

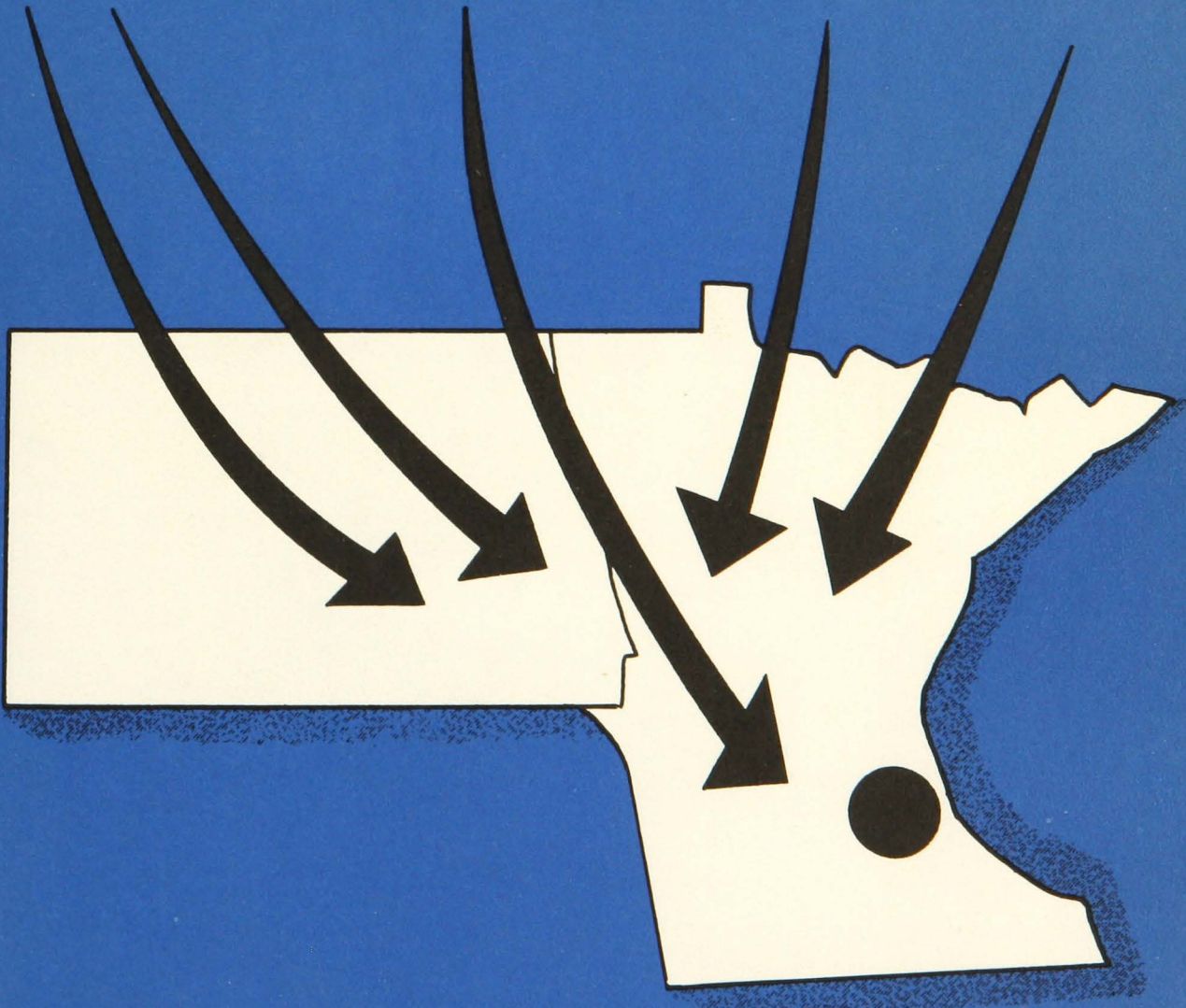
THE FLOW OF FUNDS

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THROUGH THE COMMERCIAL BANKING SYSTEM, MINNESOTA—NORTH DAKOTA



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THE FLOW OF FUNDS

THROUGH THE COMMERCIAL BANKING SYSTEM, MINNESOTA—NORTH DAKOTA

Mathew D. Shane^o

PREFACE

This publication is based on an analysis and presentation of primary county income and call report data (which is a balance sheet statement of assets and liabilities) provided to the author by the Federal Reserve Bank of Minneapolis. This is the first time such data are published in this form.

The author acknowledges the help and support of Wilbur R. Maki, professor, and Oscar M. Lund, research fellow, as well as the programing assistance of John Edmundson, all of the Department of Agricultural and Applied Economics, University of Minnesota. Of course, without the data provided by the Federal Reserve Bank of Minneapolis, this report would have been impossible. Thanks also to Ronald Fraase, assistant professor, Department of Agricultural Economics, North Dakota State University, for carefully reading and commenting on the first draft. If errors remain, they are the author's.

Some of these reports do not include the appendix tables. See first footnote, next column, this page.

Introduction

Financial markets, by providing an intermediary between savers and investors, play a fundamental role in the economic development process. In rural areas of Minnesota and North Dakota, commercial banks are the single most important financial institution, providing somewhat more than 35 percent of the total credit needs of the agricultural community.¹ In addition, the correspondent banking system provides one mechanism for transferring funds between regions and sectors.

This publication presents evidence and analysis on the importance of commercial banks as a financial intermediary in mobilizing funds and as a transfer agent of funds between sections of Minnesota and North Dakota. The following two measures of commercial banking activity are utilized to determine how well banks have fulfilled these roles in the 1960's.

First, deposit data and loan-to-deposit ratios are presented as a measure of bank performances in the two-state area.²

Second, net correspondent balances and the correspondent balance ratio are used as prime measures of interbank flow of funds.³

The prime source of information for measuring banking activity and characteristics in Minnesota and North Dakota is a summary of the call and income reports provided the author for this study on a county basis by the Federal Reserve Bank of Minneapolis.

Tables summarizing these reports for all counties in the Souris-Red-Rainy region for 1960 to 1969 are included in the appendices following this discussion.^o

The data presented in the text of this publication is divided into the following categories: the Souris-Red-Rainy Region, Minnesota and North Dakota, and the Twin Cities area of Minneapolis-St. Paul.

Trends in Deposit Growth

Table 1 summarizes several evident deposit trends for the two-state region during the 1960's.

Total deposits in both Minnesota and North Dakota doubled between 1960 and 1969; North Dakota's increase was slightly higher than Minnesota's. Growth in total deposits was higher in the second half than in the first half of the study period (table 1, columns 2 and 4) for both states with an absolute reduction in deposits between 1968 and 1969 in Minnesota. Table 1 shows that Minnesota depositors maintained a higher percentage of their deposits as time deposits than did North Dakota depositors.

Of total deposits for Minnesota, approximately half are located in Twin Cities area (Minneapolis-St. Paul banks, tables 1 and 2). In the first half of the 1960's, total deposits in Twin Cities banks increased at a slightly higher rate than in statewide Minnesota, while a \$428 million reduction in deposits between 1968 and 1969 in Twin Cities banks implied a relatively lower percentage increase in the second half of the decade.

Total deposits in the Souris, Red, and Rainy basins (figure 1) are also listed in table 2. The percentage increase of de-

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¹ See Melichar and Doll, "Capital and Credit Requirement of Agriculture and Proposal to Increase Availability of Bank Credit," *Fundamental Reappraisal of the Discount Mechanism*, Project 24, Federal Reserve Board, November 1969.

² Loan-to-deposit ratios are total loans divided by total deposits multiplied by 100.

^o If the appendices are not with the copy of this publication you received and you wish to have them, write to 466 Coffey Hall, University of Minnesota, St. Paul, Minnesota 55101.

³ Net correspondent balances is simply net interbank balances or the difference between what a bank has deposited in other banks minus what other banks have on deposit. The correspondent balance ratio is just a ratio of these on a percentage basis.

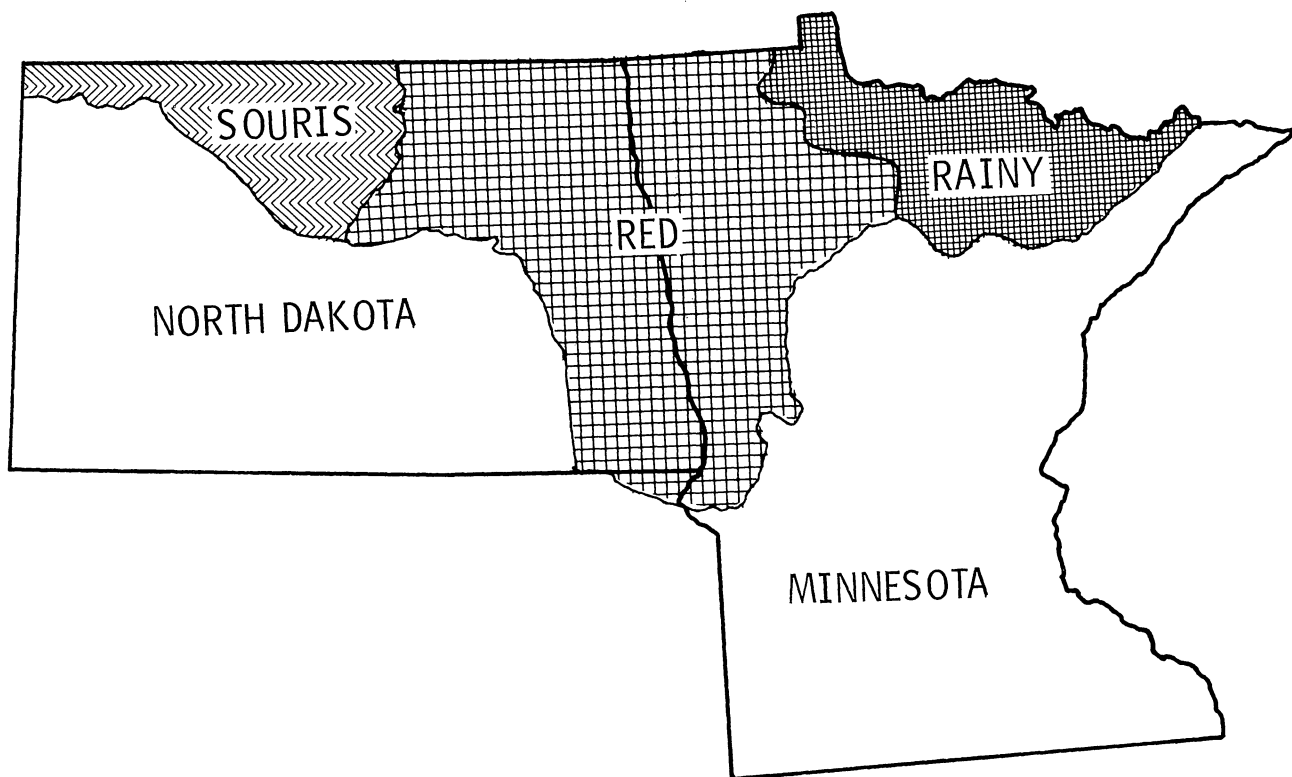


Figure 1. Minnesota, North Dakota, and the Souris-Red-Rainy Basin

Table 1. Total deposits and time deposits as a percent of total deposits for Minnesota and North Dakota, 1960-1969

Year	Minnesota		North Dakota	
	Total deposits (mil \$)	Time Deposits* (%)	Total deposits (mil \$)	Time deposits* (%)
1960	4,177.0	49.061	649.6	36.056
1961	4,495.1	47.475	671.8	36.414
1962	4,814.8	51.563	766.1	38.331
1963	5,042.7	52.962	819.8	42.090
1964	5,610.8	54.475	878.0	45.388
1964—1960	34.326†	5.414‡	35.160†	9.332‡
1965	6,045.0	55.915	947.8	46.561
1966	6,462.9	58.457	1,018.6	49.638
1967	7,350.3	60.380	1,121.6	52.394
1968	8,542.7	60.616	1,254.9	54.307
1969	8,320.2	61.834	1,326.4	56.173
1969—1965	48.289†	7.359‡	51.070†	10.788‡
1969—1960	99.190†	12.773‡	104.187†	20.117‡

* Average percent by county.

