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## Appendix A

Sampling Techniques, Questionnaires, and Worksheets

## United States Savings and Loan League Data

## PARTICIPATING INSTITUTIONS

In selecting a sample of savings associations for the delinquency study the League aimed at a cross section of the business that would reflect primarily geographic patterns of delinquency. No attempt was made to include size or other institutional differences except within the geographic framework. The basis for the regional distribution of delinquencies was reports from associations to the League's Data Exchange Group (now called the MIRRORS group).

Originally 100 institutions were invited to participate in the study. Of that group fifty responded favorably, but attrition and difficulties with the schedule as set up reduced the final group to thirty-eight. In making up the original list, only associations which were large enough to have at least 100 delinquency accounts were included.
instruction sheets: delinquencies on single-family
CONVENTIONAL LOANS at SAVINGS and loan associations
Note: This study is restricted to conventional single-family home loans. FHA and VA loans and loans on multiple-family properties are not to be included in the sample.

We recognize that variations exist in loan procedures from one association to another. Because of this fact, it is difficult to establish rigid guidelines for this study. Therefore, we will cite the principles we wish to hold to in the study and follow with a recommended, but
illustrative, method of proceeding. The officers supervising the local work can then determine the most efficient method of getting the job done in their own shop. We ask only that the person assigned to extract the information from the loan files have working familiarity with the loan records and procedures and not be simply a clerk. He, or she, should review thoroughly the information in these instructions.

## I. Defining a Delinquent Loan

A delinquent loan is defined as a loan in arrearage sixty days or more. The loan is sixty days or more delinquent if the borrower owes the equivalent of two monthly payments in the last twelve months. You may follow the local practice regarding partial loan payments. What we wish to guard against is including thirty daypast due loans in our sample.
II. Drawing the Sample
A. Select at random 100 loans from the delinquent loan file. To insure randomness, each eligible loan must have an equal chance of being included in the study. Determine first the number of loans eligible for the study. Remember to exclude the ineligible FHA, VA and multi-unit property loans. If the number is 100 or less, include every loan. If the number exceeds 100 , you must sample systematically. If the number of loans is 150 , e.g., include two loans and skip each third loan. If your association has 300 delinquent loans, select one out of every three loans from a register or a listing of such loans, or use the assembled ledger cards and select every third card. If the association had 350 delinquent loans, you would select two loans and skip five loans, etc. It may be that this sampling could best be done in the Collections Department.
B. Select at random 100 loans from the current loan file. If you have 7,000 loans on the books, then the sampling ratio would be $100 / 7000$, or one out of 70 . Typically, you would work through a loan register, a similar listing, or the loan file itself and select every nth loan, record the number of that account and include it in the study. The account numbers of the loans included in the survey may be recorded on a separate sheet, or directly on Worksheet A. Remember, however, to keep the delinquent loans and the current loans separate, because Worksheet $\mathbf{B}$ applies only to delinquent loans.

## III. Definitions—Worksheet A

Worksheet A is to be prepared from materials in the loan file for all loans included in the survey-current and delinquent. All replies
TABLE A 1
WORKSHEET
deLinquency study-conventional single-family mortgages
$\begin{aligned} & \text { (In City } \\ & \text { Check Appropriate Boxes or Fill in } \\ & \text {; Blanks: }\end{aligned}$

| Loan Terms: <br> Date Loan Closed* <br> Original Balance <br> Interest Rate <br> Service Charge* <br> Monthly Payment (PI)* |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3. Loan and Property Characteristics: <br> Purchase Price of Home <br> Appraisal <br> Downpayment* <br> Maturity of Loan <br> Any Junior Financing?* <br> Pledged Saving Acct. <br> Other (Describe) |  |  |  |  |  | Age of Home: * <br> New $\qquad$ Used: 0 to 5 yrs . <br> 5 to 10 yts . <br> 10 to 15 yis . <br> 16 and Over. $\qquad$ $\qquad$ $\qquad$ $\qquad$ |
| 4. Age of Head of Household: $\qquad$ $\qquad$ $\qquad$ $\qquad$ <br> 21 to 29 <br> 30 to 34 <br> 35 to 39 <br> 40 to 44 $\qquad$ $\qquad$ $\qquad$ $\qquad$ <br> 45 to 49 <br> 50 to 54 <br> 55 to 59 <br> 60 \& ove |  |  |  | Marital Status <br> Martied <br> Widowed <br> Divotced <br> Single $\qquad$ $\qquad$ $\qquad$ $\qquad$ |  | 6. Number of Dependents: <br> Number of Jobs* <br> Length of Time on Main Job $\qquad$ $\qquad$ $\qquad$ |

