaching
assignment field at THIS SCHOOL?

01 = Prekindergarten	14	25
02 = Kindergarten	222	143
03 = General elementary	1246	776
Special areas		
04 = Art	107	53
05 = Basic skills and remedial ed	57	7
06 = Bilingual ed.	31	0
07 = Business ed	88	15

08 = Computer science	22	13
09 = English/language arts	368	156
10 = English as a second language	39	2
11 = Foreign language	89	76
12 = Gifted	44	2
13 = Health, physical education	228	71
14 = Home economics	99	11
15 = Industrial arts	75	3
16 = Mathematics	337	133
17 = Music	254	68
18 = Reading	121	29
19 = Religion/philosophy	1	43
20 = Social studies /social science	230	95
Science		
21 = Biology	101	30
22 = Chemistry	23	19
23 = Earth science/geology	39	12
24 = Physics	16	8
25 = General and all other science	125	58

1
Page 108

Special Education		
26 = Mentally retarded	128	13
27 = Emotionally disturbed	81	24
28 = Learning disabled	284	36
29 = Speech and hearing impaired	83	7
30 = Other special education	63	6
31 = Vocational education	129	3
32 = All others	68	14

TSC076 423 - 423

1 = Teaching schedule equally divided between two fields	188	132
bl = Not applicable	0	0

TSC077 424 - 424 16b.
Are some of your classes at THIS SCHOOL in other fields?

1 = Yes	1762	953
2 = No	2885	997
9 = Not answered	165	1
bl = Not applicable	0	0

TSC078 425 - 426 In what field do you teach the second most classes

(SEE APPENDIX 'E' FOR FREQUENCIES)

TSC079 427 - 428 17a.
What field do you feel BEST QUALIFIED to teach?

(SEE APPENDIX 'E' FOR FREQUENCIES)

TSC080 429 - 429 17b.
Do you feel qualified to teach any other fields?

1 = Yes	3320	1435
2 = No	1388	464
9 = Not answered	104	52
bl = Not applicable	0	0

TSC081 430 - 431 For what field do you feel second best

1

qualified?

(SEE APPENDIX 'E' FOR FREQUENCIES)

TSC082 432 - 432 18.

Has your primary teaching assignment field
changed since you began teaching?

1 = Yes	1363	485
2 = No	3412	1442
9 = Not answered	37	24
bl = Not applicable	0	0

TSC083 433 - 434 What was your previous primary assignment field?

(SEE APPENDIX 'E' FOR FREQUENCIES)

TSC084 435 - 436 Counting this year, how many years has your primary assignment field remained unchanged?

1-70 = Years

Maximum	42	48
Minimum	1	1
Mean	6.879	6.024
Standard Dev	6.706	7.135
99 = Not answered	205	87
bl = Not applicable	3412	1442

TSC099 463 - 463 20a.
Does your teaching assignment AT THIS SCHOOL include any classes in mathematics, computer science, biological/life science, earth science, or physical science in grades 7-12?

1 = Yes	1280	616
2 = No	3464	1295
9 = Not answered	68	40

TSC100 464 - 465 20b.
For each of the following science fields, how many undergraduate and graduate COURSES have you taken in that subject area?

1
Page 110

a. Mathematics

0-90 = Number of undergraduate semester courses

Maximum	80	60
Minimum	0	0
Mean	6.943	5.336
Standard Dev	8.828	6.894
99 = Not answered	466	212
bl = Not applicable	3464	1295

TSC101 466 - 467

0-90 = Number of undergraduate quarter courses

Maximum	84	50
Minimum	0	0
Mean	5.023	3.264
Standard Dev	10.599	7.645
99 = Not answered	922	429
bl = Not applicable	3464	1295

TSC102 468 - 469

0-90 = Number of graduate semester courses

Maximum	75	40
Minimum	0	0
Mean	2.678	1.96
Standard Dev	6.154	5.288
99 = Not answered	798	406
bl = Not applicable	3464	1295

TSC103 470 - 471

0-90 = Number of graduate quarter courses

Maximum	80	36
Minimum	0	0
Mean	1.366	0.542
Standard Dev	6.399	3.0
99 = Not answered	990	453
bl = Not applicable	3464	1295

1

Page 111

TSC104 472 - 473 b. Computer Science

0-90 = Number of undergraduate semester courses

Maximum	24	30
Minimum	0	0
Mean	1.441	1.172
Standard Dev	2.98	2.589
99 = Not answered	648	308
bl = Not applicable	3464	1295

TSC105 474 - 475

0-90 = Number of undergraduate quarter courses

Maximum	30	15
Minimum	0	0
Mean	0.937	0.456
Standard Dev	2.974	6.513
99 = Not answered	965	452
bl = Not applicable	3464	1295

TSC106 476 - 477

0-90 = Number of graduate semester courses

Maximum	30	20
Minimum	0	0
Mean	1.317	0.719
Standard Dev	3.033	2.349
99 = Not answered	846	425
bl = Not applicable	3464	1295

TSC107 478 - 479

0-90 = Number of graduate quarter courses

Maximum	15	8
Minimum	0	0
Mean	0.506	0.270
Standard Dev	1.891	1.152
99 = Not answered	1004	460
bl = Not applicable	3464	1295

1
Page 112

TSC108 480 - 481 c. Biology

0-90 = Number of undergraduate semester courses

Maximum	64	64
Minimum	0	0
Mean	4.873	4.107
Standard Dev	7.858	8.199
99 = Not answered	582	273
bl = Not applicable	3464	1295

TSC109 482 - 483

0-90 = Number of undergraduate quarter courses

Maximum	60	60
Minimum	0	0

Mean	2.701	2.624
Standard Dev	6.719	7.831
99 = Not answered	967	451
bl = Not applicable	3464	1295

TSC110 484 - 485

0-90 = Number of graduate semester courses

Maximum	29	32
Minimum	0	0
Mean	1.093	1.312
Standard Dev	3.242	4.357
99 = Not answered	919	438
bl = Not applicable	3464	1295

TSC111 486 - 487

0-90 = Number of graduate quarter courses

Maximum	55	60
Minimum	0	0
Mean	0.75	0.478
Standard Dev	4.221	4.624
99 = Not answered	1032	474
bl = Not applicable	3464	1295

1

Page 113

TSC112 488 - 489 d. Chemistry

0-90 = Number of undergraduate semester courses

Maximum	50	41
Minimum	0	0
Mean	2.745	2.751
Standard Dev	5.201	5.513

99 = Not answered	635	298
bl = Not applicable	3464	1295

TSC113 490 - 491

0-90 Number of undergraduate quarter courses

Maximum	40	80
Minimum	0	0
Mean	1.858	0.785
Standard Dev	5.181	5.798
99 = Not answered	981	451
bl = Not applicable	3464	1295

TSC114 492 - 493

0-90 = Number of graduate semester courses

Maximum	60	80
Minimum	0	0
Mean	0.538	0.785
Standard Dev	3.289	5.798
99 = Not answered	935	447
bl = Not applicable	3464	1295

TSC115 494 - 495

0-90 = Number of graduate quarter courses

Maximum	30	30
Minimum	0	0
Mean	0.395	0.25
Standard Dev	2.493	2.341
99 = Not answered	1037	472
bl = Not applicable	3464	1295

1

TSC116 496 - 497 e. Physics

0-90 = Number of undergraduate semester courses

Maximum	36	27
Minimum	0	0
Mean	1.778	1.647
Standard Dev	3.098	3.403
99 = Not answered	660	305
bl = Not applicable	3464	1295

TSC117 498 - 499

0-90 = Number of undergraduate semester courses

Maximum	74	25
Minimum	0	0
Mean	1.427	0.897
Standard Dev	5.529	3.031
99 = Not answered	980	452
bl = Not applicable	3464	1295

TSC118 500 - 501

0-90 = Number of graduate semester courses

Maximum	9	24
Minimum	0	0
Mean	0.296	0.309
Standard Dev	1.098	1.955
99 = Not answered	942	446
bl = Not applicable	3464	1295

TSC119 502 - 503

0-90 = Number of graduate quarter courses

Maximum	24	18
Minimum	0	0
Mean	0.241	0.168
Standard Dev	1.641	1.628
99 = Not answered	1037	471
bl = Not applicable	3464	1295

1

Page 115

TSC120 504 - 505 f. Earth/space science

0-90 = Number of undergraduate semester courses

Maximum	43	44
Minimum	0	0
Mean	1.938	1.745
Standard Dev	3.963	4.237
99 = Not answered	656	299
bl = Not applicable	3464	1295

TSC121 506 - 507

0-90 = Number of undergraduate quarter courses

Maximum	55	32
Minimum	0	0
Mean	1.471	1.283
Standard Dev	4.521	3.632
99 = Not answered	974	451
bl = Not applicable	3464	1295

TSC122 508 - 509

0-90 = Number of graduate semester courses

Maximum	30	6
Minimum	0	0

Mean	0.787	0.256
Standard Dev	2.968	0.900
99 = Not answered	921	445
bl = Not applicable	3464	1295

TSC123 510 - 511

0-90 = Number of Graduate quarter courses

Maximum	45	78
Minimum	0	0
Mean	0.388	0.464
Standard Dev	2.767	5.804
99 = Not answered	1028	475
bl = Not applicable	3464	1295

1
Page 116

TSC124 512 - 513 g. Other natural science

0-90 = Number of undergraduate semester courses

Maximum	36	38
Minimum	0	0
Mean	1.577	1.271
Standard Dev	3.689	3.141
99 = Not answered	754	335
bl = Not applicable	3464	1295

TSC125 514 - 515

0-90 = Number of undergraduate quarter courses

Maximum	60	30
Minimum	0	0
Mean	1.090	0.807
Standard Dev	3.999	3.086

99 = Not answered	993	459
bl = Not applicable	3464	1295

TSC126 516 - 517

0-90 Number of graduate semester courses

Maximum	30	12
Minimum	0	0
Mean	0.631	0.305
Standard Dev	2.554	1.311
99 = Not answered	944	453
bl = Not applicable	3464	1295

TSC127 518 - 519

0-90 = Number of graduate quarter courses

Maximum	14	1
Minimum	0	0
Mean	0.279	0.011
Standard Dev	1.365	0.105
99 = Not answered	1033	477
bl = Not applicable	3464	1295

1

Page 117

TSC128 520 - 520 21.
Did you take any education or teaching related inservice or college courses requiring 30 or more hours of classroom study during the past two school years?

1 = Yes	1731	575
2 = No	3038	1353
9 = Not answered	43	23
bl = Not applicable	0	0

TSC129 521 - 522 For what assignment field was this training relevant?

(SEE APPENDIX 'E' FOR FREQUENCIES)

TSC130 523 - 524 22.
What was your MAJOR purpose for taking this training?

1 = To fulfill initial certification requirements for current position	477	193
2 = To maintain and/or improve qualifications for current position	735	230
3 = To retrain to teach a different subject matter area	77	28
4 = To retrain to teach at a different grade level	13	7
5 = To retrain to teach handicapped students or students with Learning disabilities	33	12
6 = To acquire credentials in new nonteaching areas	161	27
99 = Not answered	80	36
bl = Not applicable	3038	1353

TSC131 525 - 525 23a.
Do you have a teaching certificate in this state in your?

(1) Primary assignment field

1 = Yes	4552	1247
2 = No	176	691
9 = Not answered	84	13
bl = Not applicable	0	0

TSC134 529 - 529 (2) Secondary assignment field (if any)

1 = Yes	953	253
2 = No	502	529
9 = Not answered	472	172
bl = No secondary field	2885	997

TSC137 533 - 533 (3) Best qualified field (if different from above)

1 = Yes	341	110
2 = No	128	159
9 = Not answered	426	195
bl = Same as primary or secondary field	3917	1487

TSC132 526 - 526 23b.
If you do, what type of certification do you hold in?

(1) Primary assignment field

TYPE OF CERTIFICATION

1 = Regular or standard state certification	3282	819
2 = Probationary certification	219	62
3 = Temporary, provisional, or emergency certification	288	141
4 = Full certification by accrediting or certifying body other than state	2	54
9 = Not answered	845	184
bl = Not applicable	176	691

TSC135 530 - 530 (2) Secondary assignment field (if any)

TYPE OF CERTIFICATION

1 = Regular or standard state certification	610	159
2 = Probationary certification	41	7
3 = Temporary, provisional, or emergency		

certification	65	28
4 = Full certification by accrediting or certifying body other than state	0	12
9 = Not answered	709	219
bl = Not applicable	3387	1526

1

Page 119

TSC138 534 - 534 (3) Best qualified field (if different from above)

TYPE OF CERTIFICATION

1 = Regular or standard state certification	224	72
2 = Probationary certification	20	3
3 = Temporary, provisional, or emergency certification	21	11
4 = Full certification by accrediting or certifying body other than state	0	9
9 = Not answered	502	210
bl = Not applicable	4045	1646

TSC133 527 - 528 23c.
In what year were you certified in each field?

(1) Primary assignment field

17-88 = Year

Maximum	88	88
Minimum	19	30
Mean	77.061	79.577
Standard Dev	9.936	8.684
99 = Not answered	404	148
bl = Not applicable	176	691

TSC136 531 - 532 (2) Secondary assignment field

```
          17-88 = Year

          Maximum                                          88        88
          Minimum                                          40        44
          Mean                                             77.482    79.327
          Standard Dev                                     9.985     8.870

          99 = Not answered                                583       202
          bl = Not applicable                              3387      1526


     TSC139   535 - 536    (3) Best qualified field (if different from
                           above)

          17-88  =  Year

          Maximum                                          88        88


1
Page 120


          Minimum                                          42        44
          Mean                                             78.592    80.094
          Standard Dev                                     9.471     8.447

          99 = Not answered                                463       210
          bl = Not applicable                              4045      1646


     TSC140   537 - 537    24.
                           In what grade levels are the students in your
                           classes at this school?

          1 = Prekindergarten                              98        100
          9 = No answer to question 24                     4         1
          bl = Not applicable                              4710      1850


     TSC141   538 - 538

          2 = Kindergarten                                 646       331
          9 = No answer to question 24                     4         1
          bl = Not applicable                              4162      1619
```

TSC142 539 - 539

3 = 1st	863	456
9 = No answer to question 24	4	1
bl = Not applicable	3945	1494

TSC143 540 - 540

4 = 2nd	872	457
9 = No answer to question 24	4	1
bl = Not applicable	3936	1493

TSC144 541 - 541

5 = 3rd	859	464
9 = No answer to question 24	4	1
bl = Not applicable	3949	1486

TSC145 542 - 542

6 = 4th	909	462
9 = No answer to question 24	4	1
bl = Not applicable	3899	1488

1

Page 121

TSC146 543 - 544

7 = 5th	944	496
99 = No answer to question 24	4	1
bl = Not applicable	3864	1454

TSC147 545 - 546

8 = 6th	928	502
99 = No answer to question 24	4	1
bl = Not applicable	3880	1448

TSC148 547 - 548

9 = 7th	969	555
99 = No answer to question 24	4	1
bl = Not answered	3839	1395

TSC149 549 - 550

10 = 8th	1037	422
99 = No answer to question 24	4	1
bl = Not applicable	3771	1401

TSC150 551 - 552

11 = 9th	1372	422
99 = No answer to question 24	4	1
bl = Not applicable	3436	1528

TSC151 553 - 554

12 = 10th	1435	452
99 = No answer to question 24	4	1
bl = Not applicable	3373	1498

TSC152 555 - 556

13 = 11th	1441	428
99 = No answer to question 24	4	1
bl = Not applicable	3367	1522

TSC153 557 - 558

1
Page 122

14 = 12th	1429	405

99 = No answer to question 24	4	1
bl = Not applicable	3379	1545

TSC154 559 - 560

15 = 13th	23	13
99 = No answer to question 24	4	1
bl = Not applicable	4785	1937

TSC155 561 - 562

16 = 14th	16	4
99 = No answer to question 24	4	1
bl = Not applicable	4792	1946

TSC156 563 - 564

17 = Ungraded	193	50
99 = No answer to question 24	4	1
bl = Not applicable	4615	1900

TSC157 565 - 565 25.
Which of the following best describes the way your classes at this school are organized?

1 = Self-contained class	1752	957
2 = Departmentalized instruction	2354	833
3 = Team teaching	184	97
4 = "Pull out" class	509	60
9 = Not answered	13	4
bl = Not applicable	0	0

TSC158 566 - 568 26a.
At this school, how many students were enrolled in the class or program you taught during the most recent full week school was in session?

1-120 = Students

Maximum	120	120

Minimum	1	1
Mean	24.717	21.691
Standard Dev	16.126	13.385

1

99 = Not answered	130	41
bl = Not applicable	2446	867

TSC159 569 - 570 26b.
Approximately how many hours did you spend teaching the following subjects during the week?

(1) English/reading/language arts

0 = None
1-40 = Hours

Maximum	40	35
Minimum	0	0
Mean	9.388	8.109
Standard Dev	6.850	5.279
99 = Not answered	162	74
bl = Not applicable	2446	867

TSC160 571 - 572 (2) Arithmetic/mathematics

0 = None
1-40 = Hours

Maximum	40	40
Minimum	0	0
Mean	4.445	4.337
Standard Dev	4.009	3.175
99 = Not answered	193	80
bl = Not applicable	2446	867

TSC161 573 - 574 (3) Social studies/history

0 = None
1-40 = Hours

Maximum	40	40
Minimum	0	0
Mean	2.473	2.402
Standard Dev	3.180	2.651
99 = Not answered	237	94
bl = Not applicable	2446	867

1
Page 124

TSC162 575 - 576 (4) Science

0 = None
1-40 = Hours

Maximum	40	40
Minimum	0	0
Mean	2.251	2.322
Standard Dev	3.219	3.096
99 = Not answered	243	96
bl = Not applicable	2446	867

TSC163 577 - 577 26c.
Did you assign any homework during the most recent full week?

1 = Yes	1603	832
2 = No	715	227
9 = Not answered	48	25
bl = Not applicable	2446	867

TSC164 578 - 578 26d.

Which of the following best describes the general academic achievement level of your students relative to the other students at this school?

1 = Primarily higher achieving students	199	254
2 = Primarily average achieving students	733	453
3 = Primarily lower achieving students	629	57
4 = Students of widely differing achievement levels	765	299
9 = Not answered	40	21
bl = Not applicable	2446	867

TSC165 579 - 579 27.
The following refer to the subject matter classes you taught AT THIS SCHOOL during the most recent FULL week school was in session?

1 = School day is not organized by class periods	80	32
bl = Not applicable	4550	1854

1

Page 125

TSC166 580 - 581 a. What was the subject (SEE APPENDIX 'F' FOR
TSC173 592 - 593 FREQUENCIES) matter of each class you taught
TSC180 604 - 605
TSC187 616 - 617
TSC194 628 - 629
TSC201 640 - 641
TSC208 652 - 653
TSC215 664 - 665
TSC222 676 - 677

Business/vocational
11 = Accounting/bookkeeping
12 = Shorthand
13 = Typing

14 = Other business education courses
15 = Career ed.
16 = Agriculture
17 = Industrial arts
18 = Home economics
19 = Other vocational, trade, and industrial education

English/language arts
21 = Literature
22 = Composition/journalism/creative writing
23 = Reading
24 = English as a second language
25 = Other English/language arts courses

Foreign languages
31 = French
32 = German
33 = Latin
34 = Russian
35 = Spanish
36 = Other foreign language

Mathematics
41 = General math
42 = Business math
43 = Algebra, elem. Algebra, intermediate
45 = Algebra, advanced
46 = Geometry, plane/solid
47 = Trigonometry
48 = Analytic geometry/math analysis
Probability/statistics
50 = Calculus
51 = Other mathematics

Computer science
52 = Computer awareness/applications
53 = Computer programming

1
Page 126

54 = Other computer science

Natural science

61 = General science
62 = Biology/life science
63 = Chemistry
64 = Physics
65 = Earth/space science
66 = Other physical science
67 = Other natural science

Social science
70 = Social studies
71 = History
72 = World civilization
73 = Political science/government
74 = Geography
75 = Economics
76 = Civics
77 = Sociology/social organization
78 = Other social sciences

Visual and performing arts
81 = Arts and crafts
82 = Filmmaking/photography
83 = Chorus
84 = Bard
85 = Drama/theater/dance
86 = Music
87 = Other visual/performing arts

Other areas
91 = Driver ed.
92 = Health
93 = Philosophy/religion
94 = Physical ed.
95 = Psychology
96 = Other courses not elsewhere classified
99 = Not answered
bl = Not applicable

TSC167 582 - 583 b. For how many periods per week does each class meet?

1-40 = Periods

Maximum	40	40
Minimum	1	1

Mean	5.458	5.087
Standard Dev	3.899	3.532

1

99 = Not answered	273	92
bl = Not applicable	2661	1194

TSC174 594 - 595

1-40 = Periods

Maximum	40	40
Minimum	1	1
Mean	4.942	4.699
Standard Dev	2.356	2.709
99 = Not answered	252	87
bl = Not applicable	2779	1242

TSC181 606 - 607

1-40 = Periods

Maximum	40	35
Minimum	1	1
Mean	4.826	4.589
Standard Dev	2.087	2.393
99 = Not answered	257	86
bl = Not applicable	2838	1255

TSC188 618 - 619

1-40 = Periods

Maximum	40	35
Minimum	1	1
Mean	4.817	4.480
Standard Dev	1.984	2.469

```
          99 = Not answered                                   252       87
          bl = Not applicable                                 2977      1312


     TSC195   630 - 631

          1-40  =  Periods

          Maximum                                             35        40
          Minimum                                             1         1
          Mean                                                4.769     4.442
          Standard Dev                                        1.927     2.899


1
Page 128


          99 = Not answered                                   241       83
          bl = Not applicable                                 3116      1386


     TSC202   642 - 643

          1-40  =  Periods

          Maximum                                             30        35
          Minimum                                             1         1
          Mean                                                4.732     4.276
          Standard Dev                                        1.872     2.911

          99 = Not answered                                   227       81
          bl = Not applicable                                 3318      1471


     TSC209   654 - 655

          1-40  =  Periods

          Maximum                                             40        40
          Minimum                                             1         1
          Mean                                                4.649     4.259
          Standard Dev                                        1.945     3.566

          99 = Not answered                                   217       79
```

bl = Not applicable	3787	1544

TSC216 666 - 667

1-40 = Periods

Maximum	40	40
Minimum	1	1
Mean	4.36	3.951
Standard Dev	2.784	3.773
99 = Not answered	207	74
bl = Not applicable	4330	1715

TSC223 678 - 679

1-40 = Periods

Maximum	40	20
Minimum	1	1
Mean	4	3.957
Standard Dev	3.807	3.565

1

Page 129

99 = Not answered	207	72
bl = Not applicable	4487	1809

TSC168 584 - 585 c. What is the grade level of MOST of the students in each of your classes

1 = Grade level	39	17
2 =	17	11
3 =	22	9
4 =	29	19
5 =	61	37
6 =	133	47
7 =	228	75
8 =	204	64
9 =	268	76

10 =	202	73
11 =	161	57
12 =	144	54
13 = Prekindergarten	2	4
14 = Kindergarten	31	27
15 = Ungraded	32	5
99 = Not answered	578	182
bl = Not applicable	2661	1194

TSC175 596 - 597

1 = Grade level	37	22
2 =	32	21
3 =	22	14
4 =	39	13
5 =	63	42
6 =	112	50
7 =	194	77
8 =	224	76
9 =	223	70
10 =	199	58
11 =	174	56
12 =	150	45
13 = Prekindergarten	0	1
14 = Kindergarten	13	10
15 = Ungraded	31	6
99 = Not answered	520	148
bl = Not applicable	2779	1242

TSC182 608 - 609

1 = Grade level	21	16
2 =	32	22

1
Page 130

3 =	29	22
4 =	42	16
5 =	68	29
6 =	114	50
7 =	200	65

8 =	193	68
9 =	246	65
10 =	180	64
11 =	152	62
12 =	156	49
13 = Prekindergarten	0	1
14 = Kindergarten	15	8
15 = Ungraded	21	6
99 = Not answered	505	153
bl = Not applicable	2838	1255