† Percentage change between the years indicated.

‡ Difference between percentages indicated for these years.

posits in the Souris and Red basin commercial banks exceeded that of Twin Cities banks while the Rainy Basin subregion increase was less rapid. Total deposits of Rainy Basin banks increased 80.5 percent, while those in the Souris and Red regions increased 109 and 100 percent, respectively (table 2).

The percent of total deposits maintained as time deposits also varies among the subregions (table 3). In 1960 and 1961 both the Twin Cities banks and banks in the Souris basin maintained only about 25 percent of their deposits as time deposits. Deposits in Red and Rainy regions were divided nearly equally between time and other deposits: 42.5 and 53.5 percent, respectively. By the end of the study period, the dispersion was reduced considerably, especially among the Souris, Red, and Rainy subregions. The Twin Cities banks increased the proportion of time deposits by 13

percent from 1960 to 1964, while the increase from 1965 to 1969 was only 1.7 percent (table 3).

The lower proportion of time deposits in Twin Cities banks suggests that the competition among institutions for savings or time deposits is greater there than in the largely rural areas of the Souris, Red, and Rainy subregions. In these rural areas commercial banks can be the only available institution where savings may be deposited.⁴ Urban centers, however, have various other savings and loan institutions and security markets which compete for savings dollars.

⁴ Of a total of \$4.5 billion deposits held in savings and loan associations in the Ninth Federal Reserve District as of December 31, 1969, more than half are held in Twin Cities offices with only \$1 billion held in nonmetropolitan Minnesota.

Table 2. Total deposits for the Twin Cities and the Souris-Red-Rainy Subbasins, 1960-1969 (millions of dollars)

Year	Twin Cities	Souris	Red	Rainy
1960	2,123.7	88.6	534.7	127.5
1961	2,319.8	90.5	554.7	130.7
1962	2,490.8	110.3	608.1	137.2
1963	2,568.4	115.9	653.8	142.1
1964	2,887.5	119.3	717.1	153.8
% 1964-1960* ...	35.965	34.650	34.112	20.627
1965	3,077.9	131.5	780.4	167.3
1966	3,263.3	142.1	824.3	182.6
1967	3,767.9	156.2	905.0	198.1
1968	4,492.8	175.3	1,008.4	217.5
1969	4,064.9	185.3	1,069.7	230.2
% 1969-1965* ...	40.775	55.332	49.170	49.674
% 1969-1960* ...	91.406	109.142	100.056	80.549

* Percentage change between years indicated.

Table 3. Time deposits as a percent of total deposits for the Twin Cities and the Souris-Red-Rainy Regions, 1960-1969 (percent)

Year	Twin Cities	Souris	Red	Rainy
1960	23.611	26.932	42.488	53.572
1961	24.965	27.828	41.702	52.420
1962	33.274	27.287	45.359	56.029
1963	36.664	31.360	48.029	58.704
1964	36.374	35.302	49.648	57.160
1964-1960*	12.763	8.370	7.160	3.588
1965	39.203	37.786	50.884	56.943
1966	41.355	41.441	54.085	59.994
1967	43.217	46.147	55.428	62.800
1968	41.885	48.210	57.138	64.196
1969	38.101	50.935	58.891	62.770
1969-1965*	1.727	15.633	9.243	5.610
1969-1960*	14.490	24.003	16.403	9.198

* Change between years indicated.

Loan-to-Deposit Ratios

Table 4 presents the average December loan-to-deposit ratios for Minnesota and North Dakota commercial banks computed by county for the 1960's. Several conclusions can be drawn from this table: (1) the average Minnesota loan-to-deposit ratio is higher than the North Dakota ratio; (2) the North Dakota ratio is increasing faster than the Minnesota ratio, especially in the first half of the period, and is converging towards the Minnesota figure; and (3) the North Dakota standard deviation (although higher than for Minnesota) appears to be converging towards the Minnesota figure especially in the second half of the period.

These conclusions can be interpreted as follows: the alternative to making loans is buying bonds. A low loan-to-deposit ratio, particularly for a rural bank, implies an outflow of funds from the local community of greater magnitude than a higher ratio (since a loan is generally made to a member of the local community while the bond purchase is unrelated to the local community). However, the very sizable increase in the North Dakota ratio as compared with the Minnesota ratio (an increase of 15.5 percent compared with 7.7 percent, table 4) indicates a significant reduction in this outflow. In addition, the relative constancy of the dispersion of the loan-to-deposit ratio for the Minnesota banks indicates very little change in the structure of Minnesota banking while the relatively large reduction, from approximately 9.5 percent to 6.5 percent, in the standard deviation for North Dakota is consistent with the existence of a more dynamic and competitive banking system.

Throughout this period other factors, such as bank merger movement, may also have contributed to increased uniformity. However, since the number of banks in North Dakota increased from 153 to 166 during the study period, together with the fact that limited branch banking was legalized during the 1960's, it seems more likely that the reduction in the standard deviation was caused primarily by an increase in the competitive environment of North Dakota banking. This would also be consistent with the increase in the loan-to-deposit ratio noted.

Loan-to-deposit ratios in the Twin Cities and the Souris, Red, and Rainy subregions show significantly different pat-

terns (table 5). The loan-to-deposit ratios in the Twin Cities are among the highest for any region in the state. The ratios for the Souris subregion are substantially below the corresponding Twin Cities values but demonstrate some convergent tendencies. The ratios for the Red and Rainy regions also increase substantially, nearly 12 percent and 10 percent, respectively. However, these ratios do not increase as much as either the Twin Cities or the Souris subregion. Therefore, although the range between the subregions was 10 percent in 1960, this difference was reduced to 4 percent by 1969. The increase of almost 15 percent for the Twin Cities resulted from the unusually tight money conditions of 1969. Of the total 15 percent increase in the 1960's, 9 percent occurred between 1968 and 1969. The decline in deposits without a corresponding decrease in loan commitments contributed to the sharp rise in loan-to-deposit ratios.

Correspondent Balances

Table 6 presents the correspondent balances for Minnesota and North Dakota commercial banks during the 1960's. The trends and relative balances for Minnesota are exactly opposite to that of North Dakota. While Minnesota increased its net balances by almost \$40 million, North Dakota increased its balances in other states by \$16.5 million (table 6).

The correspondent balance ratio derived by county for Minnesota declined from 18 to 16.5 percent from 1960 to 1969 (table 7). Although Minnesota is an importer of funds, Minnesota counties on an average hold more than five times as many balances with other banks as other banks hold with them. The large standard deviation implies that the imported funds are held in a very few counties. This also accounts for the fact that the average of the county ratios is different from the ratio that could be calculated from the state totals (table 6).

The correspondent balance ratio of North Dakota banks is quite low although it rises by 3.4 percent over the period—from 7.8 percent to 11.2 percent (table 7). There is also a decline in the standard deviation for North Dakota banks, which is only one-third to one-half the size of that of Minnesota.

Table 4. Average and standard deviation of loan-to-deposit ratios for Minnesota and North Dakota commercial banks by county, 1960-1969 (percent)

Year	Minnesota		North Dakota	
	Average	Standard deviation	Average	Standard deviation
1960	47.080	6.878	37.224	9.442
1961	45.061	6.291	38.074	9.075
1962	46.935	6.455	36.669	8.685
1963	48.135	6.830	40.507	9.019
1964	47.488	6.352	44.764	9.268
1964—1960*	.408	— .526	7.540	— .174
1965	48.764	6.585	45.847	9.095
1966	51.748	6.387	48.522	8.173
1967	52.060	5.428	49.936	6.844
1968	50.968	5.728	49.670	7.029
1969	54.836	6.103	52.754	6.471
1969—1965*	6.072	— .482	6.907	— 2.624
1969—1960*	7.756	— .775	15.530	— 2.971

* Change between years indicated.

Table 5. Loan-to-deposit ratios of commercial banks in the Twin Cities and the Souris-Red-Rainy Regions, 1960-1969 (percent)*

Year	Twin Cities†	Souris	Red	Rainy
1960	53.329	31.554	41.582	39.684
1961	50.543	31.542	41.162	38.025
1962	53.254	29.832	41.027	38.019
1963	57.280	33.527	42.855	38.480
1964	54.788	41.381	44.014	38.210
1964—1960‡	1.459	9.827	2.432	-1.438
1965	59.841	41.843	45.783	39.983
1966	60.718	42.711	49.489	45.394
1967	60.451	46.274	50.582	46.735
1968	59.135	46.197	49.810	46.945
1969	68.283	49.653	53.375	50.032
1969—1965‡	8.442	7.810	7.592	10.049
1969—1960‡	14.954	18.099	11.793	10.348

* Ratios derived from bank averages.

† Includes all banks in Ramsey and Hennepin counties.

‡ Change in loan-to-deposit ratios between the years indicated.

Table 6. Correspondent balances of Minnesota and North Dakota commercial banks, 1960-1969 (millions of dollars)

Year	Deposits from other banks		Deposits with other banks		Net balance		Net balance total deposits	
	Minnesota	North Dakota	Minnesota	North Dakota	Minnesota	North Dakota	Minnesota	North Dakota
1960	396.237	10.653	278.878	47.841	117.359	-37.188	2.81	-5.72
1961	412.617	12.215	297.347	54.002	116.270	-41.787	2.59	-6.22
1962	359.494	12.069	254.452	49.501	105.042	-37.432	2.18	-4.89
1963	385.948	13.461	240.422	48.126	145.526	-34.665	2.89	-4.23
1964	421.587	13.845	324.288	53.944	97.299	-40.099	1.73	-4.57
1964—1960*	25.350	3.192	45.410	6.103	-20.060	-2.911	-1.08	+1.15
1965	432.763	15.980	327.276	55.437	105.487	-39.457	1.75	-4.16
1966	448.868	14.541	244.86	61.809	104.582	-47.268	1.62	-4.64
1967	429.658	14.988	349.326	67.234	80.332	-52.246	1.09	-4.66
1968	604.858	16.024	450.539	75.226	154.319	-59.202	1.81	-4.72
1969	549.747	15.251	392.605	68.984	157.142	-53.733	1.89	-4.05
1969—1965*	116.984	-7.29	65.329	13.547	51.655	-14.276	+ .14	+ .11
1969—1960*	153.510	4.598	113.727	21.143	39.783	-16.545	-1.06	+1.67

* Change in dollar amounts between the years indicated.