TABLE A. 1 (continued)

must be facts available to loan officer at time of loan application, approval, or closing. Remember to indicate whether each loan is current or delinquent in the upper right-hand corner of the worksheet.
Location of Property. Place here the address of the property. This item is important for identification purposes. We ask, if possible, that a loan officer classify the loans as "In City," "Built-up Suburb," or "New Suburban Development."
Item 1. Date loan closed. Refers to date borrower incurred contractual liability to association-the date of loan closing for construction loans.
Service charge. Includes total of fees and charges, paid by borrower, whether itemized or not. Credit report, appraisal, and title fees are included. Enter dollar amount.
Monthly payment. Includes principal and interest. Escrow payments are not included in this item.
Item 2. Type of loan:
Original borrower-brought in by broker. Borrower referred to association by real estate agent or builder.
Builder loan-assumed. Borrower assumed loan made originally to homebuilder.
Builder loan-substituted. Borrower's loan, although a new contract, was closely tied to (substituted for) the builder's original loan on the same property.
Ordinary assumption. Borrower assumed loan made originally to another borrower.
Ordinary substitution. Borrower's loan, although a new contract, was tied closely to (substituted for) an earlier loan made by association to another borrower on the same property.
Item 3. Downpayment. The earnest money payment and other cash transferred from buyer to seller. Item should appear on settlement statement.
Any junior financing? Any additional borrowing to get the downpayment or any additional collateral offered to make the first mortgage possible. This can be by builder or other third party as well as borrower. Includes pledged savings account, notes, or agreements of builders, or any outside party. Answer "yes" or "no." Where loan file provides evidence that junior financing existed, indicate type of secondary financing involved.

New home. Refers to home not previously occupied. Used home. Previously occupied property.
Items 4, 5, 6 and 8. Refer to Head of Household.
Number of jobs. Refers to "moonlighting" by borrower.
Item 7. Annual income. Indicate dollar amount and whether total comes from wages and salary, own business, or other sources. If income of persons other than husband or wife were noted, indicate source of such income.
Item 9. Purpose of loan:
Construction. Refers to long-term construction loan to borrower.
Purchase. Home purchase. Also includes builder loans that have been assumed or substituted by the home owner.
Repair and improvement. Loan where indicated purpose is major alteration or improvement of property.
Refinancing. Loan written to repay or recast an existing home mortgage debt, even if additional funds are granted for other purposes.
Items 10 \& 11. Credit information. Practice here will vary, depending on degree of reliance on outside credit agency. Recommend that loan application and credit report be used together in completing sections 10 and 11.
Rating by loan interviewer. Where a rating appears in loan file in writing, indicate evaluation. Where it does not, check "None."
Number of references given and number checked. Item refers to credit work done by association. Reply requires a counting of references and a counting of the number checked.
IV. Definitions-Worksheet B. (For delinquent loans only).

Present loan balance. As of March 1, 1963. Taken from loan ledger card.
Number of payments in arrears. As of March 1, 1963. See definition of delinquent loan at beginning of instructions. Partial payments are to be handled according to association practice. If more than 50 per cent of a payment is overdue, most associations count this as a missed payment.
Reason for delinquency. As ascertained in Collections Department. Attitude of borrower. Indicate in capsule fashion essence of any report or reports noted on records by collections personnel regarding contact with borrower.
TABLE A2
WORKSHEET B:
DELINQUENCY STUDY-CONVENTIONAL SINGLE-FAMILY MORTGAGES
(To be Prepared by Collections Dept.)


Other comments. Might include notation regarding previous collection problems and how resolved; comments regarding changes in borrower's situation since date of original loan.

## V. Other Instructions

A. Time schedule. If workload permits, records research should be conducted prior to March 15.
B. Completed worksheets. Hold for visit of League Field Service Representative. He will review procedures followed and pick up the worksheets.
C. Special procedures. If any are employed, please note these for us. Such notations will be of great help in the editing which will precede electronic processing.