TSC189 620 - 621

1 = Grade level	18	11
2 =	21	10
3 =	41	23
4 =	36	24
5 =	56	35
6 =	100	45
7 =	172	66
8 =	186	62
9 =	199	52
10 =	190	57
11 =	155	42
12 =	128	57
13 = Prekindergarten	0	0
14 = Kindergarten	14	2
15 = Ungraded	29	6
99 = Not answered	490	147
bl = Not applicable	2977	1312

TSC196 632 - 633

1 = Grade level	18	3
2 =	28	3
3 =	20	15
4 =	34	28
5 =	70	38
6 =	91	48
7 =	151	53
8 =	178	60
9 =	20	448
10 =	158	37
11 =	139	46

1

12 =	119	40
13 = Prekindergarten	0	1
14 = Kindergarten	8	3
15 = Ungraded	18	6
99 = Not answered	456	140
bl = Not applicable	3116	1386

TSC203 644 - 645

1 = Grade level	22	6
2 =	18	5
3 =	8	9
4 =	25	11
5 =	59	42
6 =	90	47
7 =	148	44
8 =	159	44
9 =	181	24
10 =	126	37
11 =	117	26
12 =	91	35
13 = Prekindergarten	1	1
14 = Kindergarten	9	3
15 = Ungraded	20	9
99 = Not answered	420	137
bl = Not applicable	3318	1471

TSC210 656 - 657

1 = Grade level	13	5
2 =	15	2
3 =	7	5
4 =	12	8
5 =	30	18
6 =	71	43
7 =	82	45
8 =	131	32
9 =	112	26

10 =	74	39
11 =	65	25
12 =	50	24
13 = Prekindergarten	0	0
14 = Kindergarten	12	2
15 = Ungraded	9	4
99 = Not answered	342	129
bl = Not applicable	3787	1544

TSC217 668 - 669

1
Page 132

1 = Grade level	5	2
2 =	11	0
3 =	7	2
4 =	11	4
5 =	14	7
6 =	22	14
7 =	35	24
8 =	33	23
9 =	26	16
10 =	26	13
11 =	28	11
12 =	13	12
13 = Prekindergarten	0	3
14 = Kindergarten	3	1
15 = Ungraded	34	4
99 = Not answered	245	100
bl = Not applicable	4330	1715

TSC224 680 - 681

1 = Grade level	7	1
2 =	2	2
3 =	8	3
4 =	6	1
5 =	6	2
6 =	8	7
7 =	11	8
8 =	24	11

9 =	6	3
10 =	10	7
11 =	7	2
12 =	3	9
13 = Prekindergarten	0	0
14 = Kindergarten	1	2
15 = Ungraded	1	2
99 = Not answered	225	82
bl = Not applicable	4487	1809

TSC169 586 - 588 d. Now many students are enrolled in each class period

1-120 = Students

Maximum	120	120
Minimum	1	1
Mean	23.368	19.695
Standard Dev	13.635	13.115
99 = Not answered	289	104

1

Page 133

bl = Not Applicable	2661	1194

TSC176 598 - 600

1-120 = Students

Maximum	115	120
Minimum	1	1
Mean	22.114	19.027
Standard Dev	11.247	11.281
99 = Not answered	258	89
bl = Not Applicable	2779	1242

TSC183 610 - 612

1-120 = Students

```
          Maximum                                        120       92
          Minimum                                        1         1
          Mean                                           22.458    18.761
          Standard Dev                                   11.387    10.958

          99 = Not answered                              251       84
          bl = Not applicable                            2838      1255


     TSC190   622 - 624

          1-120 = Students

          Maximum                                        116       93
          Minimum                                        1         1
          Mean                                           22.231    18.517
          Standard Dev                                   10.778    9.882

          99 = Not answered                              245       86
          bl = Not applicable                            2977      1312


     TSC197   634 - 636

          1-120  =  Students

          Maximum                                        120       90
          Minimum                                        1         1
          Mean                                           22.261    18.773
          Standard Dev                                   11.087    11.121

          99 = Not answered                              247       85


1
Page 134


          bl = Not applicable                            3116      1386


     TSC204   646 - 648

          1-120  =  Students
```

```
     Maximum                                    120       117
     Minimum                                    1         1
     Mean                                       22.138    19.661
     Standard Dev                               12.128    12.898

     99 = Not answered                          236       82
     bl = Not applicable                        3318      1471


TSC211   658 - 660

     1-120  =  Students

     Maximum                                    105       110
     Minimum                                    1         1
     Mean                                       21.109    18.685
     Standard Dev                               10.788    11.559

     99 = Not answered                          225       86
     bl = Not applicable                        3787      1544


TSC218   670 - 672

     1-120  =  Students

     Maximum                                    88        40
     Minimum                                    1         1
     Mean                                       21.896    18.121
     Standard Dev                               12.183    8.502

     99 = Not answered                          213       79
     bl = Not applicable                        4330      1715


TSC225   682 - 684

     1-120  =  Students

     Maximum                                    93        94
     Minimum                                    2         1
     Mean                                       23.141    21.179
     Standard Dev                               13.702    18.510
```

99 = Not answered		204	75
bl = Not applicable		4487	1809

TSC170 589 - 589 e. Did you assign homework during the Last full week

1 = Yes		1331	507
2 = No		540	160
9 = Not answered		280	90
bl = Not applicable		2661	1194

TSC177 601 - 601

1 = Yes		1239	485
2 = No		514	133
9 = Not answered		280	91
bl = Not applicable		2779	1242

TSC184 613 - 613

1 = Yes		1200	474
2 = No		489	138
9 = Not answered		285	84
bl = Not applicable		2838	1255

TSC191 625 - 625

1 = Yes		1079	405
2 = No		470	148
9 = Not answered		286	86
bl = Not applicable		2977	1312

TSC198 637 - 637

1 = Yes		967	355
2 = No		445	126
9 = Not answered		284	84

```
          bl = Not applicable                                3116      1386


     TSC205   649 - 649

          1 = Yes                                            816       276
          2 = No                                             406       115
          9 = Not answered                                   272       89
          bl = Not applicable                                3318      1471


1
Page 136


     TSC212   661 - 661

          1 = Yes                                            504       204
          2 = No                                             270       113
          9 = Not answered                                   251       90
          bl = Not applicable                                3787      1544


     TSC219   673 - 673

          1 = Yes                                            151       84
          2 = No                                             126       75
          9 = Not answered                                   205       77
          bl = Not applicable                                4330      1715


     TSC226   685 - 685

          1 = Yes                                            61        32
          2 = No                                             69        39
          9 = Not answered                                   195       71
          bl = Not applicable                                4487      1809


     TSC171   590 - 590    f.  What is the (SEE APPENDIX 'G' FOR
     TSC178   602 - 602        FREQUENCIES) achievement level of students in
     TSC185   614 - 614        each class you taught, relative to others at
     TSC192   626 - 626        this school
     TSC199   638 - 638
     TSC206   650 - 650
     TSC213   662 - 662
```

TSC220 674 - 674
TSC227 686 - 686

1 = Primarily higher achieving students
2 = Primarily average achieving students
3 = Primarily lower achieving students
4 = Students of widely differing achievement levels
9 = Not answered
bl = Not applicable

TSC172 591 - 591
TSC179 603 - 603
TSC186 615 - 615
TSC193 627 - 627
TSC200 639 - 639
TSC207 651 - 651
TSC214 663 - 663
TSC221 675 - 675
TSC228 687 - 687

g. For each class (SEE APPENDIX 'H' FOR FREQUENCIES) period you taught, was it advanced placement, bilingual, gifted, remedial, or special education

1

Page 137

1 = Advanced placement (AP) - allows completion of college level credit
2 = Bilingual
3 = Gifted
4 = Remedial
5 = Special education
6 = None of the above
9 = Not answered
bl = Not applicable

TSC238 706 - 706

29. Do you agree or disagree with each of the following statements?

a. Teachers in this school are evaluated fairly

1 = Strongly agree	1764	895
2 = Somewhat agree	2185	742

3 = Somewhat disagree	564	189
4 = Strongly disagree	257	91
9 = Not answered	42	34

TSC239 707 - 707 b. The principal (school head) Lets staff members know what is expected

1 = Strongly agree	2212	909
2 = Somewhat agree	1781	713
3 = Somewhat disagree	563	220
4 = Strongly disagree	228	95
9 = Not answered	28	14

TSC240 708 - 708 c. The school administration's behavior toward the staff is supportive and encouraging

1 = Strongly agree	1892	1055
2 = Somewhat agree	1755	568
3 = Somewhat disagree	749	207
4 = Strongly disagree	386	109
9 = Not answered	30	12

TSC241 709 - 709 d. I am satisfied with my teaching salary

1 = Strongly agree	436	205
2 = Somewhat agree	1590	467
3 = Somewhat disagree	1218	446
4 = Strongly disagree	1542	807

1
Page 138

9 = Not answered	26	26

TSC242 710 - 710 e. The level of student misbehavior in this school interferes with my teaching

1 = Strongly agree	627	127
2 = Somewhat agree	1514	446
3 = Somewhat disagree	1162	457

4 = Strongly disagree	1476	896
9 = Not answered	33	25

TSC243 711 - 711 f. Teachers participate in making most of the important decisions in this school

1 = Strongly agree	678	491
2 = Somewhat agree	2019	860
3 = Somewhat disagree	1253	356
4 = Strongly disagree	818	220
9 = Not answered	44	24

TSC244 712 - 712 g. I receive a great deal of support from parents for the work I do

1 = Strongly agree	780	714
2 = Somewhat agree	1999	834
3 = Somewhat disagree	1221	277
4 = Strongly disagree	781	105
9 = Not answered	31	21

TSC245 713 - 713 h. Necessary materials are available as needed by the staff

1 = Strongly agree	1687	858
2 = Somewhat agree	1818	703
3 = Somewhat disagree	862	271
4 = Strongly disagree	424	106
9 = Not answered	21	13

TSC246 714 - 714 i. The principal (school head) does a poor job of getting resources for this school

1 = Strongly agree	200	86
2 = Somewhat agree	701	277
3 = Somewhat disagree	1557	570
4 = Strongly disagree	2313	993
9 = Not answered	41	25

1

TSC247 715 - 715 j. Routine duties and paperwork interfere with my job of teaching

1 = Strongly agree	1306	188
2 = Somewhat agree	2090	620
3 = Somewhat disagree	920	576
4 = Strongly disagree	472	555
9 = Not answered	24	12

TSC248 716 - 716 k. My principal (school head) enforces school rules for student conduct and backs me up when I need it

1 = Strongly agree	2336	1128
2 = Somewhat agree	1557	517
3 = Somewhat disagree	553	186
4 = Strongly disagree	325	99
9 = Not answered	41	21

TSC249 717 - 717 l. The principal (school head) talks with me frequently about my instructional practices

1 = Strongly agree	606	304
2 = Somewhat agree	1688	707
3 = Somewhat disagree	1439	537
4 = Strongly disagree	1034	383
9 = Not answered	45	20

TSC250 718 - 718 m. Rules for student behavior are consistently enforced by teachers in this school, even for students who are not in their classes

1 = Strongly agree	1126	734
2 = Somewhat agree	1868	704
3 = Somewhat disagree	1077	324
4 = Strongly disagree	709	167
9 = Not answered	32	22

TSC251 719 - 719 n. Most of my colleagues share my beliefs and values about what the central mission of the

school should be

1 = Strongly agree	1583	1071
2 = Somewhat agree	2505	691
3 = Somewhat disagree	542	137
4 = Strongly disagree	141	31
9 = Not answered	41	21

1
Page 140

TSC252 720 - 720 o. The principal (school head) knows what kind of school he/she wants and has communicated it to the staff

1 = Strongly agree	2051	1007
2 = Somewhat agree	1711	630
3 = Somewhat disagree	738	205
4 = Strongly disagree	277	96
9 = Not answered	35	13

TSC253 721 - 721 p. There is a great deal of cooperative effort among staff members

1 = Strongly agree	1654	1013
2 = Somewhat agree	2040	680
3 = Somewhat disagree	820	180
4 = Strongly disagree	270	61
9 = Not answered	28	17

TSC254 722 - 722 q. In this school, staff members are recognized for a job well done

1 = Strongly agree	1177	671
2 = Somewhat agree	1965	781
3 = Somewhat disagree	1081	326
4 = Strongly disagree	560	155
9 = Not answered	29	18

TSC255 723 - 723 r. I have to follow rules in this school that conflict with my best professional judgment

1 = Strongly agree	310	127
2 = Somewhat agree	1032	326
3 = Somewhat disagree	1550	484
4 = Strongly disagree	1885	994
9 = Not answered	35	20

TSC256 724 - 724 s. I am satisfied with my class size

1 = Strongly agree	1780	1127
2 = Somewhat agree	1549	498
3 = Somewhat disagree	769	193
4 = Strongly disagree	683	121
9 = Not answered	31	12

TSC257 725 - 725 t. I make a conscious effort to coordinate the

1

Page 141

content of my courses with that of other teachers

1 = Strongly agree	1861	746
2 = Somewhat agree	2147	860
3 = Somewhat disagree	570	225
4 = Strongly disagree	168	85
9 = Not answered	66	35

TSC258 726 - 726 u. Goals and priorities for the school are clear

1 = Strongly agree	1755	944
2 = Somewhat agree	2025	650
3 = Somewhat disagree	736	238
4 = Strongly disagree	264	101
9 = Not answered	32	18

TSC259 727 - 727 v. The amount of student tardiness and class cutting in this school interferes with my

teaching

1 = Strongly agree	569	103
2 = Somewhat agree	1137	288
3 = Somewhat disagree	1080	357
4 = Strongly disagree	1991	1181
9 = Not answered	35	22

TSC260 728 - 728 w. I sometimes feel it is a waste of time to try to do my best as a teacher

1 = Strongly agree	410	78
2 = Somewhat agree	1105	321
3 = Somewhat disagree	852	237
4 = Strongly disagree	2419	1299
9 = Not answered	26	16

TSC261 729 - 729 30.
If you could go back to your college days and start over again, would you become a teacher or not?

1 = Certainly would become a teacher	1521	807
2 = Probably would become a teacher	1290	542

1
Page 142

3 = Chances about even for and against	846	329
4 = Probably would not become a teacher	729	194
5 = Certainty would not become a teacher	401	65
9 = Not answered	25	14

TSC262 730 - 730 31.
Indicate the degree to which each of the

following matters is a problem in this school

a. Student

1 = Serious	482	81
2 = Moderate	1243	343
3 = Minor	1834	720
4 = Not a problem	1185	790
9 = Not answered	68	17

TSC263 731 - 731 b. Student absenteeism

1 = Serious	834	67
2 = Moderate	1534	312
3 = Minor	1644	751
4 = Not a problem	768	806
9 = Not answered	32	15

TSC264 732 - 732 c. Teacher absenteeism

1 = Serious	110	17
2 = Moderate	739	104
3 = Minor	1746	463
4 = Not a problem	2178	1354
9 = Not answered	39	13

TSC265 733 - 733 d. Students cutting class

1 = Serious	300	28
2 = Moderate	643	57
3 = Minor	1385	279
4 = Not a problem	2448	1573
9 = Not answered	36	14

TSC266 734 - 734 e. Physical conflicts among students

1

1 = Serious	288	39
2 = Moderate	949	140
3 = Minor	2212	698
4 = Not a problem	1336	1062
9 = Not answered	27	12

TSC267 735 - 735 f. Robbery or theft

1 = Serious	199	32
2 = Moderate	675	109
3 = Minor	2187	519
4 = Not a problem	1718	1280
9 = Not answered	33	11

TSC268 736 - 736 g. Vandalism of school property

1 = Serious	293	32
2 = Moderate	876	133
3 = Minor	2188	623
4 = Not a problem	1426	1151
9 = Not answered	29	12

TSC269 737 - 737 h. Student pregnancy

1 = Serious	360	13
2 = Moderate	568	20
3 = Minor	1200	131
4 = Not a problem	2648	1768
9 = Not answered	36	19

TSC270 738 - 738 i. Student use of alcohol

1 = Serious	608	69
2 = Moderate	991	155
3 = Minor	1041	276
4 = Not a problem	2127	1437
9 = Not answered	45	14

TSC271 739 - 739 j. Student drug abuse

1 = Serious	440	41

2 = Moderate	966	123
3 = Minor	1327	299
4 = Not a problem	2033	1473
9 = Not answered	46	15

1
Page 144

TSC272 740 - 740 k. Student possession of weapons

1 = Serious	89	8
2 = Moderate	252	8
3 = Minor	1236	113
4 = Not a problem	3194	1811
9 = Not answered	41	11

TSC273 741 - 741 l. Physical abuse of teachers

1 = Serious	38	15
2 = Moderate	127	15
3 = Minor	773	56
4 = Not a problem	3845	1855
9 = Not answered	29	10

TSC274 742 - 742 m. Verbal abuse of teachers

1 = Serious	436	64
2 = Moderate	883	150
3 = Minor	1935	569
4 = Not a problem	1533	1157
9 = Not answered	25	11

TSC275 743 - 743 32.
At this school, how much actual influence do you think teachers have over school policy in each of the areas below?

(Parts a through d of item 32 use a scale of 1 to 6 where 1 means "no influence" and 6 means "a great zeal of influence")

a. Determining discipline policy

1 = None	479	116
2 =	787	138
3 =	944	276
4 =	949	369
5 =	1016	542
6 = A great deal	600	494
9 = Not answered	37	16

TSC276 744 - 744 b. Determining the content of inservice programs

1 = None	641	307

1

2 =	839	260
3 =	971	326
4 =	883	381
5 =	935	368
6 = A great deal	503	266
9 = Not answered	40	43

TSC277 745 - 745 c. Setting policy on grouping students in classes by ability

1 = None	987	295
2 =	848	234
3 =	892	250
4 =	740	297
5 =	734	380
6 = A great deal	539	441
9 = Not answered	72	54

TSC278 746 - 746 d. Establishing curriculum

1 = None	544	168
2 =	688	155

3 =	924	244
4 =	933	332
5 =	1041	556
6 = A great deal	635	478
9 = Not answered	47	18

TSC279 747 - 747 33.
At this school, how much control do you feet you have IN YOUR CLASSROOM over each of the following areas of your planning and teaching

(Parts a through e of item 33 use a scale of 1 to 6 where 1 means "no control" and 6 means "complete control")

a. Selecting textbooks and other instructional materials

1 = None	379	121
2 =	510	154
3 =	619	220
4 =	698	280
5 =	1318	595
6 = Complete control	1257	565
9 = Not answered	31	16

1
Page 146

TSC280 748 - 748 b. Selecting content, topics, and skills to be taught

1 = None	294	66
2 =	407	77
3 =	518	165
4 =	664	242
5 =	1426	623
6 = Complete control	1473	764
9 = Not answered	30	14

TSC281 749 - 749 c. Selecting teaching techniques

1 = None	50	11
2 =	102	26
3 =	201	55
4 =	376	98
5 =	1382	484
6 = Complete control	1677	1263
9 = Not answered	24	14

TSC282 750 - 750 d. Disciplining students

1 = None	91	12
2 =	226	44
3 =	468	96
4 =	741	205
5 =	1615	710
6 = Complete control	1648	868
9 = Not answered	23	16

TSC283 751 - 751 e. Determining the amount of homework to be assigned

1 = None	59	21
2 =	80	17
3 =	175	58
4 =	307	134
5 =	1091	459
6 = Complete control	3046	1230
9 = Not answered	54	32

TSC284 752 - 753 34.
To what extent has each of the following people at this school helped you improve your teaching or solve an instructional or class management problem?

1

Page 147

(Parts a through d of item 34 use a scale of 1 to 6 where 1 means "no help" and 6 means

"extremely helpful")

a. Principal or school head

1 = No help	629	186
2 =	629	194
3 =	666	233
4 =	788	302
5 =	912	391
6 = Extremely helpful	1011	559
7 =	152	71
99 = Not answered	25	15

TSC285 754 - 755 b. Department chair

1 = No help	489	121
2 =	302	65
3 =	313	71
4 =	336	88
5 =	440	143
6 = Extremely helpful	489	200
7 =	2375	1230
99 = Not answered	68	33

TSC286 756 - 757 c. Other school administrators

1 = No help	911	215
2 =	559	123
3 =	557	145
4 =	567	147
5 =	645	179
6 = Extremely helpful	501	203
7 =	1023	913
99 = Not answered	49	26

TSC287 758 - 759 d. Other teachers

1 = No help	258	77
2 =	323	118
3 =	563	196
4 =	874	343
5 =	1233	513
6 = Extremely helpful	1345	591

7 =	185	96
99 = Not answered	31	17

1
Page 148

TSC288 760 - 760 35.
How long do you plan to remain in teaching?

1 = As long as I am able	1389	823
2 = Until I am eligible for retirement	1364	176
3 = Will probably continue unless something better comes along	668	254
4 = Definitely plan to leave teaching as soon as I can	432	163
5 = Undecided at this time	913	520
9 = Not answered	46	15

TSC289 761 - 762 36.
In how many years do you plan to retire?

0-70 = Years

Maximum	65	62
Minimum	0	0
Mean	18.029	3.193
Standard Dev	10.791	11.025
99 = Not answered	265	171
bl = Not applicable	2013	937

TSC290 763 - 764 37a.
Which best describes your MAIN ACTIVITY during the previous school year (1986-87)?

1 = Teaching in this school	3603	1357
2 = Teaching in another school in this school System (Teaching in another private school)	261	126
3 = Teaching in another public school		

system	243	0
4 = Teaching in a private school (Teaching in a public school)	46	69
5 = Teaching at the postsecondary level	16	6
6 = Attending a college or university	234	142
7 = Working in a nonteaching occupation in the field of education	54	30
8 = Working in an occupation outside the field of education	101	73
9 = Homemaking and/or child rearing	80	85
10 = Unemployed and seeking work	13	8
11 = Military service	2	1

1

Page 149

12 = Retired	7	1
13 = Other	122	46
99 = Not answered	30	7

TSC291 765 - 766 37b.
What do you expect your main activity will be during the next school year (1988-89)?

1 = Teaching in this school	2843	1028
2 = Teaching in another school in this school system (Teaching in another private school)	398	164
3 = Teaching in another public school system	385	0
4 = Teaching in a private school (Teaching in a public school)	18	224
5 = Teaching at the postsecondary level	20	12
6 = Attending a college or university	100	74
7 = Working in a nonteaching occupation in the field of education	87	40
8 = Working in an occupation outside the field of education	166	113
9 = Homemaking and/or child		

rearing	206	124
10 = Unemployed and seeking work	34	21
11 = Military service	1	1
12 = Retired	297	25
13 = Other	221	107
99 = Not answered	36	18

TSC292 767 - 767 38.
For each of the following pay incentives, please indicate whether you FAVOR OR OPPOSE the incentive, and whether you now receive the incentive.

(1) DO you FAVOR or OPPOSE the incentive?

a. Additional pay for assuming additional responsibilities as a master or mentor teacher

1 = Strongly favor	2868	1128
2 = Mildly favor	1354	625
3 = Mildly oppose	257	90
4 = Strongly oppose	270	48

1
Page 150

9 = Not answered	63	60

TSC294 769 - 769 b. Additional pay for teaching in a shortage field

1 = Strongly favor	1237	516
2 = Mildly favor	1428	691
3 = Mildly oppose	942	399
4 = Strongly oppose	1136	280
9 = Not answered	69	65

TSC296 771 - 771 c. Additional pay for teaching in a high-priority location

1 = Strongly favor	2035	870
2 = Mildly favor	1770	710
3 = Mildly oppose	505	192
4 = Strongly oppose	430	103
9 = Not answered	72	76

TSC298 773 - 773 d. Salary increases as part of a career ladder in which teachers progress through several promotional levels based on their performance

1 = Strongly favor	2079	1103
2 = Mildly favor	1456	593
3 = Mildly oppose	526	120
4 = Strongly oppose	675	79
9 = Not answered	76	56

TSC300 775 - 775 e. A merit pay bonus for exceptional performance in a given year

1 = Strongly favor	1430	823
2 = Mildly favor	1340	616
3 = Mildly oppose	773	265
4 = Strongly oppose	1205	190
9 = Not Answered	64	57

TSC302 777 - 777 f. A schoolwide bonus for all teachers in a school that shows exceptional performance or improvement in a given year

1 = Strongly favor	1729	824
2 = Mildly favor	1514	673
3 = Mildly oppose	662	254

1

Page 151

4 = Strongly oppose	837	137
9 = Not answered	70	63

TSC293 768 - 768 (2) Do you NOW RECEIVE the incentive?

a. Additional pay for assuming additional responsibilities as a master or mentor teacher

1 = Yes	365	108
2 = No	4302	1772
9 = Not answered	145	71

TSC295 770 - 770 b. Additional pay for teaching in a shortage field

1 = Yes	59	26
2 = No	4567	1829
9 = Not answered	186	96

TSC297 772 - 772 c. Additional pay for teaching in a high-priority location

1 = Yes	76	18
2 = No	4517	1823
9 = Not answered	219	110

TSC299 774 - 774 d. Salary increases as part of a career ladder in which teachers progress through several promotional levels based on their performance

1 = Yes	716	271
2 = No	3897	1583
9 = Not answered	199	97

TSC301 776 - 776 e. A merit pay bonus for exceptional performance in a given year

1 = Yes	108	66
2 = No	4492	1793
9 = Not answered	212	92

TSC303 778 - 778 f. A schoolwide bonus for all teachers in a school that shows exceptional performance or

improvement in a given year

1
Page 152

1 = Yes	130	59
2 = No	4473	1796
9 = Not answered	209	96

TSC304 779 - 783 39.
The following questions refer to your before-tax earnings from teaching and other employment from mid-June 1987 to mid-June 1988

a. During the summer of 1987, how much did you earn in

(1) Summer school salary from this or any other school?