Table 7. Correspondent balance ratio, average Minnesota and North Dakota counties, 1960-1969 (percent)*

Year	Minnesota		North Dakota	
1960	18.055	(62.573)	7.841	(16.823)
1961	17.355	(57.310)	10.383	(22.268)
1962	20.841	(68.493)	11.021	(23.862)
1963	22.762	(77.472)	11.791	(25.400)
1964	16.883	(53.185)	10.589	(20.916)
1964—1960†	-1.172	(-9.388)	2.748	(4.093)
1965	18.078	(54.706)	12.256	(23.544)
1966	17.093	(49.386)	9.654	(16.831)
1967	16.080	(45.536)	8.939	(14.631)
1968	15.620	(47.314)	10.137	(13.391)
1969	16.488	(53.561)	11.214	(12.334)
1969—1965†	-1.590	(-1.145)	-1.042	(-11.210)
1969—1960†	-1.567	(-9.012)	3.373	(-4.489)

* The numbers in parentheses are standard deviations derived by county.

† Change between the years indicated.

Table 8. Correspondent balances of Twin Cities banks, 1960-1969 (millions of dollars)

Year	(1) Deposits from other banks	(2) Deposits with other banks	(1)-(2) Net balances	Net balances Total deposits	(1) ÷ (2) Corre- spondent balance ratio*
1960	353.653	90.355	263.298	12.40	367.553
1961	370.681	102.583	268.098	11.56	340.172
1962	319.824	76.196	243.628	9.78	399.764
1963	347.225	71.524	275.701	10.73	461.298
1964	380.370	114.218	266.152	9.22	317.519
1964-1960†	26.717	23.863	2.854	-3.18	-50.034
1965	390.334	113.225	277.109	9.72	328.788
1966	406.081	131.187	274.894	8.42	306.520
1967	387.620	137.392	250.228	6.64	281.207
1968	558.440	196.652	361.788	8.05	296.082
1969	508.504	150.636	357.868	8.80	337.620
1969-1965†	118.170	37.411	80.759	-92	8.832
1969-1960†	154.851	60.281	94.570	-3.60	-29.933

* The correspondent balance ratio is derived here as the weighted average of the ratios of Hennepin and Ramsey counties in percent for the years stated.

† Changes between the years indicated.

Table 8 lists the annual correspondent balances of the Twin Cities banks. This table together with tables 6 and 7 can be used to indicate capital flows in this region. Although Minnesota had net correspondent balances of \$157 million in 1969 (table 6), the Twin Cities alone had \$358 million (table 8). This explains why the correspondent balance ratio for Minnesota counties indicated they were net exporters on average. The flow of funds moves to the Twin Cities banks. This large difference in net correspondent balance is an indication that the most likely recipient of the \$53.7 million (table 6) North Dakota correspondent balances are the Twin Cities banks.

These net correspondent balances of \$358 million are almost 9 percent of the total deposits of Twin Cities banks (table 8). Further, of the entire two-state area, only the Twin Cities counties were net importers of funds. In addition, over the period of the 1960's, there was an increase in these net balances of almost \$95 million.

Tables 9, 10, and 11 show that the Souris, the Red, and the Rainy subregions are net exporters of funds. The net total correspondent balances for the three subregions changed from minus \$53 million ($-6.0 - 36.2 - 11.1 = -53.3$ from tables 9, 10, and 11) in 1960 to minus \$61 million ($-6.9 - 45.0 - 9.2 = -61.1$ from tables 9, 10, and 11) in 1969. This indicates an increase of nearly \$8 million in the outflow of funds from the region. Most of the outflow comes from the Red subregion (table 10). The net outflow from the Souris subregion was only \$800,000, while the Rainy subregion had a net inflow of almost \$2 million. In addition, the Souris and Rainy correspondent balances ratios showed a substantial increase, while the Red ratio showed little change. However, when the net correspondent balances are compared to total deposits, there has been a tendency for these deposits to become less significant relatively over time.

Considering the magnitudes of the funds transfers taking place through the correspondent banking mechanism in the two-state region, it becomes clear how bank behavior can influence economic development. Over the period approximately 10 percent of the total balances of Twin Cities banks have been balances of other banks. These additional balances have been available for loans by Twin Cities banks and at the same time have not been available for loans by the deficit areas. Since the Twin Cities banks have maintained a 15 to 20 percent higher loan-to-deposit ratio than the banks of the Souris-Red-Rainy region, a substantial amount of the investment projects in the Twin Cities area, perhaps \$200 million worth, were financed by rural areas of Minnesota and North Dakota as well as adjoining states.

Although the study does not have an estimate of the loan-investment multiplier of the Twin Cities area,⁵ the probable result is an income which is \$400-\$600 million higher than it would otherwise be. That would represent a substantial number of jobs as well as construction, and tax revenues directly traceable to the movement of correspondent balances.

The flow of funds to the Twin Cities area may be partially in response to the relative investment opportunities which exist there. However, the data presented in table 12 indicates that the flow of funds to the large city banks through inter-bank deposits is not in response to a higher rate of return. The interest rate differentials alone should induce funds to flow to the more rural areas of North Dakota and Minnesota.

⁵ The loan-investment multiplier is analogous to a simple investment multiplier where one is concerned with the effects on income of increasing investments. Since these additional loans are available for consumption and investment in the Twin Cities, this would have a multiple effect on Twin Cities income. The author assumed this multiplier to be between two and three.

Table 9. Correspondent balances of Souris subregion, 1960-1969 (millions of dollars)

Year	(1) Deposits from other banks	(2) Deposits with other banks	(1) - (2) Net balances	Net balances Total deposits	(1) ÷ (2) Corre- spondent balance ratio*
1960	.637	6.708	-6.071	-6.85	4.672
1961	1.061	8.312	-7.251	-8.01	5.926
1962	1.134	7.780	-6.646	-6.03	6.977
1963	1.053	7.200	-6.147	-5.30	7.763
1964	1.051	6.578	-5.527	-4.63	11.114
1964-1960†	.414	-.130	.544	2.22	6.442
1965	1.483	8.584	-7.101	-5.40	9.725
1966	1.076	8.172	-7.096	-4.99	7.733
1967	1.365	8.618	-7.253	-4.64	10.762
1968	1.773	8.951	-7.178	-4.09	15.017
1969	1.538	8.422	-6.884	-3.72	15.653
1969-1965†	.055	-.162	.217	1.68	5.928
1969-1960†	.905	1.714	-.813	3.13	10.981

* Average by bank rather than gross ratio.

† Change between the years indicated.

Table 10. Correspondent balances of Red subregion, 1960-1969 (millions of dollars)

Year	(1) Deposits from other banks	(2) Deposits with other banks	(1) - (2) Net balances	Net balances Total deposits	(1) ÷ (2) Corre- spondent balance ratio
1960	9.232	45.440	-36.208	-6.77	11.023
1961	9.518	47.348	-37.830	-6.82	12.297
1962	8.176	46.517	-38.341	-6.31	10.564
1963	10.436	40.749	-30.313	-4.64	17.106
1964	11.548	53.038	-41.490	-5.79	13.960
1964-1960*	2.316	7.598	-5.282	.98	2.937
1965	14.211	54.640	-40.429	-5.18	16.731
1966	12.175	52.660	-40.485	-4.91	14.737
1967	12.200	57.236	-45.036	-4.98	13.141
1968	12.762	69.280	-56.518	-5.60	12.280
1969	11.178	56.171	-44.993	-4.21	11.567
1969-1965*	-3.033	1.531	-4.564	.97	5.164
1969-1960*	1.946	10.731	-8.785	2.56	-.544

* Change between the years indicated.

Table 11. Correspondence balances of the Rainy subregion, 1960-1969 (millions of dollars)

Year	(1) Deposits from other banks	(2) Deposits with other banks	(1) - (2) Net balances	Net balances Total deposits	(1) ÷ (2) Corre- spondent balance ratio
1960	.424	11.604	-11.180	-8.77	4.082
1961	.324	11.199	-10.875	-8.32	3.402
1962	.308	11.613	-11.305	-8.24	2.295
1963	.249	9.419	-9.170	-6.45	4.434
1964	.518	12.152	-11.634	-7.56	4.620
1964-1960*	.094	.548	-.454	1.21	.538
1965	.443	11.080	-10.637	-6.36	5.351
1966	.738	11.016	-10.278	-5.63	7.147
1967	.610	10.924	-10.314	-5.21	5.591
1968	.503	12.004	-11.501	-5.29	5.205
1969	.582	9.773	-9.191	-3.99	6.396
1969-1965*	.139	-1.307	1.446	2.31	1.045
1969-1960*	.158	-1.831	1.989	4.78	2.314

* Change between the years indicated.

Interest Rates

Tables 12 and 13 present the loan rate and time deposit rate from 1960 through 1969 for banks in the Twin Cities and the Souris, Red, and Rainy basins. With the exception of 1969, the loan rates for both the Red and the Rainy basins exceed that of the Twin Cities banks. The loan rate in the Souris Basin exceeds the Twin Cities rate through 1966, but falls below it afterwards. If the loan rate is an indication of investment desirability, the flow of funds should be toward these more rural areas.⁶

⁶ The interest differentials are relatively small and might be accounted for by the differences in loan composition and risk premium. In a forthcoming publication, *Elements of Banking Performance, Ninth Federal Reserve District*, this author shows there is some association between loan-to-deposit ratios, interest rates, and high risk agricultural areas.

The interest rate differentials on time deposits are not as significant as those indicated for loans. For the first half of the decade, the Twin Cities rate is not significantly different from that paid in the Souris and Red basins (table 13). Banks in the Rainy Basin paid a somewhat lower rate. However, in the second half of the decade, the Twin Cities rate exceeds that of the Souris-Red-Rainy region. Regardless of this differential, the Twin Cities banks experienced a decline in time deposits between 1968 and 1969 as discussed earlier, while a gain was noted in other regions.⁷

⁷ The reduction of time deposits by Twin Cities banks is probably explained by the very competitive efforts of other savings institutions, such as savings and loan associations, and by ready access to the national money markets. In 1969, all savings institutions were at a competitive disadvantage compared with the national bond markets because of regulations on interest paid. By the middle of 1969 the corporate bond yield went well above 8 percent while time deposits and savings institutions were restricted to 5 and 5½ percent on most accounts.

Table 12. Loan interest rate for the Twin Cities and the Souris-Red-Rainy subregions, 1960-1969 (percent)

Year	Twin Cities	Souris	Red	Rainy
1960	5.851	6.964	6.468	6.418
1961	5.648	7.508	7.102	6.526
1962	5.433	6.339	6.537	6.631
1963	5.372	7.189	6.984	6.514
1964	5.416	6.116	6.780	6.555
1964-1960*	-.435	-.848	.312	.137
1965	5.354	6.366	6.677	6.216
1966	6.078	6.354	6.583	5.705
1967	5.952	5.718	6.452	6.587
1968	6.168	6.115	6.810	6.722
1969	7.289	6.652	6.661	6.993
1969-1965*	1.935	.286	-.016	.777
1969-1960*	1.438	-.312	.193	.575

* Changes between the years indicated.