## Mortgage Bankers Association Data

## PARTICIPATING INSTITUTIONS

The universe from which the sample was drawn consisted of the regular reporters in the MBA's quarterly delinquency survey. As of June 30, 1962, a year earlier than the actual survey date, there were 38 mutual savings banks, 102 commercial banks, and 256 mortgage companies so reporting. For each institution, a ratio was computed of the number of loans delinquent ninety days or more plus number of loans in foreclosure to the total number of loans serviced. This ratio was then used to compute variances and to estimate the required sample size for each of the three types of institution. The ratio was also used along with the number of loans in default to determine the withininstitution sampling rate. The schedule was:

| Loans in Default | Sample Rate |
| :---: | :---: |
| $0-25$ | $1-1$ |
| $26-60$ | $1-2$ |
| $61-100$ | $1-3$ |
| $100-150$ | $1-4$ |
| $150+$ | $1-10$ |

The results of the sample determination process indicated that it would be necessary to obtain a sample of 50 per cent of the reporters in the mortgage company and commercial bank groups. Mutual savings banks were selected on a one for one basis. These reporters, however were merged with the National Association of Mutual Savings Banks sample which will be discussed later.

The actual firms chosen were selected at random and responses
were excellent. Usable data were obtained from 36 of 38 savings banks, 41 of 51 commercial banks, and 105 of 129 mortgage companies. Because later checks revealed that mortgage companies had been under-sampled, the blow-up factor for that group had to be adjusted from 2.0 to 2.64 .

## QUESTIONNAIRE AND CODING INSTRUCTIONS

The Mortgage Bankers Association of America conducted a survey of the characteristics of delinquent mortgage loans, using data as of June 30, 1963. Table A3 lists the categories as they appeared on the questionnaire. Table A4 shows the format used in putting the data on punch cards.

## National Association of Mutual Savings Banks Data

## PARTICIPATING INSTITUTIONS

The savings banks included in the NAMSB survey were selected basically on a random basis. The original list was then modified in order to integrate it with that of the MBA so that the combined list would reflect more accurately the distribution of savings banks with respect to (1) geographical location (2) size (3) mortgage portfolio composition (FHA, VA, and conventional loans) and (4) the proportion of delinquent loans to total loans.

Each institution in the NAMSB survey was sent instruction sheet (1), (2), or (3), depending on the within-institution sampling rate requested. This provided for a $1-2,1-3$, or a 1-7 loan sample of delinquent loans. In each case the banks were asked to select a number of current loans equal to the number of delinquents reported on. The purpose of using different sampling ratios was to minimize the reporting burdens on the banks. Those having a larger number of delinquents selected a smaller proportion.

Altogether data were secured on about 1250 delinquent loans and an equal number of currents. This represents about 10 per cent of the total population of delinquents as of the survey date. In all, 73 banks participated in the survey (combined MBA and NAMSB).

## INSTRUCTION SHEET: CHARACTERISTICS OF DELINQUENT MORTGAGE LOANS

Types of Loans Included. Report only on current and delinquent loans in the 1 - to 4 -family property classification or the most closely corresponding property classification used by your institution.

Include only loans on property located in your own state.
TABLE A 3

| Your Loan Number | Interest Rate |
| :--- | :---: |
| Type of Loan (check one) | Contract rate |
| FHA | Estimated yield to investor |
| VA | Original Monthly Payment (including escrows) |
| Conventional | Location (check one) |
| Status of Loan (check one) | Spot |
| Delinquent 90 days or more | Tract |
| In foreclosure | Property |
| Currency | County location |
| Service for: | Age (yrs. or new) |
| Life insurance company | Borrower-When Loan Was Closed |
| Savings bank | Monthly Income |
| Commercial bank | Primary |
| $\quad$ (code trust department 4) | Secondary |
| Trusteed funds | Total |
| FNMA | Liquid Assets (excluding downpayment) |
| Savings \& loan association | Occupation |
| Own account | Professional or Technical |
| Individuals \& others | Proprietors or Managers |
| Description of Original Loan | Clerical |
| Date loan was closed | Sales |
| Original selling price | Craftsmen \& Foremen |
| Original loan amount | Skilled Labor, manufacturing |
| Term (mos.) | Skilled Labor, non-manufacturing |