0 = None
1-20,000 = Dollars

Maximum	20000	18000
Minimum	0	0
Mean	301.805	279.551
Standard Dev	1302.18	1144.24
99999 = Not answered	160	75

TSC305 784 - 788 (2) Other SCHOOL compensation for summer work at this or any other school?

0 = None
1-20,000 = Dollars

Maximum	8261	13000
Minimum	0	0
Mean	70.146	73.712
Standard Dev	460.136	604.662
99999 = Not answered	174	88

TSC306 789 - 793 (3) Earnings from NONSCHOOL employment during the summer of 1987?

0 = None
1-50,000 = Dollars

Maximum	40000	21800
Minimum	0	0
Mean	517.193	507.745
Standard Dev	1947.43	1310.79

1

Page 153

99999 = Not answered	176	81

TSC307 794 - 798 b. What is your academic base year salary for teaching the 1987-88 school year?

Public School		
1 = 1,000 < Yearly Salary < = 20,000	1724	0
2 = 20,001 < = Yearly Salary < = 25,000	1220	0
3 = 25,001 < = Yearly Salary < = 30,000	720	0
4 = 30,001 < = Yearly Salary < = 35,000	398	0
5 = 35,001 < = Yearly Salary < = 99,997	392	0
99999 = Not answered	358	0
Private School		
1 = 1,000 Yearly Salary 10,000	0	428
2 = 10,001 < = Yearly Salary < = 15,000	0	658
3 = 15,001 < = Yearly Salary < = 20,000	0	457
4 = 20,001 < = Yearly Salary < = 25,000	0	164
5 = 25,001 < = Yearly Salary <		

```
          = 99,997                                    0         70
     99999 = Not answered                             0         174


TSC308   799 - 803    c.  During the 1987-88 school year, how much
                          will you earn in additional compensation from
                          your school(s) for extra curricular or
                          additional activities?

     0 = None
     1-50,000 = Dollars

     Maximum                                          39000     30000
     Minimum                                          0         0
     Mean                                             706.286   357.698
     Standard Dev                                     2532.49   1773.25
     99999 = Not answered                             158       76


TSC309   804 - 808    d.  During the 1987-88 school year, how much
                          will you earn from NONSCHOOL employment?

     0 = None


1
Page 154


     1-90,000 = Dollars

     Maximum                                          75000     50000
     Minimum                                          0         0
     Mean                                             826.549   789.869
     Standard Dev                                     3612.31   2783.03
     99999 = Not answered                             178       89


TSC310   809 - 814    e.  What is your total earned income from
                          mid-June 1987 to mid-June 1988?

     0 = None
     1-99,999 Dollars
     100,000 100,000 Dollars or more

     Maximum                                          100000    100000
```

Minimum	0	0
Mean	25427.3	15789.3
Standard Dev	9631.43	8190.21
999999 = Not answered	288	122

TSC311 815 - 815 40.
Do you receive any income-in-kind in addition
to or in lieu of your school salary?

1 = Housing or housing expenses	25	140
9 = Not answered	168	77
bl = Not applicable	4619	1734

TSC312 816 - 816

2 = Meals	29	196
9 = Not answered	168	75
bl = Not applicable	4615	1680

TSC313 817 - 817

3 = Tuition for your children	9	182
9 = Not answered	168	75
bl = Not applicable	4635	1694

TSC314 818 - 818

4 = Child care	15	34
9 = Not answered	168	75

1

Page 155

bl = Not applicable	4629	1842

TSC315 819 - 819

5 = College tuition for

yourself	124	136
9 = Not answered	168	75
bl = Not applicable	4520	1740

TSC316 820 - 820

6 = Car/transportation expenses	242	74
9 = Not answered	168	75
bl = Not applicable	4402	1802

TSC317 821 - 822

7 = None of the above	4247	1351
99 = Not answered	168	75
bl = Not applicable	397	525

TSC318 823 - 824 41.
Which category represents the total combined income of all FAMILY members in your household during 1987?

1 = Less than $10,000	40	81
2 = $10,000 - $14,999	70	195
3 = $15,000 - $19,999	354	252
4 = $20,000 - $24,999	487	196
5 = $25,000 - $29,999	465	158
6 = $30,000 - S34,999	436	161
7 = $35,000 - $39,999	481	158
8 = $40,000 - $49,999	822	225
9 = $50,000 - $59,999	654	164
10 = $60,000 - $74,999	496	112
11 = $75,000 - $99,999	220	60
12 = $100,000 or more	88	43
99 = Not answered	199	146

TSC319 825 - 825 42.
Are you male or female?

1 = Male	1302	373
2 = Female	3495	1577
9 = Not answered	15	1

1
Page 156

TSC320 826 - 826 43.
What is your race?

1 = American Indian, Aleut, Eskimo	47	13
2 = Asian or Pacific Islander	38	15
3 = Black	313	57
4 = White	4340	1836
9 = Not answered	74	30

TSC321 827 - 827 44.
Are you of Hispanic origin?

1 = Yes	160	58
2 = No	4568	1866
9 = Not answered	84	27

TSC322 828 - 829 45.
What is your year of birth?

1 = 1958 < = Year of birth < = 1975	1242	711
2 = 1948 < = Year of birth < = 1957	1589	625
3 = 1938 < = Year of birth < = 1947	1077	375
4 = 1901 < = Year of birth < = 1937	858	217
99 = Not answered	46	23

TSC323 830 - 830 46.
What is your current marital status?

1 = Married	3384	1187
2 = Widowed, divorced, separated	541	122
3 = Never married	845	618
9 = Not answered	42	24

TSC324 831 - 832 47.
How many children do you have who are dependent on you for more than half of their financial support?

0 = None
1-20 = Children

1

Page 157

Maximum	8	20
Minimum	0	0
Mean	0.958	0.906
Standard Dev	1.156	1.319
99 = Not answered	45	37

TSC325 833 - 834 48.
What was the age of your youngest child on his/her last birthday?

0-60 = Age

Maximum	52	25
Minimum	0	0
Mean	8.852	7.823
Standard Dev	6.884	5.921
99 = Not answered	54	40
bl = Not applicable	2344	1102

TSC326 835 - 835 49.
Do you have persons other than your spouse or children who are dependent on you for more than half of their financial support?

1 = Yes	143	65
2 = No	4621	1837

9 = Not answered	48	49

TSC327 836 - 837 Now many persons other than your spouse or children are dependent on you for more than half of their financial support?

0-20 = Persons		
Maximum	5	16
Minimum	1	1
Mean	1.219	1.963
Standard Dev	0.578	2.740
99 = Not answered	53	60
bl = Not applicable	4622	1837

STATUS 838 - 838

1 = Stayer	2078	716

1
Page 158.1

2 = Mover	1181	566
3 = Leaver	1553	669

TSUBJ 839 - 839 Teacher Subject Category For SASS88'

0 = Elementary general	1508	1049
1 = Elementary special ed.	352	57
2 = Elementary other	626	241
3 = Secondary math	269	86
4 = Secondary science	250	80
5 = Secondary English	327	79
6 = Secondary social studies	213	58
7 = Secondary vocational ed.	287	16
8 = Secondary special ed.	238	26
9 = Secondary other	742	259

TNEW 840 - 840 New Teacher Indicator For SASS88'

```
          1 = New teacher                                   1573      784
          0 = Experienced teacher                           3239      1167


     TBIL     841 - 841    Bilingual/ESL Teacher Indicator

          1 = Bilingual/ESL teacher                         148       28
          0 = Not a biLingual/ESL teacher                   4664      1923



1
Page 158.2


     YRLY_SAL  842 - 842    Yearly Salary for Former Teachers in 1988-89

          Public School
          1 = 1,000 < Yearly Salary <
               20,000                                       854       0
          2 = 20,001 < Yearly Salary < =
               25,0000                                      986       0
          3 = 25,001 < Yearly Salary < =
               30,000                                       701       0
          4 = 30,001 < Yearly Salary < =
               35,000                                       462       0
          5 = Yearly Salary > = 35,001                      644       0

          Private School
          1 = 1,000 Yearty Salary <
               10,000                                       0         17
          2 = 10,001 < Yearty Salary < =
               15,000                                       0         239
          3 = 15,001 < Yearty Salary < =
               20,000                                       0         318
          4 = 20,001 < Yearly Salary < =
               25,000                                       0         238
          5 = Yearly Salary > = 25,001                      0         242


     PCTCHSAL 843 - 847    Percent Change in Salary between 1987-88 and
                           1988-89

          Public School
          Maximum                                           9577.4%
```

Minimum	-100%
Mean	26.9448
Standard Dev	236.279
Private School	
Maximum	2900%
Minimum	-100%
Mean	54.27
Standard Dev	201.125

FINALWGT 848 - 855 Final weights 4 implied decimal places

RW1-RW48 856 - 1239 Replicate weight 1 to Replicate weight 48. Each field is 8 digits with 4 implied decimal places

1

1988-89 TEACHER FOLLOWUP SURVEY
DOCUMENTATION
PUBLIC-USE TAPE
INDUSTRY CODES (1980) & OCCUPATION CODES

1980 CENSUS OF POPULATION
INDUSTRY CLASSIFICATIONS

(THE 3 DIGIT NUMBER IN THE LEFT MARGIN IS THE CODE SYMBOL FOR THE OCCUPATION CATEGORY. THE NUMBER IN PARENTHESES TO THE RIGHT OF THE DESCRIPTION IS THE SIC DEFINITION.)

AGRICULTURE, FORESTRY, AND FISHERIES

010 AGRICULTURAL PRODUCTION, CROPS (01)
011 AGRICULTURAL PRODUCTION, LIVESTOCK (02)
020 AGRICULTURAL SERVICES, EXCEPT HORTICULTURAL (07, EXCEPT 078)
021 HORTICULTURAL SERVICES (078)

030 FORESTRY (08)
031 FISHING HUNTING, AND TRAPPING (09)

MINING

040 METAL MINING (10)
041 COAL MINING (11, 12)
042 CRUDE PETROLEUM AND NATURAL GAS EXTRACTION (13)
050 NONMETALLIC MINING AND QUARRYING, EXCEPT FUEL (14)

060 CONSTRUCTION (15, 16, 17)

MANUFACTURING

NONDURABLE GOODS

FOOD AND KINDRED PRODUCTS

100 MEAT PRODUCTS (201)
101 DAIRY PRODUCTS (202)
102 CANNED AND PRESERVED FRUITS AND VEGETABLES (203)
110 GRAIN MILL PRODUCTS (204)
111 BAKERY PRODUCTS (205)
112 SUGAR AND CONFECTIONERY PRODUCTS (206)
120 BEVERAGE INDUSTRIES (208)
121 MISCELLANEOUS FOOD PREPARATIONS AND KINDRED PRODUCTS (207, 209)

1
Page 160

122 NOT SPECIFIED FOOD INDUSTRIES
130 TOBACCO MANUFACTURES (21)

TEXTILE MILL PRODUCTS

132 KNITTING MILLS (225)
140 DYEING AND FINISHING TEXTILES, EXCEPT WOOL AND KNIT GOODS (226)
141 FLOOR COVERINGS, EXCEPT HARD SURFACE (227)
142 YARN, THREAD, AND FABRIC MILLS (228, 221-224)

150 MISCELLANEOUS TEXTILE MILL PRODUCTS (229)

APPAREL AND OTHER FINISHED TEXTILE PRODUCTS

151 APPAREL AND ACCESSORIES, EXCEPT KNIT (231-238)
152 MISCELLANEOUS FABRICATED TEXTILE PRODUCTS (239)

PAPER AND ALLIED PRODUCTS

160 PULP, PAPER, AND PAPERBOARD MILL (261-263, 266)
161 MISCELLANEOUS PAPER AND PULP PRODUCTS (264)
162 PAPERBOARD CONTAINERS AND BOXES (265)

PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

171 NEWSPAPER PUBLISHING AND PRINTING (271)
172 PRINTING, PUBLISHING, AND ALLIED INDUSTRIES, EXCEPT
NEWSPAPERS (272-279)

CHEMICALS AND ALLIED PRODUCTS

180 PLASTICS, SYNTHETICS, AND RESINS (282)
181 DRUGS (283)
182 SOAPS AND COSMETICS (284)
190 PAINTS, VARNISHES, AND RELATED PRODUCTS (285)
191 AGRICULTURAL CHEMICALS (287)
192 INDUSTRIAL AND MISCELLANEOUS CHEMICALS (281, 286, 289)

PETROLEUM AND COAL PRODUCTS

200 PETROLEUM REFINING (291)
201 MISCELLANEOUS PETROLEUM AND COAL PRODUCTS (295, 299)

RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS

1

210 TIRES AND INNER TUBES (301)
211 OTHER RUBBER PRODUCTS, AND PLASTICS FOOTWEAR AND BELTING
(302-304, 306)
212 MISCELLANEOUS PLASTICS PRODUCTS (307)

LEATHER AND LEATHER PRODUCTS

220 LEATHER TANNING AND FINISHING (311)
221 FOOTWEAR, EXCEPT RUBBER AND PLASTIC (313, 314)
222 LEATHER PRODUCTS, EXCEPT FOOTWEAR (315-317, 319)

DURABLE GOODS

LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE

230 LOGGING (241)
231 SAWMILLS, PLANNING MILLS, AND MILLWORK (242, 243)
232 WOOD BUILDINGS AND MOBILE HOMES (245)
241 MISCELLANEOUS WOOD PRODUCTS (244, 249)
242 FURNITURE AND FIXTURES (25)

STONE, CLAY, GLASS, AND CONCRETE PRODUCTS

250 GLASS AND GLASS PRODUCTS (321-323)
251 CEMENT, CONCRETE, GYPSUM, AND PLASTER PRODUCTS (324, 327)
252 STRUCTURAL CLAY PRODUCTS (325)
261 POTTERY AND RELATED PRODUCTS (326)
262 MISCELLANEOUS NONMETALLIC MINERAL AND STONE PRODUCTS (328, 329)

METAL INDUSTRIES

270 BLAST FURNACES, STEELWORKS, ROLLING AND FINISHING MILLS (331)
271 IRON AND STEEL FOUNDRIES (332)
272 PRIMARY ALUMINUM INDUSTRIES (3334, PT 334, 3353-55, 3361)
280 OTHER PRIMARY METAL INDUSTRIES (3331-3333, 3339, 334, 3351,
3356, 3357, 3362, 3369, 339)
281 CUTLERY, HAND TOOLS, AND OTHER HARDWARE (342)
282 FABRICATED STRUCTURAL METAL PRODUCTS (344)
290 SCREW MACHINE PRODUCTS (345)
291 METAL FORGINGS AND STAMPINGS (346)

292 ORDINANCE (348)
300 MISCELLANEOUS FABRICATED METAL PRODUCTS (341, 343, 349)
301 NOT SPECIFIED METAL INDUSTRIES

MACHINERY, EXCEPT ELECTRICAL

1
Page 162

310 ENGINES AND TURBINES (351)
311 FARM MACHINERY AND EQUIPMENT (352)
312 CONSTRUCTION AND MATERIAL HANDLING MACHINES (353)
320 METAL WORKING MACHINERY (354)
321 OFFICE AND ACCOUNTING MACHINES (357, EXCEPT 3573)
322 ELECTRONIC COMPUTING EQUIPMENT (3573)
331 MACHINERY, EXCEPT ELECTRICAL, N.E.C. (355, 356, 359)
332 NOT SPECIFIED MACHINERY

ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES

340 HOUSEHOLD APPLIANCES (363)
341 RADIO, TV. AND COMMUNICATION EQUIPMENT (365, 366)
342 ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES, N.E.C.
(361, 362, 364, 367, 369)
350 NOT SPECIFIED ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES

TRANSPORTATION EQUIPMENT

351 MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT (371)
352 AIRCRAFT AND PARTS (372)
360 SHIP YARD BOAT BUILDING AND REPAIRING (373)
361 RAILROAD LOCOMOTIVES AND EQUIPMENT (374)
362 GUIDED MISSILES, SPACE VEHICLES, AND PARTS (376)
370 CYCLES AND MISCELLANEOUS TRANSPORTATION EQUIPMENT (379)

PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES

371 SCIENTIFIC AND CONTROLLING INSTRUMENTS (381, 382)
372 OPTICAL AND HEALTH SERVICES SUPPLIES (383, 384, 385)
380 PHOTOGRAPHIC EQUIPMENT AND SUPPLIES (386)

381 WATCHES, CLOCKS, AND CLOCKWORK OPERATED DEVICES
382 NOT SPECIFIED PROFESSIONAL EQUIPMENT
390 TOYS, AMUSEMENT, AND SPORTING GOODS (394)
391 MISCELLANEOUS MANUFACTURING INDUSTRIES (39 EXC. 394)
392 NOT SPECIFIED MANUFACTURING INDUSTRIES

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

TRANSPORTATION

400 RAILROADS (40)
401 BUS SERVICE AND URBAN TRANSIT (41, EXCEPT 412)
402 TAXICAB SERVICE (412)
410 TRUCKING SERVICE (421, 423)
411 WAREHOUSING AND STORAGE (422)

1

412 U.S. POSTAL SERVICE (43)
420 WATER TRANSPORTATION (44)
421 AIR TRANSPORTATION (45)
422 PIPE LINES, EXCEPT NATURAL GAS (46)

432 SERVICES INCIDENTAL TO TRANSPORTATION (47)

COMMUNICATIONS

440 RADIO AND TELEVISION BROADCASTING (483)
441 TELEPHONE (WIRE AND RADIO) (481)
442 TELEGRAPH AND MISCELLANEOUS COMMUNICATION SERVICES
(482, 489)

UTILITIES AND SANITARY SERVICES

460 ELECTRIC LIGHT AND POWER (491)
461 GAS AND STEAM SUPPLY SYSTEMS (492, 496)
462 ELECTRIC AND GAS, AND OTHER COMBINATION (493)

470 WATER SUPPLY AND IRRIGATION (494, 497)
471 SANITARY SERVICES (495)
472 NOT SPECIFIED UTILITIES

WHOLESALE TRADE

DURABLE GOODS

500 MOTOR VEHICLES AND EQUIPMENT (501)
501 FURNITURE AND HOME FURNISHINGS (502)
502 LUMBER AND CONSTRUCTION MATERIALS (503)
510 SPORTING GOODS, TOYS, AND HOBBY GOODS (504)
511 METALS AND MINERALS, EXCEPT PETROLEUM (505)
512 ELECTRICAL GOODS (506)
521 HARDWARE, PLUMBING AND HEATING SUPPLIES (507)
522 NOT SPECIFIED ELECTRICAL AND HARDWARE PRODUCTS
530 MACHINERY, EQUIPMENT, AND SUPPLIES (508)
531 SCRAP AND WASTE MATERIALS (5093)
532 MISCELLANEOUS WHOLESALE, DURABLE GOODS (5094, 5099)

NONDURABLE GOODS

540 PAPER AND PAPER PRODUCTS (511)
541 DRUGS, CHEMICALS, AND ALLIED PRODUCTS (512, 516)
542 APPAREL, FABRICS, AND NOTIONS (513)

1
Page 164

550 GROCERIES AND RELATED PRODUCTS (514)
551 FARM-PRODUCT RAW MATERIALS (515)
552 PETROLEUM PRODUCTS (517)
560 ALCOHOLIC BEVERAGES (518)
561 FARM SUPPLIES (5191)
562 MISCELLANEOUS WHOLESALE, NONDURABLE GOODS (5194, 5198, 5199)
571 NOT SPECIFIED WHOLESALE TRADE

RETAIL TRADE

580 LUMBER AND BUILDING MATERIAL RETAILING (521, 523)

581 HARDWARE STORES (525)
582 RETAIL NURSERIES AND GARDEN STORES (526)
590 MOBILE HOME DEALERS (527)
591 DEPARTMENT STORES (531)
592 VARIETY STORES (533)
600 MISCELLANEOUS GENERAL MERCHANDISE STORES (539)
601 GROCERY STORES (541)
602 DAIRY PRODUCTS STORES (545)
610 RETAIL BAKERIES (546)
611 FOOD STORES, N.E.C. (542, 543, 544, 549)
612 MOTOR VEHICLE DEALERS (551, 552)

620 AUTO AND HOME SUPPLY STORES (553)
621 GASOLINE SERVICE STATIONS (554)
622 MISCELLANEOUS VEHICLE DEALERS (555, 556, 557, 559)
630 APPAREL AND ACCESSORY STORES, EXCEPT SHOE (56, EXCEPT 566)
631 SHOE STORES (566)
632 FURNITURE AND HOME FURNISHINGS STORES (571)
640 HOUSEHOLD APPLIANCES, TV, AND RADIO STORES (572, 573)
641 EATING AND DRINKING PLACES (58)
642 DRUG STORES (591)
650 LIQUOR STORES (592)
651 SPORTING GOODS, BICYCLES, AND HOBBY STORES (5941, 5945, 5946)
652 BOOK AND STATIONERY STORES (5942, 5943)
660 JEWELRY STORES (5944)
661 SEWING, NEEDLEWORK, AND PIECE GOODS STORES (5949)
662 MAIL ORDER HOUSES (5961)
670 VENDING MACHINE OPERATORS (5962)
671 DIRECT SELLING ESTABLISHMENTS (5963)
672 FUEL AND ICE DEALERS (598)
681 RETAIL FLORISTS (5992)
682 MISCELLANEOUS RETAIL STORES (593, 5947, 5948, 5993, 5994, 5999)
691 NOT SPECIFIED RETAIL TRADE

FINANCE, INSURANCE, AND REAL ESTATE

700 BANKING (60)
701 SAVINGS AND LOAN ASSOCIATIONS (612)

1

Page 165

702 CREDIT AGENCIES, N.E.C. (61, EXCEPT 612)

710 SECURITY, COMMODITY BROKERAGE, AND INVESTMENT COMPANIES (62, 67)
711 INSURANCE (63, 64)
712 REAL ESTATE, INCLUDING REAL ESTATE-INSURANCE-LAW OFFICES (65, 66)

BUSINESS AND REPAIR SERVICES

721 ADVERTISING (731)
722 SERVICES TO DWELLINGS AND OTHER BUILDINGS (734)
730 COMMERCIAL RESEARCH, DEVELOPMENT, AND TESTING LABS (7391, 7397)
731 PERSONNEL SUPPLY SERVICES (736)
732 BUSINESS MANAGEMENT AND CONSULTING SERVICES (7392)
740 COMPUTER AND DATA PROCESSING SERVICES (737)
741 DETECTIVE AND PROTECTIVE SERVICES (7393)
742 BUSINESS SERVICES, N.E.C. (732, 733, 735, 7394, 7395, 7396, 7399)
750 AUTOMOTIVE SERVICES, EXCEPT REPAIR (751, 752, 754)
751 AUTOMOTIVE REPAIR SHOPS (753)
752 ELECTRICAL REPAIR SHOPS (762, 7694)
760 MISCELLANEOUS REPAIR SERVICES (763, 764, 7692, 7699)