Table 13. Time deposit rates for the Twin Cities and the Souris-Red-Rainy subregions, 1960-1969 (percent)

Year	Twin Cities	Souris	Red	Rainy
1960	2.773	2.663	2.676	2.182
1961	2.576	2.755	2.730	1.953
1962	2.653	2.615	2.553	2.363
1963	2.974	2.992	3.170	2.777
1964	3.180	3.244	3.312	2.809
1964-1960*	.407	.581	.636	.627
1965	3.247	3.335	3.394	2.963
1966	4.015	3.587	3.716	3.037
1967	4.101	3.741	3.928	3.687
1968	4.273	4.159	4.110	3.943
1969	5.053	4.494	4.436	4.387
1969-1965*	1.806	1.159	1.042	1.424
1969-1960*	2.280	1.831	1.760	2.205

* Change between the years indicated.

Conclusion

There was a substantial negative balance on the interbank account of the banks of the Souris-Red-Rainy subregions as well as an outflow of \$8 million through the correspondent bank mechanism during the 1960's. There was a definite narrowing of differential both in the loan-to-deposit ratios and correspondent balance ratios with correspondent balances becoming less significant over the period, although substantial differentials remain even at the end of the period.

The evidence presented here seems to support the hypothesis that rural area savings provide part of the capital for industrial-urban development. The sizable net correspondent balances of the Twin Cities commercial banks provide substantial capital contributing to the development of the urban area. In this way, the Minneapolis-St. Paul area specifically

appears dependent on rural North Dakota and Minnesota capital flows to help finance economic growth.

The flow of funds, as reflected in net correspondent balances between banks, cannot be explained by interest rate differentials. Funds were flowing to Twin Cities banks in spite of their lower interest rate. Time deposits responded to competition from other markets. The flow of interbank funds appears to be more a function of the correspondent banking system than economic incentives.

The low loan-to-deposit ratios observed in 1960 of the Souris subregion and North Dakota were substantially higher by the end of the period. The outflow of capital through investments of other types, which this implied, was therefore noticeably reduced. During the observed time period, deposits increased substantially. This, coupled with the higher loan-to-deposit ratios, indicates an increasing availability of loan funds in all of the substate regions.

Appendix 1: Data Sources and Derivations

I. Data Sources

The primary data presented in this study is an aggregate of the call and income reports filed by each commercial bank to the various bank regulatory agencies.⁸ The call report, which most banks file twice a year on June 30 and December 31, is a balance sheet listing assets and liabilities.⁹ The income report is filed annually on December 31 covering the entire year's operations. The December call reports were used in this study.¹⁰

This points to a potential problem in the results. Since many of the farm-related rural banks have seasonal fluctuation in their lending and deposit behavior, related to the seasonality of the farm operation, some bias acting to overstate rural interest rates and understate loan-to-deposit ratios could be present in the data.

The income and call report data were obtained from the Federal Reserve Bank on a county basis for 1960-1969 except when a county contained less than three banks. In those instances data were obtained on a two-county basis. The need for aggregates based on at least three banks is due to a confidentiality problem.

In addition to an analysis of the call and income reports, a survey which contained information relating to the degree of participation loan involvement of the banks of the two state area was mailed directly to the banks in Minnesota and North Dakota. Of the 887 banks, 285 responded to the questionnaire, approximately a one third return. The results of this survey suffer from the weaknesses of most mailed surveys. It is hard to argue that the reporting banks are in any way representative of the total population. Since it is easier for a bank with relatively few participation loans to respond, than one with a relatively large number, the results which indicated that less than one percent of total loan involved participations in 1970 systematically underestimate the importance of participations. While the study concludes that there is some reverse flow of funds through participation loans, participation loans, in the two state area, appear to be insignificant in terms of the total flow of funds through the banking system.

⁸ State member banks file with the Federal Reserve system, insured banks file with the F.D.I.C., and uninsured nonmember state banks file with the state banking regulatory agency.

⁹ The majority of banks file only these semiannual reports. However, the very largest banks file daily reports and other large banks file weekly reports.

¹⁰ To check for seasonal bias, the June 1965 call report was used. However, no significant changes occurred between the June and December 1965 results.

II. Derivations

Explicit definition and explanation of the data in the following tables will now be presented. The odd numbered tables such as A-1, A-3, list explicit call and income report items. The first ten columns labeled deposits and loans are call report items while the last three labeled interest and charges are income report items.

Column 1. Total deposits—taken from the call item of the same name. It consists of both time deposits (savings accounts) and demand deposits (checking accounts). Balance as of December 31 of given year.

Column 2. Time deposits—taken from the call item of the same name. Balance as of December 31 of given year.

Column 3. Deposits with other—taken from the call item demand balances with banks in the United States. Balance as of December 31 of given year.

Column 4. Deposits from other—taken from the call item demand deposits commercial banks in the United States.

Column 5. Total loans—taken from call item total loans and discounts, gross.

Column 6. Real estate loans—taken from call item real estate loans, total.

Column 7. Financial loans—the sum of the following four call items: (1) loans to domestic commercial and foreign banks, (2) loans to other financial institutions, (3) loans to brokers and dealers in securities, and (4) other loans for purchasing or carrying securities.

Column 8. Farm loans—taken from call item loans to farmers.

Column 9. Commercial loans—taken from call item commercial loans including open market paper.

Column 10. Individual loans—taken from call item other loans to individuals, total.

Column 11. Interest and charges on loans—taken from income report item revenue, interest, and discounts on loans. Notice this item and the next two are generated over the year given.

Column 12. Demand deposit charges—taken from income report item service charges on deposit accounts.

Column 13. Interest on time deposits—taken from income report item interest on time and savings deposits.

The even numbered tables are derived by taking ratios of items in the odd numbered tables of the same year.

Column 1. Loan to deposits— $(5) \div (1)$ of odd numbered tables.

Column 2. Time deposits— $(2) \div (1)$.

Column 3. Real estate— $(6) \div (5)$.

Column 4. Financial business— $(7) \div (5)$.

Column 5. Farmers— $(8) \div (5)$.

Column 6. Industry— $(9) \div (5)$.

Column 7. Individual— $(10) \div (5)$.

Column 8. Correspondent balance ratio— $(4) \div (3)$.

Column 9. Loan interest rate— $(11) \div (5)$.

Column 10. Time deposit rate— $(13) \div (2)$.

Column 11. Demand deposit charges— $(12) \div [(1) - (2)]$.

Column 12. Deposit interest rates— $[(13) - (12)] \div (1)$.

TABLE A-1. SUMMARY OF 1960 CALL, INCOME AND DIVIDEND REPORTS FOR SOURIS-RED-RAINY COUNTIES
RANKED BY SIZE OF TOTAL DEPOSITS (UNITS IN THOUSANDS OF DOLLARS)

COUNTY	NO. OF BANKS	DEPOSITS				LOANS					INTEREST AND CHARGES			
		TOTAL	TIME	WITH OTHER	FROM OTHER	TOTAL	REAL ESTATE	FINANCIAL	FARM	COMMERCIAL	INDIVIDUAL	ON LOANS	DEMAND DEPOSITS	TIME DEPOSITS
***** SOURIS COUNTIES														
BURK-DIVID	4	9898	2483	785	5	2949	731	15	1046	491	661	243	25	76
PIRC-ROLY	5	13039	4117	1098	5	3710	619	0	1717	427	940	247	8	114
BOTT-MCHEN	5	13388	2604	1233	5	2262	652	0	1104	250	255	146	9	51
RNVIL-WARD	5	52230	16513	3592	622	26491	7125	75	4807	5854	8439	1723	238	473
TOTAL	19	88555	25717	6708	637	35412	9127	90	8674	7022	10295	2359	280	714
***** RED COUNTIES														
CLEARWATER	3	7854	4142	722	177	3617	752	0	1272	282	1235	238	8	111
TRAVERSE	3	8778	3644	906	0	3510	969	13	1573	266	682	210	24	97
GRANT	7	10175	5104	1120	0	5088	1119	4	2965	469	470	318	16	140
MARSHALL	6	14458	6884	1611	50	5412	924	0	3718	205	504	376	24	178
BELTRAMI	5	14541	6505	805	48	6532	2555	23	831	1124	1968	433	62	150
PEN-R LAKE	5	16244	7046	1737	305	6510	1885	40	2040	884	1649	455	27	179
BECKER	6	17060	8114	1615	87	6402	2090	10	2081	1169	945	397	63	207
MAHN-NRM	9	17294	8484	1733	25	5776	1015	0	3399	463	832	423	20	230
KITT-ROSU	6	18570	8021	1573	85	7112	1875	5	2614	975	1579	500	41	185
CLAY	6	31461	13583	2641	87	15439	5380	398	3849	2362	3053	993	139	378
POLK	9	33860	15910	2761	274	16091	4080	73	6337	2459	3020	1061	103	436
OTTERTAIL	15	40350	18850	4510	388	16776	6800	165	3791	2667	3032	1061	113	481
STEELE	3	6525	2387	645	0	2938	680	0	1986	28	242	184	3	68
NELSON	5	8817	3245	969	10	2765	1053	4	1278	135	289	170	5	93
EDDY-FOSTR	3	10063	3243	1135	0	3126	924	111	1615	233	241	181	14	93
RANSOM	3	10386	5792	850	10	4726	1438	19	1881	400	980	314	25	158
BEN-TOWNER	4	11372	3014	1220	0	4573	1026	0	2484	320	715	319	11	83
TRAILL	5	12619	4934	1098	15	4003	1416	0	1783	219	571	260	42	133
RAMSEY	3	14119	5444	606	11	5884	2943	0	1190	1021	727	336	37	143
CAVL-PEMB	7	20254	6512	1714	13	6903	1234	0	3571	555	1393	471	33	179
RLAND-SGNT	7	23836	10407	1223	68	10243	2983	30	4372	1084	1756	658	67	289
WALSH	6	25681	11957	2083	10	12008	4456	0	3997	1529	1976	730	85	315
GRAND FORK	5	54809	22352	4133	1790	26518	6267	626	5471	6089	7949	1688	173	606
CASS	12	105604	36094	8700	6070	50250	12369	1335	7974	13873	13305	3134	261	1014
TOTAL	143	534730	221668	46110	9523	232202	66233	2856	72072	38811	49113	14910	1396	5946
***** RAINY COUNTIES														
COOK-LAKE	4	10755	5592	857	10	4788	3240	0	100	344	1203	309	57	101
KOCH-L WDS	5	16259	7970	1133	87	5181	2777	16	708	748	898	370	44	160
ST. L-DUL	20	100513	60008	9614	327	42886	27332	942	271	4885	9339	2427	179	1639
TOTAL	29	127527	73570	11604	424	52855	33349	958	1079	5977	11440	3106	280	1900

TABLE A-2. SUMMARY RATIOS BASED ON THE 1960 CALL, INCOME AND DIVIDEND REPORTS
FOR SOURIS-RED-RAINY COUNTIES (UNITS IN PERCENT)