| Services | Over-obligated, same income |
| :--- | :--- |
| Laborer | Reduction in secondary income |
| Number of Dependents (Including wife) | Cost of home ownership increased |
| Age of Family Head | Increases in other living costs |
| Monthly Payments (including escrows) | Property unsatisfactory |
| Principal Balance (4-30-63) | Increase in dependents |
| Est. Current Value of Property | Entered military service |
| Marital Status (check one) | Unable to sell or rent |
| Married | Improper regard for obligations |
| Single | Property abandoned |
| Current Value-to-Selling-Price ratio | Describe Nature and Term of Forbearance, if any (if |
| Number of Prior Delinquencies That Were Cured | necessary, explain on separate sheet and identify |
| History of Loan | by loan number) |
| Apply to Current Delinquent Problem Only | Date Placed in Foreclosure |
| Date of |  |
| First Unpaid Installment |  |
| First Contact |  |
| Number of Contacts |  |
| Letter |  |
| Phone |  |
| Personal |  |
| Reason For Delinquency |  |
| Death or illness in family |  |
| Family or marital problems |  |

$\begin{array}{llll}\text { a The questionnaire used by the National Associa- } & \text { was dropped; (2) The question regarding the nature } \\ \text { tion of Mutual Savings Banks, dated December 31, } & \text { and term of forebearance was dropped; and (3) Two } \\ 1963 \text {, is almost identical to this questionnaire. It } & \begin{array}{l}\text { additional employment categories were added - } \\ \text { differs in only three respects: (1) The question re- } \\ \text { military and retired. }\end{array} \\ \text { garding the institution for which the loan was serviced }\end{array}$
TABLE A 4
Punch Card Format, Characteristics of Delinquent Mortgage Loans ${ }^{\text {a }}$
Respondent Identification
Region
State
City
Type of business
Loan number
Loan Identification
Page
Line
$\infty$ Type of Loan
FHA, 203
FHA, 221
FHA, other
VA
Conventional
Combination
Not reported
Status of Loan
$90-$ day delinquent
In foreclosure
Current
Not reported
Serviced for:
Codes on form RD-3


$$
\begin{aligned}
& 4.00 \text { per cent or less } \\
& 4.25 \text { per cent } \\
& 4.50 \text { per cent } \\
& 4.75 \text { per cent } \\
& 5.00 \text { per cent } \\
& 5.25 \text { per cent } \\
& 5.50 \text { per cent } \\
& 5.75 \text { per cent } \\
& 6.00 \text { per cent } \\
& 6.25 \text { per cent } \\
& 6.50 \text { per cent } \\
& 7.00 \text { per cent } \\
& \text { More than } 7.00 \text { per cent } \\
& \text { Not reported } \\
& \text { Yield to Investor (same as contract interest } \\
& \text { rate; round to nearest } .25 \text { per cent) } \\
& \text { Original Monthly Payment (include escrow) } \\
& \text { Current Monthly Payment (include escrow) } \\
& \text { Less than } \$ 70 \\
& \$ 70-80 \\
& \$ 80-90 \\
& \$ 90-100 \\
& \$ 100-110 \\
& \$ 110-120
\end{aligned}
$$

| $\$ 120-140$ | Not reported |
| :--- | :--- |
| $\$ 140-150$ | (compute ratio of monthly income to |
| $\$ 150$ and above | monthly payment and code) |
| Type of Transaction | Less than 5 per cent |
| Spot | $5-10$ per cent |
| Tract | $10-15$ per cent |
| Not reported | $15-20$ per cent |
| County (alphabetical within alphabetical | $20-25$ per cent |
| listing of states, see Rand McNally) | $25-30$ per cent |
| Age | $30-35$ per cent |
| New | 35 per cent or more |
| Less than 1 year | Not reported |
| $1-2$ years | Liquid Assets, Original |
| $2-5$ years | Liquid Assets, Current |
| $5-10$ years | (compute ratio of liquid asset to monthly payment) |
| 10 years and older | Less than 1 (or modest) (or small) |
| Existing | $1-2$ |
| Not reported | $2-3$ |
| Monthly Income | $3-4$ |
| Primary, original | $4-5$ |
| Primary, current | $5-10$ |
| Total, original | 10 or more |
| Total, current | Not reported |