PERSONAL SERVICES

761 PRIVATE HOUSEHOLDS (88)
762 HOTELS AND MOTELS (701)
770 LODGING PLACES, EXCEPT HOTELS AND MOTELS (702, 703, 704)
771 LAUNDRY, CLEANING, AND GARMENT SERVICES (721)
772 BEAUTY SHOPS (723)
780 BARBER SHOPS (724)
781 FUNERAL SERVICE AND CREMATORIES (726)
782 SHOE REPAIR SHOPS (725)
790 DRESSMAKING SHOPS (PT 729)
791 MISCELLANEOUS PERSONAL SERVICES (722, PT 729)

ENTERTAINMENT AND RECREATION SERVICES

800 THEATERS AND MOTION PICTURES (78, 792)
801 BOWLING ALLEYS, BILLIARD AND POOL PARLORS (793)
802 MISCELLANEOUS ENTERTAINMENT AND RECREATION SERVICES (791, 794, 799)

PROFESSIONAL AND RELATED SERVICES

812 OFFICES OF PHYSICIANS (801, 803)

1
Page 166

820 OFFICES OF DENTISTS (802)
821 OFFICES OF CHIROPRACTORS (8041)
822 OFFICES OF OPTOMETRISTS (8042)
830 OFFICES OF HEALTH PRACTITIONERS, N.E.C. (8049)
831 HOSPITALS (806)
832 NURSING AND PERSONAL CARE FACILITIES (805)
840 HEALTH SERVICES, N.E.C. (807, 808, 809)
841 LEGAL SERVICES (81)
842 ELEMENTARY AND SECONDARY SCHOOLS (821)
850 COLLEGES AND UNIVERSITIES (822)
851 BUSINESS, TRADE, AND VOCATIONAL SCHOOLS (824)
852 LIBRARIES (823)
860 EDUCATIONAL SERVICES, N.E.C. (829)
861 JOB TRAINING AND VOCATIONAL REHABILITATION SERVICES (833)
862 CHILD DAY CARE SERVICES (835)
870 RESIDENTIAL CARE FACILITIES, WITHOUT NURSING (836)
871 SOCIAL SERVICES, N.E.C. (832, 839)
872 MUSEUMS, ART GALLERIES, AND ZOOS (84)
880 RELIGIOUS ORGANIZATIONS (866)
881 MEMBERSHIP ORGANIZATIONS (861-865, 869)
882 ENGINEERING, ARCHITECTURAL, AND SURVEYING SERVICES (891)
890 ACCOUNTING, AUDITING, AND BOOKKEEPING SERVICES (893)
891 NONCOMMERCIAL EDUCATIONAL AND SCIENTIFIC RESEARCH (892)
892 MISCELLANEOUS PROFESSIONAL AND RELATED SERVICES (899)

PUBLIC ADMINISTRATION

900 EXECUTIVE AND LEGISLATIVE OFFICES (911-913)
901 GENERAL GOVERNMENT, N.E.C. (919)
910 JUSTICE, PUBLIC ORDER, AND SAFETY (92)
921 PUBLIC FINANCE, TAXATION, AND MONETARY POLICY (93)
922 ADMINISTRATION OF HUMAN RESOURCES PROGRAMS (94)
930 ADMINISTRATION OF ENVIRONMENTAL QUALITY AND HOUSING
PROGRAMS (95)
931 ADMINISTRATION OF ECONOMIC PROGRAMS (96)

932 NATIONAL SECURITY AND INTERNATIONAL AFFAIRS (97)
990 INDUSTRY NOT REPORTED

1

INDUSTRY CODES (1980) & OCCUPATION CODES

APPENDIX 'A'

1980 CENSUS OF POPULATION
OCCUPATIONAL CLASSIFICATION

(THE 3 DIGIT NUMBER IN THE LEFT MARGIN IS THE CODE SYMBOL FOR THE INDUSTRY CATEGORY. NUMBER IN THE PARENTHESES TO THE RIGHT OF THE DESCRIPTION IS THE SIC DEFINITION.)

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS

003 LEGISLATORS (112)
004 CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS, PUBLIC ADMINISTRATION (111)
005 ADMINISTRATORS AND OFFICIALS, PUBLIC ADMINISTRATION (PT 113 AND 119, EXCEPT 1136)
006 ADMINISTRATORS, PROTECTIVE SERVICES (PT 113)
007 FINANCIAL MANAGERS (122)
008 PERSONNEL AND LABOR RELATIONS MANAGERS (123)

009 PURCHASING MANAGERS (124)
013 MANAGERS, MARKETING, ADVERTISING, AND PUBLIC RELATIONS (125)
014 ADMINISTRATORS, EDUCATION AND RELATED FIELDS (128)
015 MANAGERS, MEDICINE AND HEALTH (131)
016 MANAGERS, PROPERTIES AND REAL ESTATE (1353)
017 POSTMASTERS AND MAIL SUPERINTENDENTS (1344)
018 FUNERAL DIRECTORS (PT 1359)
019 MANAGERS AND ADMINISTRATORS, N.E.C. (1136, 121, 126, 127, 132-139, EXCEPT 1344, 1353, PT 1359)

MANAGEMENT RELATED OCCUPATIONS

023 ACCOUNTANTS AND AUDITORS (1412)
024 UNDERWRITERS (PT 1419)
025 OTHER FINANCIAL OFFICERS (PT 1419)
026 MANAGEMENT ANALYSTS (142)
027 PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS (143)
028 PURCHASING AGENTS AND BUYERS, FARM PRODUCTS (PT 144)
029 BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS (432)
033 PURCHASING AGENTS AND BUYERS, N.E.C. (PT 144)
034 BUSINESS AND PROMOTION AGENTS (145)
035 CONSTRUCTION INSPECTORS (1171, 618)
036 INSPECTORS AND COMPLIANCE OFFICERS, EXC. CONSTRUCTION (1172, 147)
037 MANAGEMENT RELATED OCCUPATION, N.E.C. (149)

1
Page 168

PROFESSIONAL SPECIALTY OCCUPATIONS

043 ARCHITECTS (15)

ENGINEERS, SURVEYORS AND MAPPING SCIENTISTS

044 AEROSPACE ENGINEERS (1622)
045 METALLURGICAL AND MATERIALS ENGINEERS (1623)
046 MINING ENGINEERS (1624)
047 PETROLEUM ENGINEERS (1625)
048 CHEMICAL ENGINEERS (1626)
049 NUCLEAR ENGINEERS (1627)
053 CIVIL ENGINEERS (1628)

054 AGRICULTURAL ENGINEERS (1632)
055 ELECTRICAL AND ELECTRONIC ENGINEERS (1633, 1636)
056 INDUSTRIAL ENGINEERS (1634)
057 MECHANICAL ENGINEERS (1635)
058 MARINE ENGINEERS AND NAVAL ARCHITECTS (1637)
059 ENGINEERS, N.E.C. (1639)
063 SURVEYORS AND MAPPING SCIENTISTS (1642)

MATHEMATICAL AND COMPUTER SCIENTISTS

064 COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS (171)
065 OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS (172)
066 ACTUARIES (1732)
067 STATISTICIANS (1733)
068 MATHEMATICAL SCIENTISTS, N.E.C. (1739)

NATURAL SCIENTISTS

069 PHYSICISTS AND ASTRONOMERS (1842, 1843)
073 CHEMISTS, EXCEPT BIOCHEMISTS (1845)
074 ATMOSPHERIC AND SPACE SCIENTISTS (1846)
075 GEOLOGISTS AND GEODESISTS (1847)
076 PHYSICAL SCIENTISTS, N.E.C. (1849)
077 AGRICULTURAL AND FOOD SCIENTISTS (1853)
078 BIOLOGICAL AND LIFE SCIENTISTS (1854, 1859)
079 FORESTRY AND CONSERVATION SCIENTISTS (1852)
083 MEDICAL SCIENTISTS (1855)

HEALTH DIAGNOSING OCCUPATIONS

084 PHYSICIANS (261)
085 DENTISTS (262)
086 VETERINARIANS (27)
087 OPTOMETRISTS (281)

1

Page 169

088 PODIATRISTS (283)
089 HEALTH DIAGNOSING PRACTITIONERS, N.E.C. (289)

HEALTH ASSESSMENT AND TREATING OCCUPATIONS

095 REGISTERED NURSES (29)
096 PHARMACISTS (301)
097 DIETITIANS (302)

THERAPISTS

098 INHALATION THERAPISTS (PT 303)
099 OCCUPATIONAL THERAPISTS (PT 303)
103 PHYSICAL THERAPISTS (PT 303)
104 SPEECH THERAPISTS (PT 303)
105 THERAPISTS, N.E.C. (PT 303)
106 PHYSICIANS' ASSISTANTS (304)

TEACHERS, POSTSECONDARY

113 EARTH, ENVIRONMENTAL, AND MARINE SCIENCE TEACHERS (2212)
114 BIOLOGICAL SCIENCE TEACHERS (2213)
115 CHEMISTRY TEACHERS (2214)
116 PHYSICS TEACHERS (2215)
117 NATURAL SCIENCE TEACHERS, N.E.C. (2216)
118 PSYCHOLOGY TEACHERS (2217)
119 ECONOMICS TEACHERS (2218)
123 HISTORY TEACHERS (2222)
124 POLITICAL SCIENCE TEACHERS (2223)
125 SOCIOLOGY TEACHERS (2224)
126 SOCIAL SCIENCE TEACHERS, N.E.C. (2225)
127 ENGINEERING TEACHERS (2226)
128 MATHEMATICAL SCIENCE TEACHERS (2227)
129 COMPUTER SCIENCE TEACHERS (2228)
133 MEDICAL SCIENCE TEACHERS (PT 2232)
134 HEALTH SPECIALTIES TEACHERS (PT 2232)
135 BUSINESS, COMMERCE, AND MARKETING TEACHERS (2233)
136 AGRICULTURE AND FORESTRY TEACHERS (2234)
137 ART, DRAMA, AND MUSIC TEACHERS (2235)
138 PHYSICAL EDUCATION TEACHERS (2236)
139 EDUCATION TEACHERS (2237)
143 ENGLISH TEACHERS (2238)
144 FOREIGN LANGUAGE TEACHERS (2242)
145 LAW TEACHERS (2243)
146 SOCIAL WORK TEACHERS (2244)
147 THEOLOGY TEACHERS (2245)

148 TRADE AND INDUSTRIAL TEACHERS (2246)
149 HOME ECONOMICS TEACHERS (PT 2249)

1
Page 170

153 TEACHERS, POSTSECONDARY, N.E.C. (PT 2249)
154 POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED

TEACHERS, EXCEPT POSTSECONDARY

155 TEACHERS, PREKINDERGARTEN AND KINDERGARTEN (231)
156 TEACHERS, ELEMENTARY SCHOOL (232)
157 TEACHERS, SECONDARY SCHOOL (233)
158 TEACHERS, SPECIAL EDUCATION (235)
159 TEACHERS, N.E.C. (234, 239)
163 COUNSELORS, EDUCATIONAL AND VOCATIONAL (24)

LIBRARIANS, ARCHIVISTS, AND CURATORS

164 LIBRARIANS (251)
165 ARCHIVISTS AND CURATORS (252)

SOCIAL SCIENTISTS AND URBAN PLANNERS

166 ECONOMISTS (1912)
167 PSYCHOLOGISTS (1915)
168 SOCIOLOGISTS (1916)
169 SOCIAL SCIENTISTS, N.E.C. (1913, 1914, 1919)
173 URBAN PLANNERS (192)

SOCIAL, RECREATION, AND RELIGIOUS WORKERS

174 SOCIAL WORKERS (2032)
175 RECREATION WORKERS (2033)
176 CLERGY (2042)
177 RELIGIOUS WORKERS, N.E.C. (2049)

LAWYERS AND JUDGES

178 LAWYERS (211)
179 JUDGES (212)

WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES

183 AUTHORS (PT 321)
184 TECHNICAL WRITERS (PT 321)
185 DESIGNERS (322)
186 MUSICIANS AND COMPOSERS (323)
187 ACTORS AND DIRECTORS (324)
188 PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS

1

Page 171

(325, PT 7263)
189 (326)
193 DANCERS (327)
194 ARTISTS, PERFORMERS, AND RELATED WORKERS, N.E.C.
(328, 329)
195 EDITORS AND REPORTERS (331)
197 PUBLIC RELATIONS SPECIALISTS (332)
198 ANNOUNCERS (333)
199 ATHLETES (34)

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

TECHNICIANS AND RELATED SUPPORT OCCUPATIONS

HEALTH TECHNOLOGISTS AND TECHNICIANS

203 CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS (362)
204 DENTAL HYGIENISTS (363)
205 HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS (364)
206 RADIOLOGIC TECHNICIANS (365)
207 LICENSED PRACTICAL NURSES (366)
208 HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C. (369)

TECHNOLOGISTS AND TECHNICIANS, EXCEPT HEALTH

ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS

213 ELECTRICAL AND ELECTRONIC TECHNICIANS (3711)
214 INDUSTRIAL ENGINEERING TECHNICIANS (3712)
215 MECHANICAL ENGINEERING TECHNICIANS (3713)
216 ENGINEERING TECHNICIANS, N.E.C. (3719)
217 DRAFTING OCCUPATIONS (3721)
218 SURVEYING AND MAPPING TECHNICIANS (3722)

SCIENCE TECHNICIANS

223 BIOLOGICAL TECHNICIANS (382)
224 CHEMICAL TECHNICIANS (3831)
225 SCIENCE TECHNICIANS, N.E.C. (3832, 3833, 384, 389)

TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE

226 AIRPLANE PILOTS AND NAVIGATORS (645)
227 AIR TRAFFIC CONTROLLERS (391)

1
Page 172

228 BROADCAST EQUIPMENT OPERATORS (392)
229 COMPUTER PROGRAMMERS (3931, 3932)
233 TOOL PROGRAMMERS, NUMERICAL CONTROL (3934)
234 LEGAL ASSISTANTS (396)
235 TECHNICIANS, N.E.C. (399)

SALES OCCUPATIONS

243 SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS (40, PT 4518)

SALES OCCUPATIONS, BUSINESS GOODS AND SERVICES

253 INSURANCE SALES OCCUPATIONS (4222)
254 REAL ESTATE SALES OCCUPATIONS (4223)

255 SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS (4224)
256 ADVERTISING AND RELATED SALES OCCUPATIONS (4253)
257 SALES OCCUPATIONS, OTHER BUSINESS SERVICES (4252)
258 SALES ENGINEERS (PT 16)
259 SALES REPRESENTATIVES, MINING, MANUFACTURING, AND
WHOLESALE (412, 143)

SALES OCCUPATIONS, PERSONAL GOODS AND SERVICES

263 SALES WORKERS, MOTOR VEHICLES AND BOATS (4142, 4144)
264 SALES WORKERS, APPAREL (PT 4146)
265 SALES WORKERS, SHOES (PT 4146)
266 SALES WORKERS, FURNITURE AND HOME FURNISHINGS (4148)
267 SALES WORKERS, RADIO, TELEVISION, HI-FI, AND APPLIANCES
(4143, 4152)
268 SALES WORKERS, HARDWARE AND BUILDING SUPPLIES (4153)
269 SALES WORKERS, PARTS (4167)
274 SALES WORKERS, OTHER COMMODITIES (4145, 4147, 4154, 4156,
4159, PT 4162, 4169, 4259, 4665)
275 SALES COUNTER CLERKS (PT 4162)
276 CASHIERS (4683)
277 STREET AND DOOR-TO-DOOR SALES WORKERS (4163)
278 NEWS VENDORS (4165)

SALES RELATED OCCUPATIONS

283 DEMONSTRATORS, PROMOTERS AND MODELS, SALES (435)
284 AUCTIONEERS (PT 439)
285 SALES SUPPORT OCCUPATIONS, N.E.C. (434, 436, PT 439)

ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL

1

Page 173

SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS

303 SUPERVISORS, GENERAL OFFICE (4511-4514, 4516, PT
4518, 4519, 4529, 4537)
304 SUPERVISORS, COMPUTER EQUIPMENT OPERATORS (4535)

305 SUPERVISORS, FINANCIAL RECORDS PROCESSING (4521, 4536)
306 CHIEF COMMUNICATIONS OPERATORS (4515)
307 SUPERVISORS, DISTRIBUTION, SCHEDULING, AND ADJUSTING
CLERKS (4522-4528)

COMPUTER EQUIPMENT OPERATORS

308 COMPUTER OPERATORS (4852)
309 PERIPHERAL EQUIPMENT OPERATORS (4853)

SECRETARIES, STENOGRAPHERS, AND TYPISTS

313 SECRETARIES (4612)
314 STENOGRAPHERS (4613)
315 TYPISTS (4622)

INFORMATION CLERKS

316 INTERVIEWERS (4642)
317 HOTEL CLERKS (4643)
318 TRANSPORTATION TICKET AND RESERVATION AGENTS (4644)
319 RECEPTIONISTS (4645)
323 INFORMATION CLERKS, N.E.C. (4649)

RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL

325 CLASSIFIED-AD CLERKS (4662)
326 CORRESPONDENCE CLERKS (4663)
327 ORDER CLERKS (4664)
328 PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING (4692)
329 LIBRARY CLERKS (4694)
335 FILE CLERKS (4696)
336 RECORDS CLERKS (4693, 4699)

FINANCIAL RECORDS PROCESSING OCCUPATIONS

337 BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS (4712)
338 PAYROLL AND TIMEKEEPING CLERKS (4713)
339 BILLING CLERKS (4715)
343 COST AND RATE CLERKS (4716)
344 BILLING, POSTING, AND CALCULATING MACHINE OPERATORS (486)

1
Page 174

DUPLICATING, MAIL AND OTHER OFFICE MACHINE OPERATORS

345 DUPLICATING MACHINE OPERATORS (4872)
346 MAIL PREPARING AND PAPER HANDLING MACHINE OPERATORS (4873)
347 OFFICE MACHINE OPERATORS, N.E.C. (4879)

COMMUNICATIONS EQUIPMENT OPERATORS

348 TELEPHONE OPERATORS (4652)
349 TELEGRAPHERS (4623)
353 COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C. (4659)

MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS

354 POSTAL CLERKS, EXC. MAIL CARRIERS (4723)
355 MAIL CARRIERS, POSTAL SERVICE (4733)
356 MALL CLERKS, EXC. POSTAL SERVICE (4722)
357 MESSENGERS (4732)

MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS,
N.E.C.

359 DISPATCHERS (4741)
363 PRODUCTION COORDINATORS (4742)
364 TRAFFIC, SHIPPING, AND RECEIVING CLERKS (4743)
365 STOCK AND INVENTORY CLERKS (4744)
366 METER READERS (4745)
368 WEIGHERS, MEASURERS, AND CHECKERS (4746)
369 SAMPLERS (4747)
373 EXPEDITERS (4748)
374 MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS,
N.E.C. (4749)

ADJUSTERS AND INVESTIGATORS

375 INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS (4782)

376 INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE (4783)
377 ELIGIBILITY CLERKS, SOCIAL WELFARE (4784)
378 BILL AND ACCOUNT COLLECTORS (4786)

MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS

379 GENERAL OFFICE CLERKS (4632)
383 BANK TELLERS (4682)
384 PROOFREADERS (4792)
385 DATA-ENTRY KEYERS (4624)

1

Page 175

386 STATISTICAL CLERKS (4717)
387 TEACHERS' AIDES (4695)
389 ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C. (4787, 4799)

SERVICE OCCUPATIONS

PRIVATE HOUSEHOLD OCCUPATIONS

403 LAUNDERERS AND IRONERS (533)
404 COOKS, PRIVATE HOUSEHOLD (534)
405 HOUSEKEEPERS AND BUTLERS (535)
406 CHILD CARE WORKERS, PRIVATE HOUSEHOLD (536)
407 PRIVATE HOUSEHOLD CLEANERS AND SERVANTS (532, 537, 539)

PROTECTIVE SERVICE OCCUPATIONS

SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS

413 SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION
OCCUPATIONS (5011)
414 SUPERVISORS, POLICE AND DETECTIVES (5012)
415 SUPERVISORS, GUARDS (5013)

FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS

416 FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS (5112)
417 FIREFIGHTING OCCUPATIONS (4113)

POLICE AND DETECTIVES

418 POLICE AND DETECTIVES, PUBLIC SERVICE (5122)
423 SHERIFFS, BAILIFFS, AND OTHER LAW ENFORCEMENT OFFICERS (5124)
424 CORRECTIONAL INSTITUTION OFFICERS (5133)
425 CROSSING GUARDS (4132)
426 GUARDS AND POLICE, EXC. PUBLIC SERVICE (5134)
427 PROTECTIVE SERVICE OCCUPATION, N.E.C. (5139)

SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND PRIVATE HOUSEHOLD

FOOD PREPARATION AND SERVICE OCCUPATIONS

433 SUPERVISORS, FOOD PREPARATION AND SERVICE OCCUPATIONS (5021)
434 BARTENDERS (5212)

435 WAITERS AND WAITRESSES (5213)
436 COOKS, EXCEPT SHORT ORDER (5214)
437 SHORT-ORDER COOKS (5215)
438 FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS (5216)
439 KITCHEN WORKERS, FOOD PREPARATION (5217)
443 WAITERS'/WAITRESSES' ASSISTANTS (5218)
444 MISCELLANEOUS FOOD PREPARATION OCCUPATIONS (5219)

HEALTH SERVICE OCCUPATIONS

445 DENTAL ASSISTANTS (5232)
446 HEALTH AIDES, EXCEPT NURSING (5233)
447 NURSING AIDES, ORDERLIES, AND ATTENDANTS (5236)

CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT PRIVATE
HOUSEHOLD

448 SUPERVISORS, CLEANING AND BUILDING SERVICE WORKERS (5024)
449 MAIDS AND HOUSEMEN (5242, 5249)
453 JANITORS AND CLEANERS (5244)
454 ELEVATOR OPERATORS (5245)
455 PEST CONTROL OCCUPATIONS (5246)

PERSONAL SERVICE OCCUPATIONS

456 SUPERVISORS, PERSONAL SERVICE OCCUPATIONS (5025)
457 BARBERS (5251)
458 HAIRDRESSERS AND COSMETOLOGISTS (5252)
459 ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES (5253)
463 GUIDES (5254)
464 USHERS (5255)
465 PUBLIC TRANSPORTATION ATTENDANTS (5256)
466 BAGGAGE PORTERS AND BELLHOPS (5258)
467 WELFARE SERVICE AIDES (5262)
468 CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD (5263)
469 PERSONAL SERVICE OCCUPATIONS, N.E.C. (5257, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

FARM OPERATORS AND MANAGERS

473 FARMERS, EXCEPT HORTICULTURAL (5512-5514)
474 HORTICULTURAL SPECIALTY FARMERS (5515)
475 MANAGERS, FARMS, EXCEPT HORTICULTURAL (5522-5524)
476 MANAGERS, HORTICULTURAL SPECIALTY FARMS (5525)

1

Page 177

OTHER AGRICULTURAL AND RELATED OCCUPATIONS

FARM OCCUPATIONS, EXCEPT MANAGERIAL

477 SUPERVISORS, FARM WORKERS (5611)
479 FARM WORKERS (5612-5617)

483 MARINE LIFE CULTIVATION WORKERS (5618)
484 NURSERY WORKERS (5619)

RELATED AGRICULTURAL OCCUPATIONS

485 SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS (5621)
486 GROUNDSKEEPERS AND GARDENERS, EXCEPT FARM (5622)
487 ANIMAL CARETAKERS, EXCEPT FARM (5624)
488 GRADERS AND SORTERS, AGRICULTURAL PRODUCTS (5625)
489 INSPECTORS, AGRICULTURAL PRODUCTS (5627)

FORESTRY AND LOGGING OCCUPATIONS

494 SUPERVISORS, FORESTRY AND LOGGING WORKERS (571)
495 FORESTRY WORKERS, EXCEPT LOGGING (572)
496 TIMBER CUTTING AND LOGGING OCCUPATIONS (573, 579)