COUNTY	RN	LOAN CATEGORIES AS PERCENT OF TOTAL LOANS							CORRESPONDENT BALANCE RATIO	LOAN INTEREST RATE	TIME DEPOSIT RATE	DEMAND DEPOSIT CHARGES	DEPOSIT INTEREST RATE
		LOAN TO DEPOSITS	TIME DEPOSITS	REAL ESTATE	FINANCIAL BUSINESS	FARMERS	INDUSTRY	INDIVIDUAL					
***** SOURIS COUNTIES													
BURK-DIVID	4	29.794	25.086	24.788	.509	35.470	16.650	22.414	.637	8.240	3.061	.337	.515
PIRC-ROTT	5	28.453	31.575	16.685	0.000	46.280	11.509	25.337	.455	6.658	2.769	.090	.813
BOTT-MCHEN	5	16.896	19.450	28.824	0.000	48.806	11.052	11.273	.406	6.454	1.959	.083	.314
RNVIL-WARD	5	50.720	31.616	26.896	.283	18.146	22.098	31.856	17.316	6.504	2.864	.666	.450
MEANS =		31.466	26.932	24.298	.198	37.176	15.327	22.720	4.704	6.964	2.663	.294	.523
SIGMA =		14.082	5.856	5.337	.246	13.943	5.178	8.591	8.409	.855	.485	.275	.211
***** RED COUNTIES													
CLEARWATER	3	46.053	52.737	20.791	0.000	35.167	7.797	34.144	24.515	6.580	2.680	.216	1.311
TRAVERSE	3	39.986	41.513	27.607	.370	44.815	7.578	19.430	0.000	5.983	2.662	.467	.832
GRANT	7	50.005	50.162	21.993	.079	58.274	9.218	9.237	0.000	6.250	2.743	.316	1.219
MARSHALL	6	37.433	47.614	17.073	0.000	68.699	3.788	9.313	3.104	6.948	2.586	.317	1.065
BELTRAMI	5	44.921	44.736	39.115	.352	12.722	17.208	30.129	5.963	6.629	2.306	.772	.605
PEN-R LAKE	5	40.076	43.376	28.955	.614	31.336	13.579	25.330	17.559	6.989	2.540	.294	.936
BECKER	6	37.526	47.562	32.646	.156	32.505	18.260	14.761	5.387	6.201	2.551	.704	.844
MAHN-NRM	9	33.399	49.057	17.573	0.000	58.847	8.016	14.404	1.443	7.323	2.711	.227	1.214
KITT-ROSU	6	38.298	43.193	26.364	.070	36.755	13.709	22.202	5.404	7.030	2.306	.389	.775
CLAY	6	49.073	43.174	34.847	2.578	24.930	15.299	19.775	3.294	6.432	2.783	.777	.760
POLK	9	47.522	46.988	25.356	.454	39.382	15.282	18.768	9.924	6.594	2.740	.574	.983
OTTERTAIL	15	41.576	46.716	40.534	.984	22.598	15.898	18.073	8.603	6.325	2.552	.526	.912
STEELE	3	45.027	36.582	23.145	0.000	67.597	.953	8.237	0.000	6.263	2.849	.072	.996
NELSON	5	31.360	36.804	38.083	.145	46.221	4.882	10.452	1.032	6.148	2.866	.090	.998
EDDY-FOSTR	3	31.064	32.227	29.559	3.551	51.663	7.454	7.710	0.000	5.790	2.868	.205	.785
RANSOM	3	45.504	55.767	30.427	.402	39.801	8.464	20.736	1.176	6.644	2.728	.544	1.281
BEN-TOWNER	4	40.213	26.504	22.436	0.000	54.319	6.998	15.635	0.000	6.976	2.754	.132	.633
TRAILL	5	31.722	39.100	35.373	0.000	44.542	5.471	14.264	1.366	6.495	2.696	.547	.721
RAMSEY	3	41.674	38.558	50.017	0.000	20.224	17.352	12.356	1.815	5.710	2.627	.427	.751
CAVL-PEMB	7	34.082	32.152	17.876	0.000	51.731	8.040	20.180	.758	6.823	2.749	.240	.721
RLAND-SGNT	7	42.973	43.661	29.122	.293	42.683	10.583	17.143	5.560	6.424	2.777	.499	.931
WALSH	6	46.758	46.560	37.109	0.000	33.286	12.733	16.456	.480	6.079	2.634	.619	.896
GRAND FORK	5	48.383	40.782	23.633	2.361	20.631	22.962	29.976	43.310	6.365	2.711	.533	.790
CASS	12	47.583	34.179	24.615	2.657	15.869	27.608	26.478	69.770	6.237	2.809	.375	.713
MEANS =		41.342	42.488	28.927	.628	39.775	11.630	18.133	8.769	6.468	2.676	.411	.903
SIGMA =		5.960	7.019	8.279	1.033	15.708	6.317	7.224	16.333	.406	.148	.205	.200
***** RAINY COUNTIES													
COOK-LAKE	4	44.519	51.994	67.669	0.000	2.089	7.185	25.125	1.167	6.454	1.806	1.104	.409
KOCH-L WDS	5	31.865	49.019	53.600	.309	13.665	14.437	17.333	7.679	7.141	2.008	.531	.713
ST. L-DUL	20	42.667	59.702	63.732	2.197	.632	11.391	21.776	3.401	5.659	2.731	.442	1.453
MEANS =		39.684	53.572	61.667	.835	5.462	11.004	21.411	4.082	6.418	2.182	.692	.858
SIGMA =		6.834	5.513	7.258	1.189	7.142	3.642	3.909	3.309	.742	.487	.359	.537

TABLE A-3 SUMMARY OF 1961 CALL, INCOME AND DIVIDEND REPORTS FOR SQUIRIS-RED-RAINY COUNTIES
RANKED BY SIZE OF TOTAL DEPOSITS (UNITS IN THOUSANDS OF DOLLARS)

COUNTY	NO. OF BANKS	DEPOSITS				LOANS						INTEREST AND CHARGES		
		TOTAL	TIME	WITH OTHER	FROM OTHER	TOTAL	REAL ESTATE	FINANCIAL	FARM	COMMERCIAL	INDIVIDUAL	ON LOANS	DEMAND DEPOSITS	TIME DEPOSITS
***** SQUIRIS COUNTIES														
BURK-DIVID	4	9653	2292	919	5	2967	777	44	1119	432	590	238	27	72
PIRC-ROLYT	5	13377	4208	1331	10	4143	788	47	1909	467	919	300	8	115
BOTT-MCHEN	5	14147	2989	1364	5	2461	729	0	1253	255	213	194	10	72
RNVIL-WARD	5	53355	18666	4708	1040	25025	7223	168	4195	5356	7790	1723	276	526
TOTAL	19	90532	28155	8322	1060	34596	9517	259	8476	6510	9512	2455	321	785
***** RED COUNTIES														
CLEARWATER	3	8236	4211	1295	269	3685	746	3	1205	237	1471	299	10	106
TRAVERSE	3	9221	3572	1157	0	3556	1037	0	1642	323	543	243	28	98
GRANT	7	10938	5081	1182	0	5039	1124	1	2872	508	445	340	16	137
MARSHALL	6	14936	6831	1730	10	5608	979	1	3859	214	486	410	25	180
BELTRAMI	5	15285	6619	1432	56	6622	2726	12	840	1024	1975	448	62	157
PEN-R LAKE	5	16941	7217	1967	494	6968	1957	14	2117	1049	1812	489	28	182
BECKER	6	17615	8314	1445	75	7138	2439	14	1889	1460	1305	468	62	214
MAHN-NRM	9	18245	8651	1892	32	6329	1174	0	3611	655	751	463	21	233
KITT-ROSU	6	19216	7720	1661	269	7584	1895	282	2622	1235	1357	503	41	197
CLAY	6	32097	13982	2550	142	15804	5496	427	4006	2426	3123	1071	146	393
POLK	9	36158	16492	3197	369	16559	3973	50	6720	2298	3378	2004	117	431
OTTERTAIL	15	42691	19238	4476	367	16774	6949	152	3957	2695	2714	1097	119	505
STEELE	3	6619	2439	1063	0	2897	699	0	1865	56	272	222	3	69
NELSON	5	9210	3353	1287	10	2822	690	2	1741	152	231	206	6	98
EDDY-FOSTR	3	10695	3639	1353	0	4253	1305	67	2082	571	227	249	12	102
RANSOM	3	10845	6028	707	10	5172	1498	38	2067	439	1119	343	26	169
BEN-TOWNER	4	11716	3141	1644	0	4413	1195	0	2433	242	516	335	13	83
TRAILL	5	12741	4977	1261	15	4128	1561	31	1774	204	523	283	45	130
RAMSEY	3	14951	5718	949	18	6229	3256	15	1299	926	730	366	41	142
CAVL-PEMB	7	20701	6865	1849	18	7292	1620	0	3755	658	1176	514	37	187
RLAND-SGNT	7	25192	10449	1260	100	9562	2703	15	4563	634	1640	707	82	302
WALSH	6	25893	12342	2072	10	12633	4783	4	4391	1681	1744	802	98	345
GRAND FORK	5	56279	22475	3875	2083	26034	6418	954	5121	6164	7229	1724	199	650
CASS	12	108320	37538	7446	5644	52237	13444	1164	8596	14768	13088	3250	341	1079
TOTAL	143	554741	226892	48750	9991	239338	69667	3246	75027	40619	47855	16836	1578	6189
***** RAINY COUNTIES														
COOK-LAKE	4	12215	6055	1478	10	4856	3217	1	0	375	1262	326	62	111
KOCH-L WDS	5	16995	8047	1363	94	5491	2932	16	677	887	967	379	54	165
ST. L-DUL	20	101480	61234	8358	220	42633	26859	735	270	5763	8864	2542	200	1210
TOTAL	29	130690	75336	11199	324	52980	33008	752	947	7025	11093	3247	316	1486

TABLE A-4 SUMMARY RATIOS BASED ON THE 1941 CALL, INCOME AND DIVIDEND REPORTS
FOR SOURIS-RED-RAINY COUNTIES (UNITS IN PERCENT)