| April 1963 | Not reported |
| :--- | :---: |
| March 1963 | Reason for Delinquency of Forbearance (code |
| February 1963 | on RD-3 form) |
| July 1962 through January 1963 | Not reported |
| $12-18$ months | Forbearance, Type or Nature of: |
| 18 months or more | Satisfied or about to be; removed from |
| Not reported | foreclosure |
| Date of First Contact With Borrower (compute | Pending sale |
| period from date of first default) | Pending recovery from illness, imminent |
| Less than 1 week | death, death |
| $1-2$ weeks | Pending receipt of other sources of income |
| $2-3$ weeks | Practiced forbearance, type undefined |
| $3-4$ weeks | Impossible to forbear |
| $4-8$ weeks | Repayment program |
| $8-12$ weeks | None |
| 12 weeks or more | Not reported |
| Not reported | Foreclosures $(c o m p u t e ~ m o n t h s ~ i n ~ f o r e c l o s u r e ~ s t a t u s) ~$ |
| Number of Contacts Made By Letter | Not in foreclosure |
| Number of Contacts Made By Phone | June 1963 |
| Number of Personal Contacts | May 1963 |
| Constant | April 1963 |
| Several | March 1963 |
| Numerous | February 1963 |
| Many | January 1963 |

[^0]Delinquent Loans. A sample of the delinquent loans reported by the bank as of December 31, 1963, in the NAMSB Quarterly Mortgage Delinquency Survey. This includes loans which are three or more payments overdue on a monthly program or one or more payments overdue on a quarterly program. Includes also all loans in the process of foreclosure as of December 31, 1963.

Current Loans. A sample of current loans held on December 31, 1963 equal to the number of delinquent loans, selected according to the procedures outlined below.

## Selecting Samples of Current and Delinquent Loans

Note: To reduce the reporting burden, the following procedures were designed to select a sample of loans. To assure reliability, it is important that this procedure be followed without deviation.

1. On a separate worksheet, simply list the number and type of each 1 - to 4 -family loan that was reported as delinquent in the Mortgage Delinquency Survey on December 31, 1963 (FHA, VA, and conventional).
2. On this worksheet, place a check beside the first, fourth, and seventh loan, continuing to the end of the list, checking every third loan. ${ }^{1}$
3. Alongside each loan checked on the worksheet, enter the next consecutive number of a loan that is current and of the same type (see example below, as to breakdown by type of loan) as the delinquent loan or loan in foreclosure.

| Loans Delinquent 90 Days or More or in Foreclosure |  | Current Loans |  |
| :---: | :---: | :---: | :---: |
| Loan Number | Type of Loan | Loan Number | Type of Loan |
| 8,543- | FHA, 203b | 8,544 | FHA, 203b |
| 10,782 | VA |  |  |
| 9,543 | Conventional |  |  |
| 12,492- | VA | 12,495 ${ }^{2}$ | VA |
| 6,781 | FHA, 203i |  |  |
| 392 | FHA, 203b |  |  |
| 4,001 | FHA, 203b | 4,002 | FHA, 203b |

[^1]4. Post the loan numbers of the delinquent loans and the loans in foreclosure that were checked, as well as all current loans listed to the first column of the reporting form provided.

## Selected Definitions

1. Type of Loan. Consider a combination FHA-VA loan as one loan and report as FHA.
2. Borrower-When Present Delinquency Developed. Regardless of legal arrangement and liability under the mortgage contract, if a new borrower has, in effect, assumed responsibility for the mortgage prior to present delinquency, check "new" and supply as much of the indicated information as is available in your collection department.
3. Primary and Secondary Income. Primary income is the total income of the head of the household as shown in your records. Secondary income is total income of other members of the household.
4. Liquid Assets. Generally speaking, total amount of liquid assets (such as bank deposits, savings and loan share accounts, U.S. Savings Bonds) held by borrower, as shown in your records.
5. County Location of Property. For areas where primary political subdivision is not a county, then enter designation of the equivalent political subdivision, such as a township.

## Notes

1. Please answer all questions from current records. Do not seek additional information beyond that already in your files.
2. Answer each question; if data are not available, enter N.A.
3. Enter all information directly on the questionnaire and separate worksheet used to select sample of loans. Information may be written by hand.

Kindly send one copy of the completed forms and the worksheet list prepared to select the loans by Friday, February 21, 1964, if possible to: Research Department; National Association of Mutual Savings Banks; 200 Park Avenue, New York, N.Y. 10017.


[^0]:    aCoded for a survey conducted by Mortgage Bankers Association of America, June. 30, 1963

[^1]:    ${ }^{1}$ The other two worksheets differ only in the sampling techniques (one asks that every other delinquent loan be checked; the other calls for every seventh delinquent loan).
    ${ }^{2}$ Intervening loans 12,493 and 12,494 are not VA.