FISHERS, HUNTERS, AND TRAPPERS

497 CAPTAINS AND OTHER OFFICERS, FISHING VESSELS (582)
498 FISHERS (583)
499 HUNTERS AND TRAPPERS (584)

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

MECHANICS AND REPAIRERS

503 SUPERVISORS, MECHANICS AND REPAIRERS (66)

MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS

VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS

505 AUTOMOBILE MECHANICS (6711)
506 AUTOMOBILE MECHANIC APPRENTICES (PT 6711)
507 BUS, TRUCK, AND STATIONARY ENGINE MECHANICS (6712)
508 AIRCRAFT ENGINE MECHANICS (6713)

509 SMALL ENGINE REPAIRERS (6714)
514 AUTOMOBILE BODY AND RELATED REPAIRERS (6715)
515 AIRCRAFT MECHANICS, EXC. ENGINE (6716)
516 HEAVY EQUIPMENT MECHANICS (6717)
517 FARM EQUIPMENT MECHANICS (6718)
518 INDUSTRIAL MACHINERY REPAIRERS (673)
519 MACHINERY MAINTENANCE OCCUPATIONS (674)

ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS

523 ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL
EQUIPMENT (6751, 6753, 6755)
525 DATA PROCESSING EQUIPMENT REPAIRERS (6754)
526 HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS (6756)
527 TELEPHONE LINE INSTALLERS AND REPAIRERS (6757)
529 TELEPHONE INSTALLERS AND REPAIRERS (6758)
533 MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT
REPAIRERS (6752, 6759)
534 HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS (676)

MISCELLANEOUS MECHANICS AND REPAIRERS

535 CAMERA, WATCH, AND MUSICAL INSTRUMENT REPAIRERS (6771, 6772)
536 LOCKSMITHS AND SAFE REPAIRERS (6773)
538 OFFICE MACHINE REPAIRERS (6774)
539 MECHANICAL CONTROLS AND VALVE REPAIRERS (6775)
543 ELEVATOR INSTALLERS AND REPAIRERS (6776)
544 MILLWRIGHTS (6778)
547 SPECIFIED MECHANICS AND REPAIRERS, N.E.C. (6777, 6779)
549 NOT SPECIFIED MECHANICS AND REPAIRERS

CONSTRUCTION TRADES

SUPERVISORS, CONSTRUCTION OCCUPATIONS

553 SUPERVISORS BRICKMASONS, STONEMASONS, AND TILE SETTERS (6012)
554 SUPERVISORS, CARPENTERS AND RELATED WORKERS (6013)
555 SUPERVISORS, ELECTRICIANS AND POWER TRANSMISSION INSTALLERS

(6014)
556 SUPERVISORS, PAINTERS, PAPERHANGERS, AND PLASTERERS (6015)
557 SUPERVISORS, PLUMBERS, PIPEFITTERS, AND STEAMFITTERS (6016)
558 SUPERVISORS, N.E.C. (6011, 6018)

CONSTRUCTION TRADES, EXCEPT SUPERVISORS

563 BRICKMASONS AND STONEMASONS (6112, 6113)

1

Page 179

564 BRICKMASON AND STONEMASON APPRENTICES (PT 6112-6113)
565 TILE SETTERS, HARD AND SOFT (6114, PT 6162)
566 CARPET INSTALLERS (PT 6162)
567 CARPENTERS (6122)
569 CARPENTER APPRENTICES (PT 6122)
573 DRYWALL INSTALLERS (6124)
575 ELECTRICIANS (6132)
576 ELECTRICIAN APPRENTICES (PT 6132)
577 ELECTRICAL POWER INSTALLERS AND REPAIRERS (6133)
579 PAINTERS, CONSTRUCTION AND MAINTENANCE (6142)
583 PAPERHANGERS (6143)
584 PLASTERERS (6144)
585 PLUMBERS, PIPEFITTERS, AND STEAMFITTERS (6150)
587 PLUMBER, PIPEFITTER, AND STEAMFITTER APPRENTICES (PT 6150)
588 CONCRETE AND TERRAZZO FINISHERS (6163)
589 GLAZIERS (6164)
593 INSULATION WORKERS (6165)
594 PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS (6166)
595 ROOFERS (6168)
596 SHEETMETAL DUCT INSTALLERS (6172)
597 STRUCTURAL METAL WORKERS (6173)
598 DRILLERS, EARTH (6174)
599 CONSTRUCTION TRADES, N.E.C. (6167, 6175, 6176, 6179)

EXTRACTIVE OCCUPATIONS

613 SUPERVISORS, EXTRACTIVE OCCUPATIONS (602)
614 DRILLERS, OIL WELL (622)
615 EXPLOSIVES WORKERS (623)
616 MINING MACHINE OPERATORS (624)

617 MINING OCCUPATIONS, N.E.C. (626)

PRECISION PRODUCTION OCCUPATIONS

633 SUPERVISORS, PRODUCTION OCCUPATIONS (PT 711, 712)

PRECISION METAL WORKING OCCUPATIONS

934 TOOL AND DIE MAKERS (7211)
635 TOOL AND DIE MAKER APPRENTICES (PT 7211)
636 PRECISION ASSEMBLERS, METAL (7212)
637 MACHINISTS (7213)
639 MACHINIST APPRENTICES (PT 7213)
643 BOILERMAKERS (7214)
644 PRECISION GRINDERS, FITTERS, AND TOOL SHARPENERS
645 PATTERNMAKERS AND MODEL MAKERS, METAL (7217)
646 LAY-OUT WORKERS (7221)
647 PRECIOUS STONES AND METALS WORKERS (JEWELERS) (7222, 7266)

1
Page 180

649 ENGRAVERS, METAL (7223)
653 SHEET METAL WORKERS (7224)
654 SHEET METAL WORKER APPRENTICES (PT 7224)
655 MISCELLANEOUS PRECISION METAL WORKERS (7229)

PRECISION WOODWORKING OCCUPATIONS

656 PATTERNMAKERS AND MODEL MAKERS, WOOD (7231)
657 CABINET MAKERS AND BENCH CARPENTERS (7232
658 FURNITURE AND WOOD FINISHERS (PT 7234, PT 7756)
659 MISCELLANEOUS PRECISION WOODWORKERS (PT 7234, 7239)

PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS

666 DRESSMAKERS (7251, PT 7752)
667 TAILORS (7252)
668 UPHOLSTERERS (7253)
669 SHOE REPAIRERS (7254)

673 APPAREL AND FABRIC PATTERNMAKERS (PT 7259)
674 MISCELLANEOUS PRECISION APPAREL AND FABRIC WORKERS
(PT 7259, PT 7752)

PRECISION WORKERS, ASSORTED MATERIALS

675 HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS (7261)
676 PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS (7262)
677 OPTICAL GOODS WORKERS (7264, PT 7677)
678 DENTAL LABORATORY AND MEDICAL APPLIANCE TECHNICIANS (7265)
679 BOOKBINDERS (PT 7249, PT 7449)
683 ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS (7267)
684 MISCELLANEOUS PRECISION WORKERS, N.E.C. (7269)

PRECISION FOOD PRODUCTION OCCUPATIONS

686 BUTCHERS AND MEAT CUTTERS (7271)
687 BAKERS (7272)
688 FOOD BATCHMAKERS (7273, 7279)

PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS

689 INSPECTORS, TESTERS, AND GRADERS (7281)
693 ADJUSTERS AND CALIBRATORS (7282)

PLANT AND SYSTEM OPERATORS

1

Page 181

694 WATER AND SEWAGE TREATMENT PLANT OPERATORS (791)
695 POWER PLANT OPERATORS (PT 793)
696 STATIONARY ENGINEERS (PT 793, 7668)
699 MISCELLANEOUS PLANT AND SYSTEM OPERATORS (792, 794, 795, 796)

OPERATORS, FABRICATORS, AND LABORERS

MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS

MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION

METALWORKING AND PLASTIC WORKING MACHINE OPERATORS

703 LATHE AND TURNING MACHINE SET-UP OPERATORS (7312)
704 LATHE AND TURNING MACHINE OPERATORS (7512)
705 MILLING AND PLANING MACHINE OPERATORS (7313, 7513)
706 PUNCHING AND STAMPING PRESS MACHINE OPERATORS (7314, 7317, 7514, 7517)
707 ROLLING MACHINE OPERATORS (7316, 7516)
708 DRILLING AND BORING MACHINE OPERATORS (7318, 7518)
709 GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS (7322, 7324, 7522)
713 FORGING MACHINE OPERATORS (7319, 7519)
714 NUMERICAL CONTROL MACHINE OPERATORS (7326)
715 MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS (7329, 7529)
717 FABRICATING MACHINE OPERATORS, N.E.C. (7339, 7539)

METAL AND PLASTIC PROCESSING MACHINE OPERATORS

719 MOLDING AND CASTING MACHINE OPERATORS (7315, 7342, 7515, 7542)
723 METAL PLATING MACHINE OPERATORS (7343, 7543)
724 HEAT TREATING EQUIPMENT OPERATORS (7344, 7544)
725 MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS (7349, 7549)

WOODWORKING MACHINE OPERATORS

726 WOODLATHE, ROUTING, AND PLANING MACHINE OPERATORS (7431, 7432, 7631, 7632)
727 SAWING MACHINE OPERATORS (7433, 7633)
728 SHAPING AND JOINING MACHINE OPERATORS (7435, 7635)
729 NAILING AND TACKING MACHINE OPERATORS (7636)
733 MISCELLANEOUS WOODWORKING MACHINE OPERATORS (7434, 7439, 7634, 7639)

PRINTING MACHINE OPERATORS

734 PRINTING MACHINE OPERATORS (7443, 7643)
735 PHOTOENGRAVERS AND LITHOGRAPHERS (7242, 7444, 7644)
736 TYPESETTERS AND COMPOSITORS (7241, 7442, 7642)
737 MISCELLANEOUS PRINTING MACHINE OPERATORS (PT 7249, PT 7449, 7649)

TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS

738 WINDING AND TWISTING MACHINE OPERATORS (7451, 7651)
739 KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS (7452, 7652)
743 TEXTILE CUTTING MACHINE OPERATORS (7654)
744 TEXTILE SEWING MACHINE OPERATORS (7655, PT 7656)
745 SHOE MACHINE OPERATORS (PT 7656, PT 7659)
747 PRESSING MACHINE OPERATORS (7657)
748 LAUNDERING AND DRY CLEANING MACHINE OPERATORS (7255, 7658)
749 MISCELLANEOUS TEXTILE MACHINE OPERATORS (7453, 7653, PT 7659)

MACHINE OPERATORS, ASSORTED MATERIALS

753 CEMENTING AND GLUING MACHINE OPERATORS (7661)
754 PACKAGING AND FILLING MACHINE OPERATORS (7462, 7662)
755 EXTRUDING AND FORMING MACHINE OPERATORS (7463, 7663)
756 MIXING AND BLENDING MACHINE OPERATORS (7664)
757 SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS (7476, 7666, 7676)
758 COMPRESSING AND COMPACTING MACHINE OPERATORS (7467, 7667)
759 PAINTING AND PAINT SPRAYING MACHINE OPERATORS (7669)
763 ROASTING AND BAKING MACHINE OPERATORS, FOOD (7472, 7672)
764 WASHING, CLEANING, AND PICKLING MACHINE OPERATORS (7673)
765 FOLDING MACHINE OPERATORS (7474, 7674)
766 FURNACE, KILN, AND OVEN OPERATORS, EXC. FOOD (7668, 7671, 7675)
768 CRUSHING AND GRINDING MACHINE OPERATORS (7477, PT 7677)
769 SLICING AND CUTTING MACHINE OPERATORS (7478, 7678)
773 MOTION PICTURE PROJECTIONISTS (PT 7679)
774 PHOTOGRAPHIC PROCESS MACHINE OPERATORS (PT 7263, PT 7679)
777 MISCELLANEOUS MACHINE OPERATORS N.E.C. (7479, 7665, PT 7679)
779 MACHINE OPERATORS, NOT SPECIFIED

FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS

783 WELDERS AND CUTTERS (7332, 7532, 7714)
784 SOLDERERS AND BRAZERS (7333, 7533, 7717)
785 ASSEMBLERS (772, 774)
786 HANDCUTTING AND TRIMMING OCCUPATIONS (7753)

1

Page 183

787 HAND MOLDING, CASTING, AND FORMING OCCUPATIONS (7754, 7755)
789 HAND PAINTING, COATING, AND DECORATING OCCUPATIONS (PT 7756)
793 HAND ENGRAVING AND PRINTING OCCUPATIONS (7757)
794 HAND GRINDING AND POLISHING OCCUPATIONS (7758)
795 MISCELLANEOUS HAND WORKING OCCUPATIONS (7759)

PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS

796 PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS (782, 786, 787)
797 PRODUCTION TESTERS (783)
798 PRODUCTION SAMPLERS AND WEIGHERS (784)
799 GRADERS AND SORTERS, EXCEPT AGRICULTURAL (785)

TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS

MOTOR VEHICLE OPERATORS

803 SUPERVISORS, MOTOR VEHICLE OPERATORS (6311)
804 TRUCK DRIVERS, HEAVY (6412, 6413)
805 TRUCK DRIVERS, LIGHT (6414)
806 DRIVER-SALES WORKERS (433)
808 BUS DRIVERS (6415)
809 TAXI CAB DRIVERS AND CHAUFFEURS (6416)
813 PARKING LOT ATTENDANTS (6417)
814 MOTOR TRANSPORTATION OCCUPATIONS N.E.C. (6419)

TRANSPORTATION OCCUPATIONS, EXCEPT MOTOR VEHICLES

RAIL TRANSPORTATION OCCUPATIONS

823 RAILROAD CONDUCTORS AND YARDMASTERS (6313)
824 LOCOMOTIVE OPERATING OCCUPATIONS (6432)
825 RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS (6433)
826 RAIL VEHICLE OPERATORS, N.E.C. (6439)

WATER TRANSPORTATION OCCUPATIONS

828 SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS (6441, 6442)
829 SAILORS AND DECKHANDS (6443)
833 MARINE ENGINEERS (6444)
834 BRIDGE, LOCK, AND LIGHTHOUSE TENDERS (6445)

MATERIAL MOVING EQUIPMENT OPERATORS

843 SUPERVISORS MATERIAL MOVING EQUIPMENT OPERATORS (632)
844 OPERATING ENGINEERS (6512)
845 LONGSHORE EQUIPMENT OPERATORS (6513)
848 HOIST AND WINCH OPERATORS (6514)
849 CRANE AND TOWER OPERATORS (6515)
853 EXCAVATING AND LOADING MACHINE OPERATORS (6516)
855 GRADER, DOZER, AND SCRAPER OPERATORS (6517)
856 INDUSTRIAL TRUCK AND TRACTOR EQUIPMENT OPERATORS (6519, PT 659)
859 MISCELLANEOUS MATERIAL MOVING EQUIPMENT OPERATORS (6519, PT 659)

HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS
N.E.C. (PT 711)

863 SUPERVISORS, HANDLERS, EQUIP. CLEANERS AND LABORERS, N.E.C.
(PT 711)
864 HELPERS, MECHANICS AND REPAIRERS (679)

HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS

865 HELPERS, CONSTRUCTION TRADES (6191-6195, 6198)

866 HELPERS, SURVEYOR (6196)
867 HELPERS, EXTRACTIVE OCCUPATIONS (629)
869 CONSTRUCTION LABORERS (81)
873 PRODUCTION HELPERS (769, 779)

FREIGHT, STOCK, AND MATERIAL MOVERS, AND

875 GARBAGE COLLECTORS (822)
876 STEVEDORES (823)
877 STOCK HANDLERS AND BAGGERS (824)
878 MACHINE FEEDERS AND OFFBEARERS (825)
883 FREIGHT, STOCK, AND MATERIAL MOVERS, HAND, N.E.C. (649, 826)
885 GARAGE AND SERVICE STATION RELATED OCCUPATIONS (672)
887 VEHICLE WASHERS AND EQUIPMENT CLEANERS (83)
888 HAND PACKERS AND PACKAGERS (841)
889 LABORERS, EXCEPT CONSTRUCTION (842, 846, PT 659)
999 OCCUPATION NOT REPORTED

1

1988-89 TEACHER FOLLOW-UP SURVEY
DOCUMENTATION
PUBLIC-USE TAPE

APPENDIX 'B'

FREQUENCIES FOR

TSC 040,044,048,052,056,060,064,068

FIELD NAME	LOCATION	CODES = COMMENTS	PUBLIC SCHOOL	PRIVATE SCHOOL
TSC040	353 - 354	b. What was your major field of study for each degree		
		GENERAL		
		11 = Agriculture and natural resources	10	3
		12 = Architecture and environmental design	12	0
		13 = Area and ethnic studies	1	1
		14 = Biological/Life science	11	5
		15 = Business and management	25	15
		17 = Computer and information science	5	3
		18 = Engineering	11	2
		19 = Fine and applied arts	24	6
		20 = Foreign languages	2	3
		21 = Health professions	15	3
		22 = Home economics	11	2
		23 = Law	1	0
		24 = Letters (English, literature, speech, classics)	13	7
		25 = Library science	1	0
		26 = Mathematics	6	2
		27 = Military science	0	0
		28 = Multi/interdisciplinary studies	18	5
		29 = Philosophy and religion	0	3
		30 = Psychology	9	1
		31 = Public affairs and services	0	1
		32 = Theology	1	7
		Physical sciences		
		33 = Chemistry	5	4
		34 = Physics	1	0

1
Page 186

35 = Geology/earth science	3	1
36 = Other physical sciences	2	0
Social science		
37 = Economics	0	0
38 = History	10	2
39 = Political science and government	3	0
40 = Sociology	6	3
41 = Other social sciences	10	1
42 = Other	67	26
EDUCATION		
General education		
51 = Elementary	103	54
52 = Pre-elementary/early childhood	21	18
53 = Secondary Subject area education	22	4
54 = Agricultural	2	0
55 = Art	6	2
56 = Bilingual	2	0
57 = Business, commerce, and distributive	12	1
58 = English as a second language	0	0
59 = English	5	2
60 = Foreign languages	2	0
61 = Home economics	11	1
62 = Industrial arts, vocational and technical	27	0
63 = Mathematics	2	0
64 = Music	10	3
65 = Physical ed./health ed.	18	5
66 = Reading	1	1
67 = Science	4	1
68 = Social studies/social sciences	4	3
Special education		
70 = Special ed., general	3	3
71 = Education of the emotionally disturbed	0	1
72 = Education of the mentally retarded	1	0

73 = Education of the speech/ hearing/vision impaired	3	0
74 = Special learning disabilities	3	0
75 = Other special education	1	0

1

Page 187

Other education		
80 = Curriculum and instruction	0	2
81 = Educational administration	0	0
82 = Educational psychology	0	0
83 = Student personnel and counseling	0	0
84 = Other education	18	10
99 = Not answered	95	24
bl = Not applicable	4161	1707

TSC044 360 - 361 GENERAL

11 = Agriculture and natural resources	11	2
12 = Architecture and environmental design	0	0
13 = Area and ethnic studies	2	4
14 = Biological/Life science	137	57
15 = Business and management	73	26
17 = Computer and information science	0	2
18 = Engineering	9	7
19 = Fine and applied arts	59	42
20 = Foreign languages	82	56
21 = Health professions	11	6
22 = Home economics	67	19
23 = Law	1	0
24 = Letters (English, literature, speech, classics)	152	86
25 = Library science	8	1
26 = Mathematics	112	39
27 = Military science	2	1
28 = Multi/interdisciplinary studies	10	5

29 = Philosophy and religion	9	27
30 = Psychology	84	41
31 = Public affairs and services	1	1
32 = Theology	4	21
Physical sciences		
33 = Chemistry	33	21
34 = Physics	7	6
35 = Geology/earth science	10	6
36 = Other physical sciences	10	10
Social science		
37 = Economics	21	7
38 = History	150	76
39 = Political science and		

government	25	11
40 = Sociology	53	23
41 = Other social sciences	42	22
42 = Other	51	27
EDUCATION		
General education		
51 = Elementary	1508	688
52 = Pre-elementary/early childhood	86	31
53 = Secondary Subject area education	107	25
54 = Agricultural	25	21
55 = Art	86	21
56 = Bilingual	8	0
57 = Business, commerce, and distributive	89	9
58 = English as a second language	0	1
59 = English	168	53
60 = Foreign languages	24	13
61 = Home economics	76	9
62 = Industrial arts, vocational and		

technical	85	1
63 = Mathematics	72	11
64 = Music	238	69
65 = Physical ed./health ed.	344	79
66 = Reading	4	1
67 = Science	42	5
68 = Social studies/social sciences	87	29
Special education		
70 = Special ed., general	105	23
71 = Education of the emotionally disturbed	19	9
72 = Education of the mentally retarded	73	17
73 = Education of the speech/ hearing/vision impaired	81	13
74 = Special learning disabilities	18	3
75 = Other special education	11	3
Other education		
80 = Curriculum and instruction	1	5
81 = Educational administration	0	2
82 = Educational psychology	3	0
83 = Student personnel and counseling	0	1

1

Page 189

84 = Other education	20	15
99 = Not answered	111	41
bl = Not applicable	45	104

TSC048 367 - 368 GENERAL

11 = Agriculture and natural resources	0	0
12 = Architecture and environmental design	0	1
13 = Area and ethnic studies	0	0
14 = Biological/Life science	2	1

15 = Business and management	7	0
17 = Computer and information science	0	0
18 = Engineering	1	0
19 = Fine and applied arts	5	2
20 = Foreign languages	4	2
21 = Health professions	0	2
22 = Home economics	0	0
23 = Law	0	0
24 = Letters (English, literature, speech, classics)	6	3
25 = Library science	1	0
26 = Mathematics	5	3
27 = Military science	0	0
28 = Multi/interdisciplinary studies	3	0
29 = Philosophy and religion	0	1
30 = Psychology	4	3
31 = Public affairs and services	0	0
32 = Theology	2	6
Physical sciences		
33 = Chemistry	2	0
34 = Physics	1	0
35 = Geology/earth science	4	2
36 = Other physical sciences	1	0
Social science		
37 = Economics	1	0
38 = History	5	4
39 = Political science and government	1	0
40 = Sociology	2	2
41 = Other social sciences	1	0
42 = Other	3	5

EDUCATION

1
Page 190

General education		
51 = Elementary	70	30

52 = Pre-elementary/early childhood	3	2
53 = Secondary	13	4
Subject area education		
54 = Agricultural	0	0
55 = Art	5	1
56 = Bilingual	3	0
57 = Business, commerce, and distributive	2	0
58 = English as a second language	1	0
59 = English	5	4
60 = Foreign languages	2	1
61 = Home economics	1	0
62 = Industrial arts, vocational and technical	3	0
63 = Mathematics	2	1
64 = Music	5	1
65 = Physical ed./health ed.	9	3
66 = Reading	3	0
67 = Science	8	2
68 = Social studies/social sciences	7	0
Special education		
70 = Special ed., general	6	2
71 = Education of the emotionally disturbed	3	1
72 = Education of the mentally retarded	5	0
73 = Education of the speech/ hearing/vision impaired	1	1
74 = Special learning disabilities	6	0
75 = Other special education	6	0
Other education		
80 = Curriculum and instruction	0	1
81 = Educational administration	0	0
82 = Educational psychology	0	0
83 = Student personnel and counseling	0	0
84 = Other education	5	2
99 = Not answered	35	11
bl = Not applicable	4539	1845

TSC052 374 - 375 GENERAL

1

Page 191

11 = Agriculture and natural resources	2	0
12 = Architecture and environmental design	0	0
13 = Area and ethnic studies	0	3
14 = Biological/Life science	25	9
15 = Business and management	11	1
17 = Computer and information science	2	1
18 = Engineering	4	0
19 = Fine and applied arts	19	14
20 = Foreign languages	12	21
21 = Health professions	3	2
22 = Home economics	7	2
23 = Law	0	0
24 = Letters (English, literature, speech, classics)	41	23
25 = Library science	18	1
26 = Mathematics	19	8
27 = Military science	0	0
28 = Multi/interdisciplinary studies	5	2
29 = Philosophy and religion	3	9
30 = Psychology	13	3
31 = Public affairs and services	4	1
32 = Theology	3	15
Physical sciences		
33 = Chemistry	6	4
34 = Physics	3	3
35 = Geology/earth science	4	0
36 = Other physical sciences	0	6
Social science		
37 = Economics	1	3
38 = History	27	11