COUNTY	BN	LOAN CATEGORIES AS PERCENT OF TOTAL LOANS							CORRESPONDENT BALANCE RATIO	LOAN INTEREST RATE	TIME DEPOSIT RATE	DEMAND DEPOSIT CHARGES	DEPOSIT INTEREST RATE
		LOAN TO DEPOSITS	TIME DEPOSITS	REAL ESTATE	FINANCIAL BUSINESS	FARMERS	INDUSTRY	INDIVIDUAL					
***** SOURIS COUNTIES													
BURK-DIVID	4	30.737	23.744	26.188	1.483	37.715	14.560	19.885	.544	8.022	3.141	.367	.466
PIRC-ROLTT	5	30.971	31.457	19.020	1.134	46.078	11.272	22.182	.751	7.241	2.733	.087	.800
BOTT-MCHEN	5	17.396	21.128	29.622	0.000	50.914	10.362	8.655	.367	7.883	2.409	.090	.438
RNVIL-WARD	5	46.903	34.985	28.863	.671	16.763	21.403	31.129	22.090	6.885	2.818	.796	.469
MEANS =		31.502	27.828	25.923	.822	37.868	14.399	20.463	5.938	7.508	2.775	.335	.543
SIGMA =		12.070	6.480	4.832	.641	15.089	5.005	9.246	10.769	.537	.301	.334	.172
***** RED COUNTIES													
CLEARWATER	3	44.743	51.129	20.244	.081	32.700	6.431	39.919	20.772	8.114	2.517	.248	1.166
TRAVERSE	3	38.564	38.738	29.162	0.000	46.175	9.083	15.270	0.000	6.834	2.744	.496	.759
GRANT	7	46.069	46.453	22.306	.020	56.995	10.081	8.831	0.000	6.747	2.696	.273	1.106
MARSHALL	6	37.547	45.735	17.457	.018	68.812	3.816	8.666	.578	7.311	2.635	.308	1.038
BELTRAMI	5	43.324	43.304	41.166	.181	12.685	15.464	29.825	3.911	6.765	2.372	.715	.622
PEN-R LAKE	5	41.131	42.601	28.086	.201	30.382	15.055	26.005	25.114	7.018	2.522	.288	.909
BECKER	6	40.522	47.198	34.169	.196	26.464	20.454	18.282	5.190	6.556	2.574	.667	.863
MAHN-NRM	9	34.689	47.416	18.550	0.000	57.055	10.349	11.866	1.691	7.316	2.693	.219	1.162
KITT-ROSU	6	39.467	40.175	24.987	3.718	34.573	16.284	17.893	16.195	6.632	2.552	.357	.812
CLAY	6	49.238	43.562	34.776	2.702	25.348	15.351	19.761	5.569	6.777	2.811	.806	.770
POLK	9	45.796	45.611	23.993	.302	40.582	13.878	20.400	11.542	12.102	2.613	.595	.868
OTTERTAIL	15	39.292	45.063	41.427	.906	23.590	16.067	16.180	8.199	6.540	2.625	.507	.904
STEELE	3	43.768	36.848	24.128	0.000	64.377	1.933	9.389	0.000	7.663	2.829	.072	.997
NELSON	5	30.641	36.406	24.451	.071	61.694	5.386	8.186	.777	7.300	2.923	.102	.999
EDDY-FOSTR	3	39.766	34.025	30.684	1.575	48.954	13.426	5.337	0.000	5.855	2.803	.170	.842
RANSOM	3	47.690	55.583	28.964	.735	39.965	8.488	21.636	1.414	6.632	2.804	.540	1.319
BEN-TOWNER	4	37.666	26.809	27.079	0.000	55.133	5.484	11.693	0.000	7.591	2.642	.152	.597
TRAILL	5	32.399	39.063	37.815	.751	42.975	4.942	12.670	1.190	6.856	2.612	.580	.667
RAMSEY	3	41.663	38.245	52.272	.241	20.854	14.866	11.719	1.897	5.876	2.483	.444	.676
CAVL-PEMB	7	35.225	33.163	22.216	0.000	51.495	9.024	16.127	.973	7.049	2.724	.267	.725
RLAND-SGNT	7	37.956	41.477	28.268	.157	47.720	6.630	17.151	7.937	7.394	2.890	.556	.873
WALSH	6	48.789	47.665	37.861	.032	34.758	13.306	13.805	.483	6.348	2.795	.723	.954
GRAND FORK	5	46.259	39.935	24.652	3.664	19.670	23.677	27.768	53.755	6.622	2.892	.589	.801
CASS	12	48.225	34.655	25.737	2.228	16.456	28.271	25.055	75.799	6.222	2.874	.482	.681
MEANS =		41.268	41.702	29.185	.741	39.976	11.989	17.226	10.124	7.088	2.693	.423	.880
SIGMA =		5.223	6.394	8.321	1.162	16.115	6.446	8.122	18.472	1.197	.147	.212	.187
***** RAINY COUNTIES													
COOK-LAKE	4	39.754	49.570	66.248	.021	0.000	7.722	25.988	.477	6.713	1.833	1.006	.401
KOCH-L WDS	5	32.310	47.349	53.396	.291	12.329	16.154	17.611	6.897	6.902	2.050	.603	.653
ST. L-DUL	20	42.011	60.341	63.000	1.724	.633	13.518	20.791	2.632	5.963	1.976	.497	.995
MEANS =		38.025	52.420	60.882	.679	4.321	12.465	21.464	3.402	6.526	1.953	.702	.683
SIGMA =		5.077	6.949	6.683	.915	6.943	4.313	4.229	3.181	.497	.110	.269	.298

TABLE A-5 SUMMARY OF 1962 CALL, INCOME AND DIVIDEND REPORTS FOR SOURIS-RED-RAINY COUNTIES RANKED BY SIZE OF TOTAL DEPOSITS (UNITS IN THOUSANDS OF DOLLARS)

COUNTY	NO. OF BANKS	DEPOSITS				LOANS						INTEREST AND CHARGES		
		TOTAL	TIME	WITH OTHER	FROM OTHER	TOTAL	REAL ESTATE	FINAN- CIAL	FARM	COMMER- CIAL	INDIV- UAL	ON LOANS	DEMAND DEPOSITS	TIME DEPOSITS
***** SOURIS COUNTIES														
BURK-DIVID	4	11707	2805	814	5	3404	960	5	1507	414	501	222	29	83
PIRC-ROLYT	5	16428	5195	1282	10	4428	1020	0	2071	418	907	320	12	121
BOTT-MCHEN	5	16805	3483	1196	5	2979	1177	0	1275	291	220	168	10	84
RNVIL-WARD	5	65352	21462	4488	1114	29683	7756	395	7266	6034	7998	1772	298	592
TOTAL	19	110292	32945	7780	1134	40494	10913	400	12119	7157	9626	2482	349	880
***** RED COUNTIES														
CLEARWATER	3	8350	4618	903	191	3900	726	0	1464	288	1418	261	9	109
TRAVERSE	3	9827	4429	1093	0	4094	1145	0	1832	404	646	241	24	98
GRANT	7	11556	6088	975	0	5848	1236	9	3381	658	506	349	17	148
MARSHALL	6	15688	7713	1498	30	5742	982	0	3915	230	541	409	35	184
BELTRAMI	5	16397	7878	1066	47	7422	3001	11	895	1213	2250	501	66	211
PEN-R LAKE	5	18159	8695	1409	309	7824	1913	30	2497	1217	2114	510	31	208
BECKER	6	19349	9633	1736	82	8431	2735	25	2119	1670	1855	533	64	276
MAHN-NRM	9	19407	9942	1709	38	6610	1214	0	3819	715	768	464	23	215
KITT-ROSU	6	20039	8879	1851	415	7792	1837	169	2756	1490	1411	570	44	166
CLAY	6	35595	16524	2628	145	18743	6419	374	4596	3654	3503	1143	171	420
POLK	9	37763	19244	2423	273	17161	4186	66	6756	2552	3454	1171	141	480
OTTERTAIL	15	46098	21629	4805	357	18670	7572	197	4380	3274	2944	1144	129	585
STEELE	3	7638	3051	581	0	3225	950	0	1867	95	306	216	4	87
NELSON	5	11392	4704	827	10	3147	473	4	1709	137	292	194	7	110
RANSOM	3	11931	6963	950	10	5412	421	49	2259	451	1072	361	28	155
EDDY-FOSTR	3	12970	4672	1215	0	4664	1473	73	2361	270	487	283	6	109
TRAILL	5	14258	5886	1012	15	4592	1779	0	1985	232	546	296	49	172
BEN-TOWNER	4	14803	4141	1468	0	4170	1555	0	1954	237	407	341	14	106
RAMSEY	3	17503	7364	882	15	6383	732	34	1372	933	650	374	46	197
CAVL-PEMB	7	23781	7986	1929	18	7694	1755	0	3867	784	1200	527	40	209
RLAND-SGNT	7	26252	11752	1361	83	10486	2830	5	4856	1148	1627	666	78	352
WALSH	6	29229	14618	1992	10	12454	5273	12	3924	1627	1614	831	92	450
GRAND FORK	5	59560	25953	2757	1930	27519	7380	918	5466	6106	7302	1795	218	750
CASS	12	120543	50584	8213	5306	59363	15618	2497	9994	16042	13613	3424	342	1357
TOTAL	143	608088	272946	45283	9284	261346	73205	4473	80024	45427	50526	16604	1678	7154
***** RAINY COUNTIES														
COOK-LAKE	4	12795	6937	1400	10	5142	3381	0	6	351	1402	346	67	161
KOCH-L WDS	5	17528	8811	1288	68	5580	2939	47	837	786	957	399	56	185
ST. L-DUL	20	106866	67969	8925	230	44922	28087	626	268	6138	9604	2702	221	1814
TOTAL	29	137189	83717	11613	308	55644	34407	673	1111	7275	11963	3447	344	2160

TABLE A-6 SUMMARY RATIOS BASED ON THE 1962 CALL, INCOME AND DIVIDEND REPORTS
FOR SOURIS-RED-RAINY COUNTIES (UNITS IN PERCENT)