39 = Political science and government	6	2
40 = Sociology	3	2
41 = Other social sciences	8	3
42 = Other	28	13

EDUCATION

General education

51 = Elementary	336	85
52 = Pre-elementary/early childhood	35	7
53 = Secondary	100	32

1
Page 192

Subject area education

54 = Agricultural	9	1
55 = Art	25	7
56 = Bilingual	1	1
57 = Business, commerce, and distributive	20	1
58 = English as a second language	9	2
59 = English	44	14
60 = Foreign languages	8	3
61 = Home economics	10	2
62 = Industrial arts, vocational and technical	29	0
63 = Mathematics	31	8
64 = Music	66	18
65 = Physical ed./health ed.	61	9
66 = Reading	104	29
67 = Science	31	5
68 = Social studies/social sciences	11	6

Special education

70 = Special ed., general	66	7
71 = Education of the emotionally disturbed	27	5
72 = Education of the mentally		

retarded	29	6
73 = Education of the speech/ hearing/vision impaired	40	5
74 = Special learning disabilities	70	15
75 = Other special education	15	5
Other education		
80 = Curriculum and instruction	53	17
81 = Educational administration	146	22
82 = Educational psychology	10	5
83 = Student personnel and counseling	87	13
84 = Other education	55	18
99 = Not answered	50	12
bl = Not applicable	2951	1426

TSC056 381 - 382 GENERAL

11 = Agriculture and natural resources	0	0
12 = Architecture and environmental design	0	0
13 = Area and ethnic studies	0	0

1

Page 193

14 = Biological/life science	1	0
15 = Business and management	1	0
17 = Computer and information science	1	1
18 = Engineering	0	0
19 = Fine and applied arts	1	0
20 = Foreign languages	2	2
21 = Health professions	0	0
22 = Home economics	0	0
23 = Law	0	0
24 = Letters (English, literature, speech, classics)	3	3
25 = Library science	2	0
26 = Mathematics	1	1
27 = Military science	0	0

28 = Multi/interdisciplinary studies	1	0
29 = Philosophy and religion	0	4
30 = Psychology	1	1
31 = Public affairs and services	0	0
32 = Theology	1	0
Physical sciences		
33 = Chemistry	1	1
34 = Physics	0	0
35 = Geology/earth science	0	1
36 = Other physical sciences	0	0
Social science		
37 = Economics	1	0
38 = History	1	3
39 = Political science and government	0	0
40 = Sociology	0	0
41 = Other social sciences	2	0
42 = Other	1	1
EDUCATION		
General education		
51 = Elementary	6	5
52 = Pre-elementary/early childhood	0	0
53 = Secondary	5	1
Subject area education		
54 = Agricultural	0	0
55 = Art	0	0
56 = Bilingual	0	0
57 = Business, commerce, and distributive	2	0
58 = English as a second language	1	0
59 = English	3	0

60 = Foreign languages	0	0
61 = Home economics	0	0
62 = Industrial arts, vocational and technical	2	0
63 = Mathematics	0	1
64 = Music	0	1
65 = Physical ed./health ed.	2	0
66 = Reading	2	0
67 = Science	0	0
68 = Social studies/social sciences	1	1
Special education		
70 = Special ed., general	1	1
71 = Education of the emotionally disturbed	2	2
72 = Education of the mentally retarded	1	1
73 = Education of the speech/ hearing/vision impaired	2	0
74 = Special learning disabilities	3	0
75 = Other special education	3	0
Other education		
80 = Curriculum and instruction	2	1
81 = Educational administration	25	2
82 = Educational psychology	0	1
83 = Student personnel and counseling	7	3
84 = Other education	8	1
99 = Not answered	14	4
bl = Not applicable	4694	1908

TSC060 388 - 389 GENERAL

11 = Agriculture and natural resources	1	0
12 = Architecture and environmental design	0	0
13 = Area and ethnic studies	0	0
14 = Biological/life science	2	1
15 = Business and management	0	0
17 = Computer and information science	4	1

18 = Engineering	0	0

1

Page 195

19 = Fine and applied arts	1	4
20 = Foreign languages	1	1
21 = Health professions	3	0
22 = Home economics	1	0
23 = Law	0	0
24 = Letters (English, literature, speech, classics)	0	3
25 = Library science	2	0
26 = Mathematics	2	0
27 = Military science	0	0
28 = Multi/interdisciplinary studies	0	0
29 = Philosophy and religion	0	1
30 = Psychology	1	0
31 = Public affairs and services	0	0
32 = Theology	0	0
Physical sciences		
33 = Chemistry	0	0
34 = Physics	0	0
35 = Geology/earth science	0	0
36 = Other physical sciences	0	1
Social science		
37 = Economics	0	0
38 = History	2	0
39 = Political science and government	0	0
40 = Sociology	0	0
41 = Other social sciences	1	0
42 = Other	2	1
EDUCATION		
General education		
51 = Elementary	25	2
52 = Pre-elementary/early childhood	3	1

53 = Secondary Subject area education	12	2
54 = Agricultural	2	0
55 = Art	0	0
56 = Bilingual	2	0
57 = Business, commerce, and distributive	1	0
58 = English as a second language	4	0
59 = English	7	1
60 = Foreign languages	1	2
61 = Home economics	0	0

1
Page 196

62 = Industrial arts, vocational and technical	2	0
63 = Mathematics	2	2
64 = Music	6	1
65 = Physical ed./health ed.	6	1
66 = Reading	26	3
67 = Science	2	1
68 = Social studies/social sciences	3	2
Special education		
70 = Special ed.	11	2
71 = Education of the emotionally disturbed	3	0
72 = Education of the mentality retarded	1	0
73 = Education of the speech/ hearing/vision impaired	3	0
74 = Special learning disabilities	11	0
75 = Other special education	4	0
Other education		
80 = Curriculum and instruction	8	3
81 = Educational administration	70	8
82 = Educational psychology	2	1
83 = Student personnel and counseling	7	1

84 = Other education	12	5
99 = Not answered	32	8
bl = Not applicable	4521	1892

TSC064 396 - 397 GENERAL

11 = Agriculture and natural resources	0	0
12 = Architecture and environmental design	0	0
13 = Area and ethnic studies	0	0
14 = Biological/life science	0	2
15 = Business and management	0	0
17 = Computer and information	0	0
Science		
18 = Engineering	0	0
19 = Fine and applied arts	1	1
20 = Foreign languages	0	2
21 = Health professions	0	0
22 = Home economics	0	0
23 = Law	1	0

1

Page 197

24 = Letters (English, literature, speech, classics)	2	3
25 = Library science	0	0
26 = Mathematics	1	1
27 = Military science	0	0
28 = Multi/interdisciplinary studies	0	0
29 = Philosophy and religion	0	1
30 = Psychology	1	1
31 = Public affairs and services	0	0
32 = Theology	1	0
Physical sciences		
33 = Chemistry	1	1
34 = Physics	0	0
35 = Geology/earth science	0	0

36 = Other physical sciences	0	0
Social science		
37 = Economics	0	0
38 = History	0	3
39 = Political science and government	1	0
40 = Sociology	0	0
41 = Other social sciences	0	0
42 = Other	0	0
EDUCATION		
General education		
51 = Elementary	1	0
52 = Pre-elementary/early childhood	1	0
53 = Secondary	2	0
Subject area education		
54 = Agricultural	0	0
55 = Art	1	0
56 = Bilingual	0	0
57 = Business, commerce, and distributive	0	0
58 = English as a second language	0	0
59 = English	0	0
60 = Foreign languages	0	0
61 = Home economics	0	0
62 = Industrial arts, vocational and technical	0	0
63 = Mathematics	0	1
64 = Music	2	0

1
Page 198

65 = Physical ed./health ed.	0	1
66 = Reading	1	0
67 = Science	0	0
68 = Social studies/social sciences	0	0

```
     Special education
     70 = Special ed., general                          2         0
     71 = Education of the emotionally
          disturbed                                     0         0
     72 = Education of the mentally
          retarded                                      2         0
     73 = Education of the speech/
          hearing/vision impaired                       0         0
     74 = Special learning
          disabilities                                  1         0
     75 = Other special education                       0         0

     Other education
     80 = Curriculum and instruction                    4         0
     81 = Educational administration                    4         0
     82 = Educational psychology                        0         0
     83 = Student personnel and
          counseling                                    0         0
     84 = Other education                               5         0
     99 = Not answered                                  8         4
     bl = Not applicable                                4768      1930


TSC068   404 - 405    GENERAL

     11 = Agriculture and natural
          resources                                     0         0
     12 = Architecture and environmental
          design                                        0         0
     13 = Area and ethnic studies                       0         0
     14 = Biological/Life science                       0         0
     15 = Business and management                       0         0
     17 = Computer and information
          science                                       0         0
     18 = Engineering                                   0         0
     19 = Fine and applied arts                         0         0
     20 = Foreign languages                             0         0
     21 = Health professions                            0         1
     22 = Home economics                                0         0
     23 = Law                                           6         0
     24 = Letters (English, literature,
          speech, classics)                             0         0
     25 = Library science                               0         0
     26 = Mathematics                                   0         0
     27 = Military science                              0         0
```

1

28 = Multi/interdisciplinary studies	0	0
29 = Philosophy and religion	0	0
30 = Psychology	0	0
31 = Public affairs and services	0	0
32 = Theology	0	1
Physical sciences		
33 = Chemistry	0	0
34 = Physics	0	0
35 = Geology/earth science	0	0
36 = Other physical sciences	0	0
Social science		
37 = Economics	0	0
38 = History	0	0
39 = Political science and government	0	0
40 = Sociology	0	0
41 = Other social sciences	0	0
42 = Other	1	0
EDUCATION		
General education		
51 = Elementary	1	0
52 = Pre-elementary/early childhood	0	0
53 = Secondary	0	0
Subject area education		
54 = Agricultural	0	0
55 = Art	0	0
56 = Bilingual	0	0
57 = Business, commerce, and distributive	0	0
58 = English as a second language	0	0
59 = English	0	0
60 = Foreign languages	0	0

61 = Home economics	0	0
62 = Industrial arts, vocational and technical	0	0
63 = Mathematics	0	0
64 = Music	0	0
65 = Physical ed./health ed.	0	0
66 = Reading	0	0
67 = Science	0	0
68 = Social studies/social sciences	0	1

1
Page 200

Special education		
70 = Special ed., general	0	0
71 = Education of the emotionally disturbed	0	0
72 = Education of the mentally retarded	0	0
73 = Education of the speech/ hearing/vision impaired	0	0
74 = Special learning disabilities	0	0
75 = Other special education	0	0
Other education		
80 = Curriculum and instruction	0	0
81 = Educational administration	0	0
82 = Educational psychology	0	0
83 = Student personnel and counseling	0	0
84 = Other education	0	0
99 = Not answered	9	4
bl = Not applicable	4795	1944

1

1988-89 TEACHER FOLLOW-UP SURVEY
DOCUMENTATION
PUBLIC-USE TAPE

APPENDIX 'C'

FREQUENCIES FOR

TSC 041,045,049,053,057,061,065,069

FIELD NAME	LOCATION	CODES = COMMENTS	PUBLIC SCHOOL	PRIVATE SCHOOL
TSC041	355 - 356	C. What was your second major or minor field of study for each degree		

GENERAL		
11 = Agriculture and natural resources	2	0
12 = Architecture and environmental design	0	0
13 = Area and ethnic studies	0	0
14 = Biological/life science	5	1
15 = Business and management	1	0
17 = Computer and information science	1	0
18 = Engineering	0	0
19 = Fine and applied arts	3	2
20 = Foreign languages	3	0
21 = Health professions	2	0
22 = Home economics	1	0
23 = Law	0	0
24 = Letters (English, literature, speech, classics)	5	4
25 = Library science	0	0
26 = Mathematics	5	2
27 = Military science	0	0
28 = Multi/interdisciplinary studies	0	0
29 = Philosophy and religion	1	1
30 = Psychology	8	3
31 = Public affairs and services	0	0
32 = Theology	0	1
Physical sciences		
33 = Chemistry	2	0

1
Page 202

34 = Physics	0	1
35 = Geology/earth science	0	0
36 = Other physical sciences	2	1
Social science		
37 = Economics	0	0
38 = History	4	3
39 = Political science and		

government	3	0
40 = Sociology	2	1
41 = Other social sciences	3	2
42 = Other	6	2

EDUCATION

General education

51 = Elementary	9	7
52 = Pre-elementary/early childhood	2	5
53 = Secondary	2	0

Subject area education

54 = Agricultural	1	0
55 = Art	2	1
56 = Bilingual	2	0
57 = Business, commerce, and distributive	3	0
58 = English as a second language	0	0
59 = English	9	1
60 = Foreign languages	0	1
61 = Home economics	0	0
62 = Industrial arts, vocational and technical	4	1
63 = Mathematics	3	1
64 = Music	5	1
65 = Physical ed./health ed.	5	3
66 = Reading	5	2
67 = Science	5	1
68 = Social studies/social sciences	4	1

Special education

70 = Special ed., general	0	0
71 = Education of the emotionally disturbed	0	0
72 = Education of the mentally retarded	1	2
73 = Education of the speech/hearing/vision impaired	0	0
74 = Special learning		

1

disabilities	0	0
75 = Other special education	1	0
Other education		
80 = Curriculum and instruction	0	1
81 = Educational administration	0	0
82 = Educational psychology	2	0
83 = Student personnel and counseling	0	0
84 = Other education	5	2
99 = Not answered	417	154
bl = Not applicable	4161	1707

TSC045 362 - 363 C. What was your second major or minor field of study for each degree

GENERAL		
11 = Agriculture and natural resources	4	2
12 = Architecture and environmental design	1	0
13 = Area and ethnic studies	0	2
14 = Biological/Life science	84	18
15 = Business and management	28	13
17 = Computer and information science	11	1
18 = Engineering	1	0
19 = Fine and applied arts	38	14
20 = Foreign languages	60	36
21 = Health professions	10	3
22 = Home economics	10	2
23 = Law	0	0
24 = Letters (English, literature, speech, classics)	122	56
25 = Library science	14	10
26 = Mathematics	85	49
27 = Military science	1	0
28 = Multi/interdisciplinary studies	3	1
29 = Philosophy and religion	26	28
30 = Psychology	120	51

31 = Public affairs and services	0	1
32 = Theology	1	25
Physical sciences		
33 = Chemistry	50	18
34 = Physics	16	4
35 = Geology/earth science	21	8

1
Page 204

36 = Other physical sciences	38	8
Social science		
37 = Economics	10	6
38 = History	151	60
39 = Political science and government	43	10
40 = Sociology	62	23
41 = Other social sciences	39	27
42 = Other	42	18
EDUCATION		
General education		
51 = Elementary	190	95
52 = Pre-elementary/early childhood	101	50
53 = Secondary	112	41
Subject area education		
54 = Agricultural	0	1
55 = Art	55	19
56 = Bilingual	11	1
57 = Business, commerce, and distributive	23	5
58 = English as a second language	3	0
59 = English	154	75
60 = Foreign languages	53	14
61 = Home economics	11	5
62 = Industrial arts, vocational and technical	8	2

63 = Mathematics	72	20
64 = Music	49	30
65 = Physical ed./health ed.	114	22
66 = Reading	55	15
67 = Science	86	13
68 = Social studies/social sciences	127	58
Special education		
70 = Special ed., general	72	26
71 = Education of the emotionally disturbed	14	4
72 = Education of the mentally retarded	44	10
73 = Education of the speech/ hearing/vision impaired	17	5
74 = Special learning disabilities	37	7
75 = Other special education	16	5

1

Page 205

Other education		
80 = Curriculum and instruction	4	2
81 = Educational administration	3	2
82 = Educational psychology	6	5
83 = Student personnel and counseling	1	0
84 = Other education	35	18
99 = Not answered	1713	609
bl = Not applicable	45	104

TSC049 369 - 370 C. What was your second major or minor field of study for each degree

GENERAL		
11 = Agriculture and natural resources	0	0
12 = Architecture and environmental design	0	0
13 = Area and ethnic studies	0	0

14 = Biological/life science	1	1
15 = Business and management	1	2
17 = Computer and information science	0	0
18 = Engineering	0	0
19 = Fine and applied arts	1	0
20 = Foreign languages	1	0
21 = Health professions	0	1
22 = Home economics	0	0
23 = Law	0	0
24 = Letters (English, literature, speech, classics)	2	1
25 = Library science	0	0
26 = Mathematics	2	0
27 = Military science	0	0
28 = Multi/interdisciplinary studies	0	0
29 = Philosophy and religion	0	0
30 = Psychology	2	2
31 = Public affairs and services	0	0
32 = Theology	0	3
Physical sciences		
33 = Chemistry	0	0
34 = Physics	0	0
35 = Geology/earth science	0	0
36 = Other physical sciences	1	0
Social science		

1
Page 206

37 = Economics	0	0
38 = History	3	2
39 = Political science and government	1	1
40 = Sociology	0	0
41 = Other social sciences	1	1
42 = Other	1	0
EDUCATION		

General education		
51 = Elementary	2	2
52 = Pre-elementary/early childhood	3	1
53 = Secondary	2	1
Subject area education		
54 = Agricultural	1	0
55 = Art	0	0
56 = Bilingual	0	0
57 = Business, commerce, and distributive	0	0
58 = English as a second language	1	0
59 = English	4	2
60 = Foreign languages	1	0
61 = Home economics	0	0
62 = Industrial arts, vocational and technical	3	0
63 = Mathematics	5	0
64 = Music	1	1
65 = Physical ed./health ed.	1	0
66 = Reading	4	1
67 = Science	2	0
68 = Social studies/social sciences	3	2
Special education		
70 = Special ed., general	2	1
71 = Education of the emotionally disturbed	0	0
72 = Education of the mentally retarded	3	1
73 = Education of the speech/ hearing/vision impaired	0	0
74 = Special learning disabilities	4	1
75 = Other special education	3	0
Other education		
80 = Curriculum and instruction	0	0

1

81 = Educational administration	0	0
82 = Educational psychology	0	0
83 = Student personnel and counseling	0	2
84 = Other education	0	0
99 = Not answered	174	60
bl = Not applicable	4539	1845

TSC053 376 - 377 C. What was your second major or minor field of study for each degree

GENERAL		
11 = Agriculture and natural resources	1	1
12 = Architecture and environmental design	0	0
13 = Area and ethnic studies	1	0
14 = Biological/life science	9	0
15 = Business and management	3	0
17 = Computer and information science	4	2
18 = Engineering	0	0
19 = Fine and applied arts	1	3
20 = Foreign languages	4	1
21 = Health professions	2	0
22 = Home economics	1	0
23 = Law	0	0
24 = Letters (English, literature, speech, classics)	8	6
25 = Library science	0	1
26 = Mathematics	7	4
27 = Military science	0	0
28 = Multi/interdisciplinary studies	0	1
29 = Philosophy and religion	1	2
30 = Psychology	15	4
31 = Public affairs and services	0	0
32 = Theology	1	1
Physical sciences		
33 = Chemistry	3	1
34 = Physics	2	0

35 = Geology/earth science	1	0
36 = Other physical sciences	3	1
Social science		
37 = Economics	0	1
38 = History	8	5

1
Page 208

39 = Political science and government	5	2
40 = Sociology	4	1
41 = Other social sciences	4	0
42 = Other	4	2
EDUCATION		
General education		
51 = Elementary	12	7
52 = Pre-elementary/early childhood	17	6
53 = Secondary	18	6
Subject areas education		
54 = Agricultural	1	0
55 = Art	4	3
56 = Bilingual	3	1
57 = Business, commerce, and distributive	6	0
58 = English as a second language	6	0
59 = English	13	4
60 = Foreign languages	3	5
61 = Home economics	1	0
62 = Industrial arts, vocational and technical	2	0
63 = Mathematics	14	4
64 = Music	7	0
65 = Physical ed./health ed.	9	0
66 = Reading	36	7
67 = Science	10	0
68 = Social studies/social sciences	10	0

Special education		
70 = Special ed., general	13	4
71 = Education of the emotionally disturbed	15	1
72 = Education of the mentally retarded	11	0
73 = Education of the speech/ hearing/vision impaired	7	1
74 = Special learning disabilities	16	6
75 = Other special education	8	3
Other education		
80 = Curriculum and instruction	10	5
81 = Educational administration	33	5
82 = Educational psychology	8	3

1

83 = Student personnel and counseling	13	4
84 = Other education	14	1
99 = Not answered	1199	328
bl = Not applicable	2951	1426

TSC057 383 - 384 C. What was your second major or minor field of study for each degree

GENERAL		
11 = Agriculture and natural resources	0	0
12 = Architecture and environmental design	0	0
13 = Area and ethnic studies	0	0
14 = Biological/Life science	0	0
15 = Business and management	0	0
17 = Computer and information science	0	0
18 = Engineering	0	0
19 = Fine and applied arts	0	0

20 = Foreign languages	0	0
21 = Health professions	0	0
22 = Home economics	0	0
23 = Law	0	0
24 = Letters (English, literature, speech, classics)	0	0
25 = Library science	0	0
26 = Mathematics	0	0
27 = Military science	0	0
28 = Multi/interdisciplinary studies	0	0
29 = Philosophy and religion	0	0
30 = Psychology	1	1
31 = Public affairs and services	0	0
32 = Theology	0	0
Physical sciences		
33 = Chemistry	0	0
34 = Physics	0	1
35 = Geology/earth science	0	0
36 = Other physical sciences	0	0
Social science		
37 = Economics	1	0
38 = History	0	0
39 = Political science and government	0	0

1
Page 210

40 = Sociology	0	0
41 = Other social sciences	0	0
42 = Other	0	1
EDUCATION		
General education		
51 = Elementary	1	0
52 = Pre-elementary/early childhood	0	0
53 = Secondary	1	1

Subject area education		
54 = Agricultural	0	0
55 = Art	0	0
56 = Bilingual	0	0
57 = Business, commerce, and distributive	1	0
58 = English as a second language	1	0
59 = English	2	1
60 = Foreign languages	0	1
61 = Home economics	1	0
62 = Industrial arts, vocational and technical	0	0
63 = Mathematics	0	0
64 = Music	0	0
65 = Physical ed./health ed.	1	0
66 = Reading	0	0
67 = Science	1	0
68 = Social studies/social sciences	1	0
Special education		
70 = Special ed., general	0	0
71 = Education of the emotionally disturbed	1	0
72 = Education of the mentally retarded	1	0
73 = Education of the speech/ hearing/vision impaired	0	0
74 = Special learning disabilities	0	0
75 = Other special education	0	0
Other education		
80 = Curriculum and instruction	1	0
81 = Educational administration	1	1
82 = Educational psychology	0	0
83 = Student personnel and counseling	0	1

1

84 = Other education	2	0

99 = Not answered	89	29
bl = Not applicable	4694	1908

TSC061 390 - 391 C. What was your second major or minor field of study for each degree

GENERAL		
11 = Agriculture and natural resources	0	0
12 = Architecture and environmental design	0	0
13 = Area and ethnic studies	0	0
14 = Biological/Life science	1	0
15 = Business and management	0	0
17 = Computer and information science	0	0
18 = Engineering	0	0
19 = Fine and applied arts	0	0
20 = Foreign languages	0	0
21 = Health professions	0	0
22 = Home economics	0	0
23 = Law	0	0
24 = Letters (English, literature, speech, classics)	0	0
25 = Library science	0	0
26 = Mathematics	0	0
27 = Military science	0	0
28 = Multi/interdisciplinary studies	0	1
29 = Philosophy and religion	0	0
30 = Psychology	1	0
31 = Public affairs and services	0	0
32 = Theology	0	0
Physical sciences		
33 = Chemistry	0	0
34 = Physics	0	1
35 = Geology/earth science	0	0
36 = Other physical sciences	0	0
Social science		
37 = Economics	1	0
38 = History	0	0

```
          39 = Political science and
               government                          0         0
          40 = Sociology                           0         1
          41 = Other social sciences               0         0


1
Page 212


          42 = Other                               0         1

          EDUCATION

          General education
          51 = Elementary                          1         0
          52 = Pre-elementary/early
               childhood                           0         1
          53 = Secondary                           1         1

          Subject area education
          54 = Agricultural                        1         0
          55 = Art                                 1         0
          56 = Bilingual                           2         0
          57 = Business, commerce, and
               distributive                        0         0
          58 = English as a second
               language                            1         0
          59 = English                             1         0
          60 = Foreign languages                   0         0
          61 = Home economics                      0         1
          62 = Industrial arts, vocational and
               technical                           0         0
          63 = Mathematics                         0         0
          64 = Music                               1         0
          65 = Physical ed./health ed.             0         0
          66 = Reading                             7         1
          67 = Science                             1         0
          68 = Social studies/social
               sciences                            0         0

          Special education
          70 = Special ed., general                1         2
          71 = Education of the emotionally
               disturbed                           1         0
          72 = Education of the mentally
```

retarded	3	0
73 = Education of the speech/ hearing/vision impaired	0	0
74 = Special learning disabilities	3	0
75 = Other special education	6	0
Other education		
80 = Curriculum and instruction	4	0
81 = Educational administration	7	1
82 = Educational psychology	0	0
83 = Student personnel and counseling	1	0
84 = Other education	0	0
99 = Not answered	213	40