COUNTY	RN	LOAN CATEGORIES AS PERCENT OF TOTAL LOANS							CORRESPONDENT BALANCE RATIO	LOAN INTEREST RATE	TIME DEPOSIT RATE	DEMAND DEPOSIT CHARGES	DEPOSIT INTEREST RATE
		LOAN TO DEPOSITS	TIME DEPOSITS	REAL ESTATE	FINANCIAL BUSINESS	FARMERS	INDUSTRY	INDIVIDUAL					
***** SOURIS COUNTIES													
BURK-DIVID	4	29.077	23.960	28.202	.147	44.271	12.162	14.718	.614	6.522	2.959	.326	.461
PIRC-ROLYT	5	26.954	31.623	23.035	0.000	46.771	9.440	20.483	.780	7.227	2.329	.107	.664
BOTT-MCHEN	5	17.727	20.726	39.510	0.000	42.800	9.768	7.385	.418	5.639	2.412	.075	.440
RNVIL-WARD	5	45.420	32.841	26.129	1.331	24.479	20.328	26.945	24.822	5.970	2.758	.679	.450
MEANS =		29.794	27.287	29.219	.369	39.580	12.925	17.383	6.659	6.339	2.615	.297	.504
SIGMA =		11.524	5.881	7.181	.645	10.200	5.083	8.329	12.110	.695	.295	.278	.107
***** RED COUNTIES													
CLEARWATER	3	46.707	55.305	18.615	0.000	37.538	7.385	36.359	21.152	6.692	2.360	.241	1.198
TRAVERSE	3	41.661	45.070	27.968	0.000	44.748	9.868	15.779	0.000	5.887	2.213	.445	.753
GRANT	7	50.606	52.683	21.135	.154	57.815	11.252	8.653	0.000	5.968	2.431	.311	1.134
MARSHALL	6	36.601	49.165	17.102	0.000	68.182	4.006	9.422	2.003	7.123	2.386	.439	.950
BELTRAMI	5	45.264	48.045	40.434	.148	12.059	16.343	30.315	4.409	6.750	2.678	.775	.884
PEN-R LAKE	5	43.086	47.883	24.450	.383	31.915	15.555	27.019	21.930	6.518	2.392	.328	.975
BECKER	6	43.573	49.786	32.440	.297	25.133	19.808	22.002	4.724	6.322	2.865	.659	1.096
MAHN-NRM	9	34.060	51.229	18.366	0.000	57.776	10.817	11.619	2.224	7.020	2.163	.243	.989
KITT-ROSU	6	38.884	44.309	23.575	2.169	35.370	19.122	18.108	22.420	7.315	1.870	.394	.609
CLAY	6	52.656	46.422	34.247	1.995	24.521	19.495	18.690	5.518	6.098	2.542	.897	.700
POLK	9	45.444	50.960	24.393	.385	39.368	14.871	20.127	11.267	6.824	2.494	.761	.898
OTTERTAIL	15	40.501	46.920	40.557	1.055	23.460	17.536	15.769	7.430	6.127	2.705	.527	.989
STEELE	3	42.223	39.945	29.457	0.000	57.891	2.946	9.488	0.000	6.698	2.852	.087	1.087
NELSON	5	27.625	41.292	15.030	.127	54.306	4.353	9.279	1.209	6.165	2.338	.105	.904
RANSOM	3	45.361	58.361	7.779	.905	41.741	8.333	19.808	1.053	6.670	2.226	.564	1.064
EDDY-FOSTR	3	35.960	36.022	31.582	1.565	50.622	5.789	10.442	0.000	6.068	2.333	.072	.794
TRAILL	5	32.206	41.282	38.741	0.000	43.227	5.052	11.890	1.482	6.446	2.922	.585	.863
BEN-TOWNER	4	28.170	27.974	37.290	0.000	46.859	5.683	9.760	0.000	8.177	2.560	.131	.621
RAMSEY	3	36.468	42.073	11.468	.533	21.495	14.617	10.183	1.701	5.859	2.675	.454	.863
CAVL-PEMB	7	32.354	33.581	22.810	0.000	50.260	10.190	15.597	.933	6.849	2.617	.253	.711
RLAND-SGNT	7	39.944	44.766	26.988	.048	46.309	10.948	15.516	6.098	6.351	2.995	.538	1.044
WALSH	6	42.608	50.012	42.340	.096	31.508	13.064	12.960	.502	6.673	3.078	.630	1.225
GRAND FORK	5	46.204	43.575	26.818	3.336	19.863	22.188	26.534	70.004	6.523	2.890	.649	.893
CASS	12	49.246	41.963	26.309	4.206	16.835	27.024	22.932	64.605	5.768	2.683	.489	.842
MEANS =		40.725	45.359	26.662	.725	39.117	12.344	17.010	10.444	6.537	2.553	.441	.920
SIGMA =		6.729	6.846	9.383	1.142	15.093	6.426	7.486	18.878	.543	.297	.230	.170
***** RAINY COUNTIES													
COOK-LAKE	4	40.188	54.216	65.753	0.000	.117	6.826	27.266	.714	6.729	2.321	1.144	.735
KOCH-L WDS	5	31.835	50.268	52.670	.842	15.000	14.086	17.151	5.280	7.151	2.100	.642	.736
ST. L-DUL	20	42.036	63.602	62.524	1.394	.597	13.664	21.379	2.577	6.015	2.669	.568	1.491
MEANS =		38.019	56.029	60.316	.745	5.238	11.525	21.932	2.857	6.631	2.363	.785	.987
SIGMA =		5.435	6.849	6.815	.702	8.458	4.075	5.080	2.295	.574	.287	.313	.436

TABLE A-7 SUMMARY OF 1963 CALL, INCOME AND DIVIDEND REPORTS FOR SOURIS-RED-RAINY COUNTIES RANKED BY SIZE OF TOTAL DEPOSITS (UNITS IN THOUSANDS OF DOLLARS)

COUNTY	NO. OF BANKS	DEPOSITS				LOANS						INTEREST AND CHARGES		
		TOTAL	TIME	WITH OTHER	FROM OTHER	TOTAL	REAL ESTATE	FINANCIAL	FARM	COMMERCIAL	INDIVIDUAL	ON LOANS	DEMAND DEPOSITS	TIME DEPOSITS
***** SOURIS COUNTIES														
BURK-DIVID	4	12643	3604	911	5	3975	1237	20	1485	526	695	301	28	107
BOTT-MCHEN	5	16999	4029	970	5	4037	1732	0	1726	271	298	265	10	113
PIRC-ROLTT	5	18342	6637	1621	10	5163	1143	0	2234	708	1051	433	9	196
RNVIL-WARD	5	67924	25165	3698	1033	34201	9835	655	5945	8459	9278	2131	324	816
TOTAL	19	115908	39435	7200	1053	47376	13947	675	11390	9964	11322	3130	371	1232
***** RED COUNTIES														
CLEARWATER	3	8694	4946	631	161	3607	775	0	1452	254	1118	266	9	161
TRAVERSE	3	10355	4969	941	0	4513	1218	0	1869	481	860	313	26	163
GRANT	8	12618	6628	924	102	6676	1347	18	3770	681	794	423	25	230
MARSHALL	6	17120	8575	1485	34	6149	1003	0	4176	258	605	496	45	270
BELTRAMI	5	17523	8799	846	83	8082	2960	13	1065	1318	2624	541	68	277
MAHN-NRM	9	20414	10836	1715	46	6822	1415	0	3978	490	868	530	23	366
BECKER	6	20656	11196	1463	73	9422	3157	15	2401	1684	2093	588	69	325
KITT-ROSU	6	21277	9417	1482	451	8294	1745	249	3099	1365	1771	662	49	291
PEN-R LAKE	5	21439	10631	1872	414	9122	2008	38	2804	1684	2554	619	37	321
CLAY	8	39011	19435	2291	138	21601	6926	468	5309	4749	4065	1357	183	586
POLK	9	41198	21812	2416	209	17496	4828	111	6374	2457	3563	1228	148	662
OTTERTAIL	15	47882	23587	4551	382	21058	8172	838	5029	3261	3504	1280	136	730
STEELE	3	8324	3742	808	0	3607	1002	0	2179	115	304	254	6	122
NELSON	5	12803	5592	999	10	3352	1218	11	1688	120	309	301	12	200
RANSOM	3	13030	7784	1256	10	6347	1747	52	2572	492	1428	390	28	224
EDDY-FOSTR	3	14206	5929	1190	0	6357	1713	109	3773	387	371	370	6	141
TRAILL	5	14867	6554	1169	15	4867	1928	0	2066	198	606	366	50	226
BEN-TOWNER	4	15864	5433	1368	0	5585	1848	0	2601	570	487	424	14	170
RAMSEY	3	19366	9009	561	16	6712	3500	24	1570	869	679	484	48	282
CAVL-PEMB	7	24618	8881	1864	20	9269	2171	0	4637	828	1531	689	48	288
RLAND-SGNT	7	27587	12866	1248	107	11785	3228	15	5711	999	1799	783	83	435
WALSH	6	32047	16784	1786	10	13091	5469	7	4157	1735	1709	959	102	567
GRAND FORK	6	63138	29317	2702	1862	31976	8681	1218	5544	7491	8319	2053	222	929
CASS	12	129732	58858	6362	6691	66663	19405	1766	12466	16630	15108	3939	348	1928
TOTAL	147	653769	311580	41930	10834	292453	87464	4952	90290	49116	57069	19315	1785	9894
***** RAINY COUNTIES														
COOK-LAKE	4	12274	7404	534	9	5214	3398	0	0	405	1409	354	70	188
KOCH-L WDS	5	18664	9598	1328	136	5704	3029	49	857	790	973	410	56	281
ST. L-DUL	19	111204	71576	7557	104	47148	28568	570	314	7361	10202	2624	222	2050
TOTAL	28	142142	88578	9419	249	58066	34995	619	1171	8556	12584	3388	348	2519

TABLE A-8 SUMMARY RATIOS BASED ON THE 1963 CALL, INCOME AND DIVIDEND REPORTS
FOR SOUTHS-RED-RAINY COUNTIES (UNITS IN PERCENT)

COUNTY	RN	LOAN CATEGORIES AS PERCENT OF TOTAL LOANS							CORRESPONDENT BALANCE RATIO	LOAN INTEREST RATE	TIME DEPOSIT RATE	DEMAND DEPOSIT CHARGES	DEPOSIT INTEREST RATE
		LOAN TO DEPOSITS	TIME DEPOSITS	REAL ESTATE	FINANCIAL BUSINESS	FARMERS	INDUSTRY	INDIVIDUAL					
***** SOURIS COUNTIES													
BURK-DIVID	4	31.440	28.506	31.119	.503	37.358	13.233	17.484	.549	7.572	2.969	.310	.625
BOTT-MCHEN	5	23.748	23.701	42.903	0.000	42.755	6.713	7.382	.515	6.564	2.805	.077	.606
PIRC-ROLYT	5	28.149	36.185	22.138	0.000	43.269	13.713	20.356	.617	8.387	2.953	.077	1.020
RNVIL-WARD	5	50.352	37.049	28.756	1.915	17.383	24.733	27.128	27.934	6.231	3.243	.758	.724
MEANS =		33.422	31.360	31.229	.605	35.191	14.598	18.088	7.404	7.189	2.992	.305	.744
SIGMA =		11.718	6.389	8.661	.905	12.170	7.473	8.203	13.687	.981	.183	.321	.191
***** RED COUNTIES													
CLEARWATER	3	41.488	56.890	21.486	0.000	40.255	7.042	30.995	25.515	7.375	3.255	.240	1.748
TRAVERSE	3	43.583	47.986	26.989	0.000	41.414	10.658	19.056	0.000	6.936	3.280	.483	1.323
GRANT	8	52.909	52.528	20.177	.270	56.471	10.201	11.893	11.039	6.336	3.470	.417	1.625
MARSHALL	6	35.917	50.088	16.312	0.000	67.913	4.196	9.839	2.290	8.066	3.149	.527	1.314
BELTRAMI	5	46.122	50.214	36.625	.161	13.177	16.308	32.467	9.811	6.694	3.148	.779	1.193
MAHN-NRM	9	33.418	53.081	20.742	0.000	58.311	7.183	12.724	2.682	7.769	3.378	.240	1.680
BECKER	6	45.614	54.202	33.507	.159	25.483	17.873	22.214	4.990	6.241	2.903	.729	1.239
KITT-ROSU	6	38.981	44.259	21.039	3.002	37.364	16.458	21.353	30.432	7.982	3.090	.413	1.137
PEN-R LAKE	5	42.549	49.587	22.013	.417	30.739	18.461	27.998	22.115	6.786	3.019	.342	1.325
CLAY	8	55.372	49.819	32.063	2.167	24.578	21.985	18.819	6.024	6.282	3.015	.935	1.033
POLK	9	42.468	52.944	27.595	.634	36.431	14.043	20.365	8.651	7.019	3.035	.763	1.248
OTTERTAIL	15	43.979	49.261	38.807	3.979	23.882	15.486	16.640	8.394	6.078	3.095	.560	1.241
STEELE	3	43.333	44.954	27.779	0.000	60.410	3.188	8.428	0.000	7.042	3.260	.131	1.394
NELSON	5	26.181	43.677	36.337	.328	50.358	3.580	9.218	1.001	8.980	3.577	.166	1.468
RANSOM	3	48.711	59.739	27.525	.819	40.523	7.752	22.499	.796	6.145	2.878	.534	1.504
EDDY-FOSTR	3	44.749	41.736	26.947	1.715	59.352	6.088	5.836	0.000	5.820	2.378	.072	.950
TRAILL	5	32.737	44.084	39.614	0.000	42.449	4.068	12.451	1.283	7.520	3.448	.601	1.184
BEN-TOWNER	4	35.205	34.247	33.089	0.000	46.571	10.206	8.720	0.000	7.592	3.129	.134	.983
RAMSEY	3	34.659	46.520	52.145	.358	23.391	12.947	10.116	2.852	7.211	3.130	.463	1.208
CAVL-PEMB	7	37.651	36.075	23.422	0.000	50.027	8.933	16.517	1.073	7.433	3.243	.305	.975
RLAND-SGNT	7	42.719	46.638	27.391	.127	48.460	8.477	15.265	8.574	6.644	3.381	.564	1.276
WALSH	6	40.849	52.373	41.777	.053	31.755	13.253	13.055	.560	7.326	3.378	.668	1.451
GRAND FORK	6	50.645	46.433	27.148	3.809	17.338	23.427	26.016	68.912	6.420	3.169	.656	1.120
CASS	12	51.385	45.369	29.109	2.649	18.700	24.946	22.663	105.171	5.909	3.276	.491	1.218
MEANS =		42.134	48.029	29.568	.860	39.390	11.948	17.298	13.423	6.984	3.170	.467	1.285
SIGMA =		7.004	5.909	8.302	1.283	15.242	6.374	7.438	24.738	.780	.244	.230	.214
***** RAINY COUNTIES													
COOK-LAKE	4	42.480	60.323	65.171	0.000	0.000	7.768	27.023	1.685	6.789	2.539	1.437	.961
KOCH-L WDS	5	30.562	51.425	53.103	.859	15.025	13.850	17.058	10.241	7.188	2.928	.618	1.206
ST. L-DUL	19	42.398	64.365	60.592	1.209	.666	15.613	21.638	1.376	5.565	2.864	.560	1.644
MEANS =		38.480	58.704	59.622	.689	5.230	12.410	21.907	4.434	6.514	2.777	.877	1.270
SIGMA =		6.858	6.620	6.092	.622	8.489	4.116	4.988	5.031	.846	.208	.491	.346