1

Page 213

bl = Not applicable	4521	1892

TSC065 398 - 399 C. What was your second major or minor field of study for each degree

GENERAL		
11 = Agriculture and natural resources	0	0
12 = Architecture and environmental design	0	0
13 = Area and ethnic studies	0	0
14 = Biological/life science	0	0
15 = Business and management	0	0
17 = Computer and information science	0	0
18 = Engineering	0	0
19 = Fine and applied arts	1	0
20 = Foreign languages	0	0
21 = Health professions	0	0
22 = Home economics	0	0
23 = Law	0	0
24 = Letters (English, literature, speech, classics)	1	0
25 = Library science	0	0

26 = Mathematics	1	0
27 = Military science	0	0
28 = Multi/interdisciplinary studies	0	0
29 = Philosophy and religion	1	0
30 = Psychology	1	0
31 = Public affairs and services	0	0
32 = Theology	0	0
Physical sciences		
33 = Chemistry	0	0
34 = Physics	2	0
35 = Geology/earth science	0	0
36 = Other physical sciences	0	0
Social science		
37 = Economics	1	0
38 = History	0	0
39 = Political science and government	0	0
40 = Sociology	0	0
41 = Other social sciences	0	0
42 = Other	0	0

EDUCATION

1
Page 214

General education		
51 = Elementary	1	0
52 = Pre-elementary/early childhood	0	0
53 = Secondary	0	0
Subject area education		
54 = Agricultural	0	0
55 = Art	0	0
56 = Bilingual	0	0
57 = Business, commerce, and distributive	0	0
58 = English as a second language	0	0

59 = English	0	0
60 = Foreign languages	0	0
61 = Home economics	0	0
62 = Industrial arts, vocational and technical	0	0
63 = Mathematics	0	0
64 = Music	0	0
65 = Physical ed./health ed.	1	0
66 = Reading	0	0
67 = Science	0	0
68 = Social studies/social sciences	0	0
Special education		
70 = Special ed., general	1	0
71 = Education of the emotionally disturbed	0	0
72 = Education of the mentally retarded	2	0
73 = Education of the speech/ hearing/vision impaired	2	0
74 = Special learning disabilities	0	0
75 = Other special education	0	0
Other education		
80 = Curriculum and instruction	0	0
81 = Educational admin	2	1
82 = Educational psychology	0	0
83 = Student personnel and counseling	0	0
84 = Other education	2	0
99 = Not answered	17	15
bl = Not applicable	4768	1930

TSC069 406 - 407 C. What was your second major or minor field

1

Page 215

of study for each degree

```
GENERAL
11 = Agriculture and natural
     resources                                  0         0
12 = Architecture and environmental
     design                                     0         0
13 = Area and ethnic studies                    0         0
14 = Biological/life science                    0         0
15 = Business and management                    0         0
17 = Computer and information
     science                                    0         0
18 = Engineering                                0         0
19 = Fine and applied arts                      0         0
20 = Foreign languages                          0         0
21 = Health professions                         0         0
22 = Home economics                             0         0
23 = Law                                        0         0
24 = Letters (English, literature,
     speech, classics)                          0         0
25 = Library science                            0         0
26 = Mathematics                                0         0
27 = Military science                           0         0
28 = Multi/interdisciplinary
     studies                                    0         0
29 = Philosophy and religion                    0         0
30 = Psychology                                 0         0
31 = Public affairs and
     services                                   0         0
32 = Theology                                   0         0

Physical sciences
33 = Chemistry                                  0         0
34 = Physics                                    0         0
35 = Geology/earth science                      0         0
36 = Other physical sciences                    0         0

Social science
37 = Economics                                  0         0
38 = History                                    0         0
39 = Political science and
     government                                 0         0
40 = Sociology                                  0         0
41 = Other social sciences                      0         0
42 = Other                                      0         0

EDUCATION
```

General education		
51 = Elementary	0	0

1
Page 216

52 = Pre-elementary/early childhood	0	0
53 = Secondary	0	0
Subject area education		
54 = Agricultural	0	0
55 = Art	0	0
56 = Bilingual	0	0
57 = Business, commerce, and distributive	0	0
58 = English as a second language	0	0
59 = English	0	0
60 = Foreign languages	0	0
61 = Home economics	0	0
62 = Industrial arts, vocational and technical	0	0
63 = Mathematics	0	0
64 = Music	0	0
65 = Physical ed./health ed.	0	0
66 = Reading	0	0
67 = Science	0	0
68 = Social studies/social sciences	2	0
Special education		
70 = Special ed., general	0	0
71 = Education of the emotionally disturbed	0	0
72 = Education of the mentally retarded	0	0
73 = Education of the speech/ hearing/vision impaired	0	0
74 = Special learning disabilities	0	0
75 = Other special education	0	0
Other education		

80 = Curriculum and instruction	0	0
81 = Educational administration	0	0
82 = Educational psychology	0	0
83 = Student personnel and counseling	0	0
84 = Other education	0	0
99 = Not answered	15	7
bl = Not applicable	4795	1944

1

1988-89 TEACHER FOLLOW-UP SURVEY
DOCUMENTATION
PUBLIC-USE TAPE

APPENDIX 'D'

FREQUENCES FOR

TSC042, TSC046, TSC050, TSC054, TSC058, TSC062, TSC066, TSC070

FIELD NAME	LOCATION	CODES = COMMENTS	PUBLIC SCHOOL	PRIVATE SCHOOL
TSC042	357 - 358	14d. In what year did you receive your degree?		
		33 = Year	0	1
		38 =	0	1
		41 =	1	0
		42 =	1	0
		43 =	2	0
		45 =	3	0
		46 =	2	0
		47 =	4	0

48 =	2	0
49 =	3	2
50 =	5	0
51 =	4	0
52 =	3	3
53 =	5	0
54 =	4	1
55 =	4	0
56 =	3	0
57 =	5	0
58 =	3	3
59 =	2	2
60 =	3	4
61 =	6	2
62 =	8	1
63 =	6	1
64 =	10	2
65 =	6	2
66 =	10	7
67 =	17	6
68 =	14	2
69 =	20	3
70 =	24	8
71 =	29	5

1
Page 218

72 =	25	8
73 =	18	7
74 =	12	9
75 =	19	6
76 =	22	10
77 =	22	6
78 =	21	11
79 =	29	12
80 =	25	12
81 =	38	12
82 =	37	11
83 =	22	13
84 =	15	8
85 =	24	13
86 =	15	11
87 =	7	7

88	=	3	1
99	= Not answered	88	31
bl	= Not applicable	4161	1707

TSC046 364 - 365

27	= Year	1	0
30	=	0	1
32	=	0	1
35	=	0	1
39	=	2	0
40	=	1	1
41	=	4	1
42	=	5	0
43	=	6	3
44	=	4	3
45	=	12	2
46	=	12	3
47	=	17	1
48	=	25	8
49	=	25	4
50	=	40	4
51	=	38	10
52	=	35	8
53	=	41	2
54	=	41	14
55	=	41	5
56	=	37	13
57	=	56	8
58	=	58	8
59	=	52	13
60	=	57	21
61	=	63	16
62	=	70	14

1

Page 219

63	=	73	19
64	=	78	26
65	=	78	40
66	=	95	26
67	=	94	34

68 =	120	52
69 =	154	47
70 =	150	43
71 =	156	61
72 =	189	74
73 =	157	55
74 =	140	54
75 =	148	60
76 =	131	56
77 =	123	36
78 =	132	54
79 =	141	49
80 =	133	73
81 =	135	68
82 =	160	78
83 =	178	86
84 =	200	95
85 =	268	123
86 =	242	145
87 =	179	102
88 =	1	3
99 = Not answered	369	123
bl = Not applicable	45	104

TSC050 371 - 372

48 = Year	0	1
49 =	2	1
51 =	1	1
52 =	1	0
54 =	0	1
55 =	1	2
56 =	2	1
58 =	1	1
59 =	0	1
60 =	2	2
61 =	4	0
62 =	2	0
63 =	2	0
64 =	3	0
65 =	3	0
66 =	1	0
67 =	2	0
68 =	4	0
69 =	5	0

1
Page 220

70 =	7	2
71 =	3	2
72 =	9	2
73 =	8	1
74 =	4	4
75 =	3	2
76 =	11	1
77 =	4	3
78 =	8	3
79 =	6	0
80 =	12	6
81 =	16	5
82 =	5	7
83 =	10	7
84 =	15	7
85 =	25	9
86 =	24	10
87 =	12	9
88 =	5	1
99 = Not answered	50	14
bl = Not applicable	4539	1845

TSC054 378 - 379

40 = Year	0	1
43 =	1	1
46 =	0	1
47 =	2	0
48 =	1	0
49 =	1	1
50 =	5	0
51 =	2	1
52 =	4	0
53 =	4	0
54 =	6	2
55 =	4	1
56 =	8	1
57 =	14	1
58 =	8	3

59 =	14	2
60 =	10	6
61 =	14	3
62 =	7	4
63 =	18	4
64 =	23	3
65 =	25	6
66 =	35	11
67 =	33	11
68 =	37	13
69 =	33	7

1

Page 221

70 =	47	11
71 =	51	18
72 =	85	16
73 =	68	12
74 =	58	15
75 =	90	26
76 =	82	19
77 =	69	18
78 =	83	15
79 =	64	16
80 =	69	18
81 =	70	18
82 =	66	21
83 =	72	22
84 =	64	27
85 =	69	25
86 =	62	34
87 =	106	33
88 =	49	24
99 = Not answered	28	54
bl = Not applicable	**	

TSC058 385 - 386

55 = Year	1	1
57 =	1	1
61 =	0	1
62 =	1	1

63 =	1	0
66 =	1	1
67 =	1	1
69 =	1	0
70 =	6	0
71 =	2	2
72 =	2	1
73 =	1	2
74 =	3	1
75 =	4	4
76 =	3	1
77 =	2	1
78 =	6	1
79 =	3	2
80 =	9	0
81 =	8	0
82 =	7	2
83 =	6	2
84 =	4	0
85 =	3	2
86 =	6	4
87 =	13	1

1
Page 222

88 =	1	1
99 = Not answered	22	10
bl = Not applicable	4694	1908

TSC062 392 - 393

47 = Year	1	0
57 =	0	1
59 =	1	1
60 =	1	0
62 =	1	1
63 =	1	0
64 =	2	0
65 =	1	0
66 =	1	0
67 =	4	0
68 =	1	2

69 =	2	0
70 =	6	2
71 =	2	0
72 =	9	1
73 =	6	0
74 =	7	1
75 =	13	1
76 =	4	1
77 =	5	1
78 =	12	2
79 =	13	1
80 =	7	1
81 =	14	2
82 =	10	6
83 =	12	1
84 =	11	1
85 =	11	4
86 =	16	4
87 =	24	5
88 =	19	3
99 = Not answered	74	17
bl = Not applicable	4521	1892

TSC066 400 - 401

55 = Year	1	0
58 =	1	0
60 =	1	0
65 =	1	0
68 =	0	1
70 =	1	1
71 =	1	3

1

Page 223

72 =	0	1
74 =	0	1
75 =	4	0
76 =	3	1
77 =	1	0
78 =	1	2
80 =	1	0

81 =	1	0
82 =	1	0
83 =	6	1
84 =	1	0
85 =	1	0
86 =	0	2
87 =	0	1
88 =	4	1
99 = Not answered	14	5
bl = Not applicable	4768	1930

TSC070 408 - 409

64 = Year	1	0
76 =	1	2
77 =	1	0
82 =	1	0
85 =	1	0
87 =	0	1
88 =	3	0
99 = Not answered	9	4
bl = Not applicable	4795	1944

1
Page 224

1

1988-89 TEACHER FOLLOW-UP SURVEY
DOCUMENTATION
PUBLIC-USE TAPE

APPENDIX 'E'

FREQUENCIES FOR

TSC078, TSC079, TSC081, TSC083, TSC129

FIELD NAME	LOCATION	CODES = COMMENTS	PUBLIC SCHOOL	PRIVATE SCHOOL
TSC078	425 - 426	In what field do you teach the second most classes?		
		01 = Prekindergarten	5	15
		02 = Kindergarten	8	9
		03 = General elementary	18	17
		Special areas		
		04 = Art	16	31
		05 = Basic skills and remedial ed.	15	6
		06 = Bilingual ed.	11	2
		07 = Business ed.	12	9
		08 = Computer science	48	18
		09 = English/language arts	88	54
		10 = English as a second		

language	17	1
11 = Foreign language	18	20
12 = Gifted	25	2
13 = Health, physical education	65	37
14 = Home economics	7	2
15 = Industrial arts	13	4
16 = Mathematics	82	72
17 = Music	11	26
18 = Reading	50	46
19 = Religion/philosophy	0	51
20 = Social studies/social science	77	58
Science		
21 = Biology	28	18
22 = Chemistry	17	8
23 = Earth science/geology	24	8
24 = Physics	25	8
25 = General and all other science	66	32

1
Page 226

Special Education		
26 = Mentally retarded	29	2
27 = Emotionally disturbed	21	5
28 = Learning disabled	28	13
29 = Speech and hearing impaired	1	2
30 = Other special education	15	6
31 = Vocational education	12	1
32 = ALL others	50	23

TSC079 427 - 428 What field do you feel BEST QUALIFIED to teach?

01 = Prekindergarten	13	22
02 = Kindergarten	168	106
03 = General elementary	1202	623
Special areas		
04 = Art	111	59
05 = Basic skills and remedial		

ed.	29	9
06 = Bilingual ed.	26	1
07 = Business ed.	99	17
08 = Computer science	18	9
09 = English/language arts	392	182
10 = English as a second language	31	4
11 = Foreign language	90	71
12 = Gifted	25	3
13 = Health, physical education	273	79
14 = Home economics	107	17
15 = Industrial arts	76	2
16 = Mathematics	346	146
17 = Music	259	74
18 = Reading	155	67
19 = Religion/philosophy	2	64
20 = Social studies/social science	275	119
Science		
21 = Biology	153	51
22 = Chemistry	35	16
23 = Earth science/geology	21	10
24 = Physics	16	9
25 = General and all other science	78	38
Special Education		
26 = Mentally retarded	140	21
27 = Emotionally disturbed	65	15
28 = Learning disabled	229	37

1

Page 227

29 = Speech and hearing impaired	88	9
30 = Other special education	39	10
31 = Vocational education	112	6
32 = All others	47	15

TSC081 430 - 431 For what field do you feel second best qualified?

01 = Prekindergarten	62	45
02 = Kindergarten	170	117
03 = General elementary	405	135
Special areas		
04 = Art	45	42
05 = Basic skills and remedial ed.	60	22
06 = Bilingual ed.	25	6
07 = Business ed.	52	17
08 = Computer science	85	28
09 = English/language arts	271	141
10 = English as a second language	48	15
11 = Foreign language	79	33
12 = Gifted	65	15
13 = Health, physical education	168	40
14 = Home economics	29	14
15 = Industrial arts	34	3
16 = Mathematics	227	131
17 = Music	49	48
18 = Reading	196	82
19 = Religion/philosophy	14	84
20 = Social studies/social science	303	121
Science		
21 = Biology	114	28
22 = Chemistry	55	23
23 = Earth science/geology	60	16
24 = Physics	41	15
25 = General and all other science	151	72
Special Education		
26 = Mentally retarded	87	14
27 = Emotionally disturbed	52	21
28 = Learning disabled	132	32
29 = Speech and hearing impaired	13	9
30 = Other special education	45	13

31 = Vocational education	38	3
32 = All others	77	21

TSC083 433 - 434 What was you previous primary assignment field?

01 = Prekindergarten	22	36
02 = Kindergarten	63	37
03 = General elementary	390	138
Special areas		
04 = Art	12	8
05 = Basic skills and remedial ed.	21	3
06 = Bilingual ed.	6	0
07 = Business ed.	22	4
08 = Computer science	4	2
09 = English/language arts	92	53
10 = English as a second language	16	3
11 = Foreign language	28	7
12 = Gifted	11	2
13 = Health, physical education	75	13
14 = Home economics	25	3
15 = Industrial arts	12	1
16 = Mathematics	57	17
17 = Music	15	19
18 = Reading	46	10
19 = Religion/philosophy	0	6
20 = Social studies/social science	64	28
Science		
21 = Biology	39	8
22 = Chemistry	10	4
23 = Earth science/geology	24	0
24 = Physics	5	1
25 = General and all other science	41	12
Special Education		
26 = Mentally retarded	56	11
27 = Emotionally disturbed	30	9
28 = Learning disabled	61	15

29 = Speech and hearing impaired	14	5
30 = Other special education	24	3
31 = Vocational education	9	1
32 = All others	21	9

1

Page 229

TSC129 521 - 522 For what assignment field was this training relevant?

01 = Prekindergarten	2	8
02 = Kindergarten	30	16
03 = General elementary	344	157
Special areas		
04 = Art	19	10
05 = Basic skills and remedial ed.	15	5
06 = Bilingual ed.	15	0
07 = Business ed.	14	8
08 = Computer science	68	16
09 = English/language arts	75	23
10 = English as a second language	20	2
11 = Foreign language	25	5
12 = Gifted	33	8
13 = Health, physical education	43	18
14 = Home economics	23	4
15 = Industrial arts	11	1
16 = Mathematics	85	16
17 = Music	52	17
18 = Reading	61	25
19 = Religion/philosophy	1	25
20 = Social studies/social science	46	12
Science		
21 = Biology	23	8
22 = Chemistry	6	2
23 = Earth science/geology	13	5

24 = Physics	11	2
25 = General and all other science	38	10
Special Education		
26 = Mentally retarded	36	4
27 = Emotionally disturbed	23	14
28 = Learning disabled	78	18
29 = Speech and hearing impaired	21	4
30 = Other special education	45	12
31 = Vocational education	31	5
32 = ALL others	180	34

1
Page 230

1

1988-89 TEACHER FOLLOW-UP SURVEY
DOCUMENTATION
PUBLIC-USE TAPE

APPENDIX 'F'

FREQUENCIES FOR

TSC166, TSC173, TSC180, TSC187, TSC194, TSC201, TSC208, TSC215, TSC222

FIELD NAME	LOCATION	CODES = COMMENTS	PUBLIC SCHOOL	PRIVATE SCHOOL
TSC166	580 - 581	a. What was the subject matter of each class you taught		
		Business/vocational		
		11 = Accounting/bookkeeping	22	6
		12 = Shorthand	4	0
		13 = Typing	31	5
		14 = Other business education courses	21	1
		15 = Career ed.	14	0
		16 = Agriculture	26	2
		17 = Industrial arts	47	5
		18 = Home economics	60	7
		19 = Other vocational, trade, and industrial education	39	5
		English/language arts		
		21 = Literature	82	34
		22 = Composition/journalism/creative writing	53	19
		23 = Reading	131	51
		24 = English as a second language	11	1
		25 = Other English/language arts courses	152	49
		Foreign languages		
		31 = French	19	17
		32 = German	3	5
		33 = Latin	5	6
		34 = Russian	3	0
		35 = Spanish	33	24
		36 = Other foreign language	0	0
		Mathematics		

41 = General math	135	45
42 = Business math	5	2
43 = Algebra, elem. Algebra, intermediate	33	24
44 =	29	16
45 = Algebra, advanced	9	2
46 = Geometry, plane/solid	20	5
47 = Trigonometry	2	3
48 = Analytic geometry/math analysis Probability/statistics	2	3
50 = Calculus	8	1
51 = Other mathematics	17	4
Computer science		
52 = Computer awareness/applications	15	5
53 = Computer programming	13	2
54 = Other computer science	3	0
Natural science		
61 = General science	39	15
62 = Biology/life science	81	24
63 = Chemistry	19	14
64 = Physics	18	5
65 = Earth/space science	34	4
66 = Other physical science	34	7
67 = Other natural science	7	0
Social science		
70 = Social studies	43	17
71 = History	72	31
72 = World civilization	16	2
73 = Political science/ government	12	3
74 = Geography	19	2
75 = Economics	12	1
76 = Civics	3	4
77 = Sociology/social organization	2	1
78 = Other social sciences	4	4
Visual and performing arts		
81 = Arts and crafts	69	31
82 = Filmmaking/photography	2	0
83 = Chorus	20	5
84 = Band	41	4

85 = Drama/theater/dance	7	3
86 = Music	79	27
87 = Other visual/performing arts	7	2

1

Page 233

Other areas		
91 = Driver ed.	4	0
92 = Health	26	2
93 = Philosophy/religion	0	51
94 = Physical ed.	111	36
95 = Psychology	3	1
96 = Other courses not elsewhere classified	35	21
99 = Not answered	285	91
bl = Not applicable	2661	1194

TSC173 592 - 593 a. What was the subject matter of each class you taught

Business/vocational		
11 = Accounting/bookkeeping	16	4
12 = Shorthand	3	0
13 = Typing	41	4
14 = Other business education courses	18	3
15 = Career ed.	17	2
16 = Agriculture	26	3
17 = Industrial arts	42	3
18 = Home economics	55	6
19 = Other vocational, trade, and industrial education	37	3
English/language arts		
21 = Literature	74	32
22 = Composition/journalism/creative writing	72	19
23 = Reading	104	41
24 = English as a second		

```
     language                                    15        1
25 = Other English/language
     arts courses                                146       59

Foreign languages
31 = French                                      14        17
32 = German                                      4         5
33 = Latin                                       5         5
34 = Russian                                     1         0
35 = Spanish                                     31        21
36 = Other foreign language                      1         0

Mathematics
41 = General math                                110       52
42 = Business math                               7         2
43 = Algebra, elem.  Algebra, inter-


1
Page 234


     mediate                                     36        23
45 = Algebra, advanced                           12        7
46 = Geometry, plane/solid                       25        10
47 = Trigonometry                                4         4
48 = Analytic geometry/math analysis
     Probability/statistics                      7         2
50 = Calculus                                    7         2
51 = Other mathematics                           16        3

Computer science
52 = Computer aware-
     ness/applications                           14        4
53 = Computer programming                        5         5
54 = Other computer science                      4         0

Natural science
61 = General science                             43        23
62 = Biology/life science                        59        21
63 = Chemistry                                   21        10
64 = Physics                                     13        4
65 = Earth/space science                         37        5
66 = Other physical science                      46        9
67 = Other natural science                       6         3
```

Social science		
70 = Social studies	43	16
71 = History	59	28
72 = World civilization	18	5
73 = Political science/ government	17	2
74 = Geography	23	2
75 = Economics	11	2
76 = Civics	6	1
77 = Sociology/social organization	2	0
78 = Other social sciences	6	3
Visual and performing arts		
81 = Arts and crafts	60	28
82 = Filmmaking/photography	0	0
83 = Chorus	15	2
84 = Band	24	4
85 = Drama/theater/dance	7	2
86 = Music	76	24
87 = Other visual/performing arts	7	2
Other areas		
91 = Driver ed.	3	0
92 = Health	28	5
93 = Philosophy/religion	1	31

1

Page 235

94 = Physical ed.	104	37
95 = Psychology	3	1
96 = Other courses not elsewhere classified	36	10
99 = Not answered	267	84
bl = Not applicable	2779	1242

TSC180 604 - 605 a. What was the subject matter of each class you taught

Business/vocational

11 = Accounting/bookkeeping	17	5
12 = Shorthand	3	0
13 = Typing	31	2
14 = Other business education courses	14	1
15 = Career ed.	15	0
16 = Agriculture	27	1
17 = Industrial arts	41	3
18 = Home economics	52	6
19 = Other vocational, trade, and industrial education	36	7
English/language arts		
21 = Literature	81	21
22 = Composition/journalism/creative writing	57	14
23 = Reading	84	27
24 = English as a second language	6	1
25 = Other English/language arts courses	139	51
Foreign languages		
31 = French	16	16
32 = German	5	5
33 = Latin	2	7
34 = Russian	1	0
35 = Spanish	35	15
36 = Other foreign language	1	50
Mathematics		
41 = General math	141	50
42 = Business math	8	1
43 = Algebra, elem. Algebra, intermediate	46	15
44 =	25	9
45 = Algebra, advanced	9	1
46 = Geometry, plane/solid	21	15

1
Page 236

47 = Trigonometry	2	1
48 = Analytic geometry/math analysis		

Probability/statistics	4	3
49 =	1	0
50 = Calculus	2	4
51 = Other mathematics	15	2
Computer science		
52 = Computer aware-ness/applications	13	6
53 = Computer programming	10	5
54 = Other computer science	4	1
Natural science		
61 = General science	43	27
62 = Biology/life science	52	22
63 = Chemistry	17	11
64 = Physics	16	5
65 = Earth/space science	33	7
66 = Other physical science	38	11
67 = Other natural science	6	1
Social science		
70 = Social studies	48	18
71 = History	52	27
72 = World civilization	18	7
73 = Political science/ government	13	3
74 = Geography	15	3
75 = Economics	7	2
76 = Civics	7	0
77 = Sociology/social organization	6	0
78 = Other social sciences	8	1
Visual and performing arts		
81 = Arts and crafts	59	30
82 = Filmmaking/photography	0	1
83 = Chorus	16	6
84 = Band	26	2
85 = Drama/theater/dance	7	6
86 = Music	79	25
87 = Other visual/performing arts	4	2
Other areas		
91 = Driver ed.	5	1
92 = Health	23	9

93 = Philosophy/religion	0	31
94 = Physical ed.	113	36
95 = Psychology	3	1

1

Page 237

96 = Other courses not elsewhere classified	31	10
99 = Not answered	265	87
bl = Not applicable	2838	1255

TSC187 616 - 617 a. What was the subject matter of each class you taught

Business/vocational		
11 = Accounting/bookkeeping	7	3
12 = Shorthand	3	0
13 = Typing	30	8
14 = Other business education courses	17	2
15 = Career ed.	21	0
16 = Agriculture	22	2
17 = Lndustrial arts	44	5
18 = Home economics	56	7
19 = Other vocational, trade, and industrial education	35	4
English/language arts		
21 = Literature	70	38
22 = Composition/journalism/creative writing	46	11
23 = Reading	66	25
24 = English as a second language	8	0
25 = Other English/language arts courses	131	55
Foreign languages		
31 = French	16	14
32 = German	4	4
33 = Latin	3	4
34 = Russian	1	0

35 = Spanish	32	14
36 = Other foreign language	1	0
Mathematics		
41 = General math	104	28
42 = Business math	5	1
43 = Algebra, elem. Algebra, intermediate	37	10
44 =	27	8
45 = Algebra, advanced	6	6
46 = Geometry, plane/solid	26	6
47 = Trigonometry	4	1
48 = Analytic geometry/math analysis Probability/statistics	7	2

1
Page 238

50 = Calculus	3	1
51 = Other mathematics	14	2
Computer science		
52 = Computer awareness/applications	13	6
53 = Computer programing	10	7
54 = Other computer science	3	0
Natural science		
61 = General science	57	27
62 = Biology/life science	58	22
63 = Chemistry	19	9
64 = Physics	12	5
65 = Earth/space science	34	6
66 = Other physical science	28	5
67 = Other natural science	3	2
Social science		
70 = Social studies	55	14
71 = History	44	18
72 = World civilization	21	4
73 = Political science/ government	11	0
74 = Geography	9	7
75 = Economics	8	4

76 = Civics	3	4
77 = Sociology/social organization	1	1
78 = Other social sciences	5	4
Visual and performing arts		
81 = Arts and crafts	54	26
82 = Filmmaking/photography	0	0
83 = Chorus	15	5
84 = Band	26	1
85 = Drama/theater/dance	6	3
86 = Music	72	20
87 = Other visual/performing arts	6	0
Other areas		
91 = Driver ed.	2	0
92 = Health	23	3
93 = Philosophy/religion	0	30
94 = Physical ed.	96	34
95 = Psychology	1	2
96 = Other courses not elsewhere classified	41	14
99 = Not answered	253	93
bl = Not applicable	2977	1312

1

Page 239

TSC194 628 - 629 a. What was the subject matter of each class you taught

Business/vocational		
11 = Accounting/bookkeeping	5	2
12 = Shorthand	0	0
13 = Typing	28	5
14 = Other business education courses	18	1
15 = Career ed.	11	0
16 = Agriculture	24	0
17 = Industrial arts	37	1
18 = Home economics	53	6
19 = Other vocational, trade, and industrial education	29	2

English/language arts		
21 = Literature	63	21
22 = Composition/journalism/creative writing	42	14
23 = Reading	54	16
24 = English as a second language	3	0
25 = Other English/language arts courses	116	42
Foreign languages		
31 = French	14	15
32 = German	5	1
33 = Latin	1	3
34 = Russian	2	0
35 = Spanish	27	10
36 = Other foreign language	0	0
Mathematics		
41 = General math	91	24
42 = Business math	12	0
43 = Algebra, elem. Algebra, intermediate	36	6
45 = Algebra, advanced	8	2
46 = Geometry, plane/solid	18	4
47 = Trigonometry	3	2
48 = Analytic geometry/math analysis Probability/statistics	4	1
50 = Calculus	4	3
51 = Other mathematics	17	3
Computer science		
52 = Computer awareness/applications	17	7
53 = Computer programming	7	3

1
Page 240

54 = Other computer science	1	1
Natural science		
61 = General science	52	31

62 = Biology/life science	63	19
63 = Chemistry	16	11
64 = Physics	9	3
65 = Earth/space science	29	13
66 = Other physical science	25	6
67 = Other natural science	7	0
Social science		
70 = Social studies	45	16
71 = History	44	20
72 = World civilization	15	3
73 = Political science/ government	6	2
74 = Geography	17	2
75 = Economics	4	0
76 = Civics	6	2
77 = Sociology/social organization	1	2
78 = Other social sciences	7	2
Visual and performing arts		
81 = Arts and crafts	51	22
82 = Filmmaking/Photography	1	1
83 = Chorus	13	4
84 = Band	21	2
85 = Drama/theater/dance	9	5
86 = Music	68	22
87 = Other visual/performing arts	4	4
Other areas		
91 = Driver ed.	3	0
92 = Health	27	4
93 = Philosophy/religion	1	24
94 = Physical ed.	96	41
95 = Psychology	2	1
96 = Other courses not elsewhere classified	34	12
99 = Not answered	251	89
bl = Not applicable	3116	1386

TSC201 640 - 641 a. What was the subject matter of each class you taught

Business/vocational

11 = Accounting/bookkeeping	7	2

1

12 = Shorthand	1	0
13 = Typing	27	4
14 = Other business education courses	10	0
15 = Career ed.	12	0
16 = Agriculture	24	2
17 = Industrial arts	27	1
18 = Home economics	49	5
19 = Other vocational, trade, and indus-trail education	28	3
English/language arts		
21 = Literature	56	15
22 = Composition/journalism/creative writing	34	16
23 = Reading	49	14
24 = English as a second language	12	0
25 = Other English/language arts courses	104	24
Foreign languages		
31 = French	13	11
32 = German	2	2
33 = Latin	5	3
34 = Russian	1	1
35 = Spanish	23	11
36 = Other foreign language	0	0
Mathematics		
41 = General math	72	18
42 = Business math	4	3
43 = Algebra, elem. Algebra, inter-mediate	27	5
44 =	0	2
45 = Algebra, advanced	4	3
46 = Geometry, plane/solid	16	4
47 = Trigonometry	3	0
48 = Analytic geometry/math analysis		

Probability/statistics	0	2
50 = Calculus	1	0
51 = Other mathematics	10	0
Computer science		
52 = Computer aware-ness/applications	10	9
53 = Computer programming	9	0
54 = Other computer science	3	0
Natural science		
61 = General science	34	27

1
Page 242

62 = Biology/life science	51	12
63 = Chemistry	11	8
64 = Physics	10	8
65 = Earth/space science	18	5
66 = Other physical science	30	4
67 = Other natural science	3	0
Social science		
70 = Social studies	36	9
71 = History	45	15
72 = World civilization	13	4
73 = Political science/ government	7	2
74 = Geography	13	2
75 = Economics	6	1
76 = Civics	4	1
77 = Sociology/social organization	3	0
78 = Other social sciences	3	1
Visual and performing arts		
81 = Arts and crafts	42	32
82 = Filmmaking/photography	0	1
83 = Chorus	0	4
84 = Band	25	2
85 = Drama/theater/dance	7	1
86 = Music	59	21
87 = Other visual/performing		

arts	4	2
Other areas		
91 = Driver ed.	1	0
92 = Health	26	5
93 = Philosophy/religion	1	20
94 = Physical ed.	94	34
95 = Psychology	4	3
96 = Other courses not elsewhere classified	39	15
99 = Not answered	232	81
bl = Not applicable	3318	1471

TSC208 652 - 653 a. What was the subject matter of each class you taught

Business/vocational		
11 = Accounting/bookkeeping	4	3
12 = Shorthand	0	0
13 = Typing	15	3
14 = Other business education courses	7	1

1

Page 243

15 = Career ed.	8	0
16 = Agriculture	13	1
17 = Industrial arts	30	0
18 = Home economics	31	3
19 = Other vocational, trade, and indus-trail education	11	4
English/language arts		
21 = Literature	31	14
22 = Composition/journalism/creative writing	21	13
23 = Reading	45	6
24 = English as a second language	5	0
25 = Other English/language arts courses	47	22

Foreign languages		
31 = French	8	8
32 = German	1	4
33 = Latin	2	3
34 = Russian	1	0
35 = Spanish	21	11
36 = Other foreign language	0	0
Mathematics		
41 = General math	43	7
42 = Business math	3	1
43 = Algebra, elem. Algebra, intermediate	18	5
44 =	5	3
45 = Algebra, advanced	2	3
46 = Geometry, plane/solid	11	4
47 = Trigonometry	1	1
48 = Analytic geometry/math analysis Probability/statistics	1	0
50 = Calculus	2	1
51 = Other mathematics	7	0
Computer science		
52 = Computer awareness/applications	11	3
53 = Computer programming	8	1
54 = Other computer science	0	1
Natural science		
61 = General science	16	12
62 = Biology/life science	23	10
63 = Chemistry	8	7
64 = Physics	5	5
65 = Earth/space science	12	3

1
Page 244

66 = Other physical science	18	3
67 = Other natural science	3	0
Social science		
70 = Social studies	28	9
71 = History	16	9

72 = World civilization	6	3
73 = Political science/ government	4	0
74 = Geography	10	4
75 = Economics	2	1
76 = Civics	2	1
77 = Sociology/social organization	2	2
78 = Other social sciences	0	2
Visual and performing arts		
81 = Arts and crafts	36	28
82 = Filmmaking/photography	0	0
83 = Chorus	8	5
84 = Band	21	0
85 = Drama/theater/dance	8	4
86 = Music	49	24
87 = Other visual/performing arts	3	1
Other areas		
91 = Driver ed.	1	0
92 = Health	14	5
93 = Philosophy/religion	2	16
94 = Physical ed.	66	32
95 = Psychology	2	2
96 = Other courses not elsewhere classified	27	17
99 = Not answered	220	76
bl = Not applicable	3787	1544

TSC215 664 - 665 a. What was the subject matter of each class you taught

Business/vocational		
11 = Accounting/bookkeeping	1	2
12 = Shorthand	1	0
13 = Typing	2	3
14 = Other business education courses	1	1
15 = Career ed.	2	0
16 = Agriculture	2	0
17 = Industrial arts	6	0
18 = Home economics	8	2

1

19 = Other vocational, trade, and industrial education	4	2
English/language arts		
21 = Literature	7	3
22 = Composition/journalism/creative writing	7	6
23 = Reading	11	1
24 = English as a second language	1	0
25 = Other English/language arts courses	23	6
Foreign languages		
31 = French	4	5
32 = German	0	2
33 = Latin	0	1
34 = Russian	0	0
35 = Spanish	8	7
36 = Other foreign language	0	0
Mathematics		
41 = General math	16	5
42 = Business math	2	0
43 = Algebra, elem. Algebra, intermediate	6	1
44 =	0	2
45 = Algebra, advanced	2	2
46 = Geometry, plane/solid	3	1
47 = Trigonometry	1	0
48 = Analytic geometry/math analysis Probability/statistics	0	0
50 = Calculus	0	0
51 = Other mathematics	5	0
Computer science		
52 = Computer awareness/applications	3	2
53 = Computer programming	0	2
54 = Other computer science	1	1

Natural science		
61 = General science	4	3
62 = Biology/life science	4	4
63 = Chemistry	1	1
64 = Physics	4	1
65 = Earth/space science	1	0
66 = Other physical science	2	1
67 = Other natural science	2	2
Social science		

1
Page 246

70 = Social studies	4	3
71 = History	3	5
72 = World civilization	2	0
73 = Political science/ government	0	0
74 = Geography	1	1
75 = Economics	0	1
76 = Civics	1	0
77 = Sociology/social organization	0	0
78 = Other social sciences	2	1
Visual and performing arts		
81 = Arts and crafts	21	23
82 = Filmmaking/Photography	1	0
83 = Chorus	1	3
84 = Band	7	3
85 = Drama/theater/dance	2	1
86 = Music	30	11
87 = Other visual/performing arts	2	1
Other areas		
91 = Driver ed.	0	1
92 = Health	2	5
93 = Philosophy/religion	1	6
94 = Physical ed.	37	6
95 = Psychology	1	0
96 = Other courses not elsewhere classified	7	4

99 = Not answered	205	75
bl = Not applicable	4330	1715

TSC222 676 - 677 a. What was the subject matter of each class you taught

Business/vocational		
11 = Accounting/bookkeeping	0	1
12 = Shorthand	0	0
13 = Typing	0	0
14 = Other business education courses	0	0
15 = Career ed.	0	0
16 = Agriculture	0	0
17 = Industrial arts	4	0
18 = Home economics	5	1
19 = Other vocational, trade, and industrial education	1	1
English/language arts		

1

Page 247

21 = Literature	2	0
22 = Composition/journalism/creative writing	0	2
23 = Reading	7	1
24 = English as a second language	1	1
25 = Other English/language arts courses	5	0
Foreign languages		
31 = French	3	1
32 = German	0	0
33 = Latin	0	0
34 = Russian	0	0
35 = Spanish	4	2
36 = Other foreign language	0	0
Mathematics		
41 = General math	4	1

42 = Business math	0	0
43 = Algebra, elem. Algebra, intermediate	2	0
44 =	0	1
45 = Algebra, advanced	0	0
46 = Geometry, plane/solid	3	0
47 = Trigonometry	0	0
48 = Analytic geometry/math analysis/ Probability/statistics	1	1
50 = Calculus	0	0
51 = Other mathematics	0	0
Computer science		
52 = Computer awareness/applications	2	2
53 = Computer programming	0	1
54 = Other computer science	1	0
Natural science		
61 = General science	2	1
62 = Biology/life science	3	2
63 = Chemistry	0	1
64 = Physics	1	2
65 = Earth/space science	0	1
66 = Other physical science	1	0
67 = Other natural science	1	0
Social science		
70 = Social studies	0	1
71 = History	3	2
72 = World civilization	0	1
73 = Political science/		

1
Page 248

government	0	0
74 = Geography	1	0
75 = Economics	0	0
76 = Civics	0	0
77 = Sociology/social organization	0	0
78 = Other social sciences	0	0

```
Visual and performing arts
81 = Arts and crafts                          11        7
82 = Filmmaking/photography                   0         0
83 = Chorus                                   3         3
84 = Band                                     7         3
85 = Drama/theater/dance                      1         2
86 = Music                                    17        6
87 = Other visual/performing
     arts                                     2         1

Other areas
91 = Driver ed.                               0         0
92 = Health                                   3         2
93 = Philosophy/religion                      0         2
94 = Physical ed.                             18        10
95 = Psychology                               1         0
96 = Other courses not elsewhere
     classified                               4         4
99 = Not answered                             202       74
bl = Not applicable                           4487      1809
```

1

1988-89 TEACHER FOLLOW-UP SURVEY
DOCUMENTATION
PUBLIC-USE TAPE

APPENDIX 'G'

FREQUENCIES FOR

TSC171, TSC178, TSC185, TSC192, TSC199, TSC206, TSC213, TSC220, TSC227

FIELD NAME	LOCATION	CODES = COMMENTS	PUBLIC SCHOOL	PRIVATE SCHOOL
TSC171	590 - 590	f. What is the achievement level of students in each class you taught, relative to others at this school		
		1 = Primarily higher achieving students	325	170
		2 = Primarily average achieving students	665	287
		3 = Primarily lower achieving students	334	45
		4 = Students of widely differing achievement levels	570	166
		9 = Not answered	257	89
		bl = Not applicable	2661	1194
TSC178	602 - 602	f. What is the achievement level of students in each class you taught, relative to others at this school		
		1 = Primarily higher achieving students	299	144
		2 = Primarily average achieving students	644	270
		3 = Primarily lower achieving students	339	50
		4 = Students of widely differing		

```
              achievement level                              496       159
          9 = Not answered                                   255       86
          bl = Not applicable                                2779      1242


     TSC185   614 - 614    f.  What is the achievement level of students
                                in each class you taught, relative to others at
                                this school


1
Page 250


          1 = Primarily higher achieving
              students                                       293       122
          2 = Primarily average achieving
              students                                       607       265
          3 = Primarily tower achieving
              students                                       332       52
          4 = Students of widely differing
              achievement levels                             491       174
          9 = Not answered                                   251       83
          bl = Not applicable                                2838      1255


     TSC192   626 - 626    f.  What is the achievement level of students
                                in each class you taught, relative to others at
                                this school

          1 = Primarily higher achieving
              students                                       273       116
          2 = Primarily average achieving
              students                                       549       238
          3 = Primarily lower achieving
              students                                       287       39
          4 = Students of widely differing
              achievement levels                             470       161
          9 = Not answered                                   256       85
          bl = Not applicable                                2977      1312


     TSC199   638 - 638    f.  What is the achievement level of students
                                in each class you taught, relative to others at
                                this school
```

1 = Primarily higher achieving students	227	92
2 = Primarily average achieving students	527	203
3 = Primarily tower achieving students	254	35
4 = Students of widely differing achievement levees	443	150
9 = Not answered	245	85
bl = Not applicable	3116	1386

TSC206 650 - 650 f. What is the achievement level of students in each class you taught, relative to others at this school

1 = Primarily higher achieving students	199	86
2 = Primarily average achieving students	419	178
3 = Primarily lower achieving students	236	21
4 = Students of widely differing achievement levels	407	116
9 = Not answered	233	79
bl = Not applicable	3318	1471

TSC213 662 - 662 f. What is the achievement level of students in each class you taught, relative to others at this school

1 = Primarily higher achieving students	111	72
2 = Primarily average achieving students	267	137
3 = Primarily lower achieving students	144	20
4 = Students of widely differing achievement levels	276	98

9 = Not answered	227	80
bl = Not applicable	3787	1544

TSC220 674 - 674 f. What is the achievement level of students in each class you taught, relative to others at this school

1 = Primarily higher achieving students	27	27
2 = Primarily average achieving students	99	65
3 = Primarily lower achieving students	56	10
4 = Students of widely differing achievement levels	99	59
9 = Not answered	201	75
bl = Not applicable	4330	1715

TSC227 686 - 686 f. What is the achievement level of students in each class you taught, relative to others at this school

1 = Primarily higher achieving students	15	15
2 = Primarily average achieving students	36	29
3 = Primarily lower achieving students	19	4

1
Page 252

4 = Students of widely differing achievement levels	54	23
9 = Not answered	201	71
bl = Not applicable	4487	1809

1

1988-89 TEACHER FOLLOW-UP SURVEY
DOCUMENTATION
PUBLIC-USE TAPE

APPENDIX 'H'

FREQUENCIES FOR

TSC172, TSC179, TSC186, TSC193, TSC200, TSC207, TSC214, TSC221, TSC228

FIELD NAME	LOCATION	CODES = COMMENTS	PUBLIC SCHOOL	PRIVATE SCHOOL
TSC172	591 - 591	g. For each class period you taught, was it advanced placement, bilingual, gifted, remedial, or special education		
		1 = Advanced placement (AP) - allows completion of college level credit	58	21
		2 = Bilingual	25	16
		3 = Gifted	44	12
		4 = Remedial	116	17
		5 = Special education	96	25
		6 = None of the above	1457	554
		9 = Not answered	355	112
		bl = Not applicable	2661	1194
TSC179	603 - 603	g. For each class period you taught, was it advanced placement, bilingual, gifted, remedial, or special education		
		1 = Advanced placement (AP) - allows completion of college level credit	47	18
		2 = Bilingual	25	12
		3 = Gifted	50	13
		4 = Remedial	110	16
		5 = Special education	89	26
		6 = None of the above	1382	520
		9 = Not answered	330	104
		bl = Not applicable	2779	1242

TSC186 615 - 615 g. For each class period you taught, was it advanced placement, bilingual, gifted, remedial, or special education

1 = Advanced placement (AP) - allows

1
Page 254

completion of college level credit	40	25
2 = Bilingual	23	11
3 = Gifted	48	15
4 = Remedial	99	19
5 = Special education	91	22
6 = None of the above	1351	493
9 = Not answered	322	111
bl = Not applicable	2838	1255

TSC193 627 - 627 g. For each class period you taught, was it advanced placement, bilingual, gifted, remedial, or special education

1 = Advanced placement (AP) - allows completion of college level credit	38	21
2 = Bilingual	16	10
3 = Gifted	57	16
4 = Remedial	90	12
5 = Special education	78	23
6 = None of the above	1242	451
9 = Not answered	314	106
bl = Not applicable	2977	1312

TSC200 639 - 639 g. For each class period you taught, was it advanced placement, bilingual, gifted, remedial, or special education

1 = Advanced placement (AP) - allows completion of college level credit	39	16
2 = Bilingual	17	9
3 = Gifted	34	4
4 = Remedial	85	14

5 = Special education	69	20
6 = None of the above	1137	396
9 = Not answered		
bl = Not applicable	3431	1492

TSC207 651 - 651 g. For each class period you taught, was it advanced placement, bilingual, gifted, remedial, or special education

1 = Advanced placement (AP) - allows completion of college level credit	35	9
2 = Bilingual	16	8
3 = Gifted	27	6
4 = Remedial	67	11
5 = Special education	64	13
6 = None of the above	984	336

1

Page 255

9 = Not answered	301	97
bl = Not applicable	3318	1471

TSC214 663 - 663 g. For each class period you taught, was it advanced placement, bilingual, gifted, remedial, or special education

1 = Advanced placement (AP) - allows completions of college level credit	19	4
2 = Bilingual	10	5
3 = Gifted	19	7
4 = Remedial	44	10
5 = Special education	39	9
6 = None of the above	622	279
9 = Not answered	272	93
bl = Not applicable	3787	1544

TSC221 675 - 675 g. For each class period you taught, was it advanced placement, bilingual, gifted, remedial, or special education

1 = Advanced placement (AP) - allows completion of college level credit	4	3
2 = Bilingual	7	3
3 = Gifted	8	2
4 = Remedial	24	3
5 = Special education	18	5
6 = None of the above	207	140
9 = Not answered	214	80
bl = Not applicable	4330	1715

TSC228 687 - 687 g. For each class period you taught, was it advanced placement, bilingual, gifted, remedial, or special education

1 = Advanced placement (AP) - allows completion of college level credit	4	0
2 = Bilingual	3	0
3 = Gifted	1	1
4 = Remedial	8	1
5 = Special education	10	2
6 = None of the above	96	66
9 = Not answered	203	72
bl = Not applicable	4487	1809

U.S. Government Printing Office: 1992 -- 311-987/62993