TABLE A-9 SUMMARY OF 1964 CALL, INCOME AND DIVIDEND REPORTS FOR SOURIS-RED-RAINY COUNTIES
RANKED BY SIZE OF TOTAL DEPOSITS (UNITS IN THOUSANDS OF DOLLARS)

COUNTY	NO. OF BANKS	DEPOSITS				LOANS						INTEREST AND CHARGES		
		TOTAL	TIME	WITH OTHER	FROM OTHER	TOTAL	REAL ESTATE	FINAN- CIAL	FARM	COMMER- CIAL	INDIV- UAL	ON LOANS	DEMAND DEPOSITS	TIME DEPOSITS
***** SOURIS COUNTIES														
BURY-DIVID	4	12601	4022	1004	27	4717	1370	10	2056	607	664	291	31	139
BOYD-MCHEN	5	17350	4758	1116	5	5215	1970	0	1947	921	371	296	10	141
PIRC-ROLTT	5	19412	7960	1519	10	6589	1760	0	2646	875	1285	438	12	255
RNVIL-WARD	6	69890	28558	2939	1009	41688	11757	477	7730	10721	10877	2489	349	957
TOTAL	20	119253	45298	6578	1051	58209	16857	487	14379	13124	13197	3514	402	1492
***** RED COUNTIES														
CLEARWATER	3	9648	5331	976	156	3701	762	0	1494	252	1189	295	15	181
TRAVERSE	3	11662	5790	1162	0	4558	1299	0	1953	429	788	335	27	190
GRANT	7	12938	7290	1143	0	6436	1378	20	3709	702	562	458	21	246
MARSHALL	6	18100	9242	1965	88	6815	1033	0	4813	247	665	497	46	315
BELTRAMI	5	19631	9983	1560	101	8698	3220	12	1085	1425	2829	590	71	303
MAHN-NRM	9	22313	12102	1616	91	7484	1468	0	4203	716	1022	552	24	403
PEN-R LAKE	5	22481	11405	2225	442	10209	2359	41	3126	1840	2813	695	35	399
BECKER	6	22556	12433	1995	95	10331	3948	18	2335	1492	2505	668	75	404
KITT-ROSU	6	22785	10708	2436	389	9173	1862	82	3628	1368	2154	700	49	330
POLK	10	43050	22517	3493	469	20034	5268	33	7354	3106	4120	1303	157	742
CLAY	8	45286	23136	2692	212	24738	7807	416	6040	4893	5233	1595	199	765
OTTERTAIL	15	51740	26673	4582	355	22041	8867	376	5435	3368	3659	1421	141	830
STEELE	3	8856	4207	1276	24	4031	1058	0	2478	109	365	286	5	148
RANSOM	3	13714	8447	1173	10	6866	1818	7	2577	686	1731	446	28	281
NELSON	5	14293	6735	981	5	4201	1465	5	2088	243	394	296	19	224
EDDY-FOSTR	4	15489	7061	1681	5	8050	1855	151	4856	516	635	465	25	217
TRAILL	5	15841	7337	1126	15	5257	2077	0	2296	170	661	360	49	255
BEN-TOWNER	4	17038	6510	1668	0	7332	2489	0	3283	728	768	452	14	209
RAMSEY	3	21522	10640	887	16	7479	3835	51	1633	1135	809	463	52	344
CAVL-PEMB	7	27100	9801	2536	15	10780	2476	0	5569	885	1766	772	66	334
RLAND-SGNT	7	29453	14289	1468	182	12843	3640	13	6285	705	2162	870	85	492
WALSH	6	35909	19011	2490	10	14547	6081	3	4430	2069	1946	1005	110	657
GRAND FORK	6	72798	32770	4243	2653	37200	10457	1230	6782	8707	9655	2326	229	1086
CASS	13	142943	68538	8806	6566	80900	22020	5069	14213	21002	16869	4703	367	2288
TOTAL	149	717146	351956	54180	11899	333704	98542	7527	101665	56793	65300	21553	1909	11643
***** RAINY COUNTIES														
COOK-LAKE	4	13775	7803	1237	10	5827	3561	0	2	614	1631	386	71	210
KOCH-L WDS	5	20081	10388	1454	132	5827	3040	59	870	856	994	414	63	295
ST. L-DUL	20	119933	376	75684	9461	51945	29546	1306	338	7821	12673	3084	270	2213
TOTAL	29	153789	18567	78375	9603	63599	36147	1365	1210	9291	15298	3884	404	2718

TABLE A-10. SUMMARY RATIOS BASED ON THE 1964 CALL, INCOME AND DIVIDEND REPORTS
FOR SOURIS-RED-RAINY COUNTIES (UNITS IN PERCENT)

COUNTY	BN	LOAN CATEGORIES AS PERCENT OF TOTAL LOANS							CORRESPONDENT BALANCE RATIO	LOAN INTEREST RATE	TIME DEPOSIT RATE	DEMAND DEPOSIT CHARGES	DEPOSIT INTEREST RATE
		LOAN TO DEPOSITS	TIME DEPOSITS	REAL ESTATE	FINANCIAL BUSINESS	FARMERS	INDUSTRY	INDIVIDUAL					
***** SOURIS COUNTIES													
BURK-DIVID	4	37.434	31.918	29.044	.212	43.587	12.868	14.077	2.689	6.169	3.456	.361	.857
BOTT-MCHEN	5	30.058	27.424	37.776	0.000	37.335	17.661	7.114	.448	5.676	2.963	.079	.755
PIRC-ROLTT	5	33.943	41.006	26.711	0.000	40.158	13.280	19.502	.658	6.647	3.204	.105	1.252
RNVIL-WARD	6	59.648	40.861	28.202	1.144	18.543	25.717	26.091	34.331	5.971	3.351	.844	.870
MEANS =		40.271	35.302	30.433	.339	34.905	17.381	16.696	9.532	6.116	3.244	.347	.933
SIGMA =		13.265	6.757	4.989	.546	11.204	5.965	8.059	16.564	.408	.214	.355	.218
***** RED COUNTIES													
CLEARWATER	3	38.360	55.255	20.589	0.000	40.367	6.809	32.126	15.984	7.971	3.395	.347	1.721
TRAVERSE	3	39.084	49.648	28.499	0.000	42.848	9.412	17.288	0.000	7.350	3.282	.460	1.398
GRANT	7	49.745	56.346	21.411	.311	57.629	10.907	8.732	0.000	7.116	3.374	.372	1.739
MARSHALL	6	37.652	51.061	15.158	0.000	70.624	3.624	9.758	4.478	7.293	3.408	.519	1.486
BELTRAMI	5	44.307	50.853	37.020	.138	12.474	16.383	32.525	6.474	6.783	3.035	.736	1.182
MAHN-NRM	9	33.541	54.237	19.615	0.000	56.160	9.567	13.656	5.631	7.376	3.330	.235	1.699
PEN-R LAKE	5	45.412	50.732	23.107	.402	30.620	18.023	27.554	19.865	6.808	3.498	.316	1.619
BECKER	6	45.802	55.121	38.215	.174	22.602	14.442	24.247	4.762	6.466	3.249	.741	1.459
KITT-ROSU	6	40.259	46.996	20.299	.894	39.551	14.913	23.482	15.969	7.631	3.082	.406	1.233
POLK	10	46.537	52.304	26.295	.165	36.708	15.504	20.565	13.427	6.504	3.295	.765	1.359
CLAY	8	54.626	51.089	31.559	1.682	24.416	19.779	21.154	7.875	6.448	3.307	.898	1.250
OTTERTAIL	15	42.600	51.552	40.230	1.706	24.659	15.281	16.601	7.748	6.447	3.112	.562	1.332
STEELE	3	45.517	47.505	26.247	0.000	61.474	2.704	9.055	1.881	7.095	3.518	.108	1.615
RANSOM	3	50.066	61.594	26.478	.102	37.533	9.991	25.211	.853	6.496	3.327	.532	1.845
NELSON	5	29.392	47.121	34.873	.119	49.702	5.784	9.379	.510	7.046	3.326	.251	1.434
EDDY-FOSTR	4	51.972	45.587	23.043	1.876	60.323	6.410	7.888	.297	5.776	3.073	.297	1.240
TRAILL	5	33.186	46.317	39.509	0.000	43.675	3.234	12.574	1.332	6.848	3.476	.576	1.300
BEN-TOWNER	4	43.033	38.209	33.947	0.000	44.776	9.929	10.475	0.000	6.165	3.210	.133	1.145
RAMSEY	3	34.750	49.438	51.277	.682	21.834	15.176	10.817	1.804	6.191	3.233	.478	1.357
CAVL-PEMB	7	39.779	36.166	22.968	0.000	51.660	8.210	16.382	.591	7.161	3.408	.382	.989
RLAND-SGNT	7	43.605	48.515	28.342	.101	48.937	5.489	16.834	12.398	6.774	3.443	.561	1.382
WALSH	6	40.511	52.942	41.802	.021	30.453	14.223	13.377	.402	6.909	3.456	.651	1.523
GRAND FORK	6	51.100	45.015	28.110	3.306	18.231	23.406	25.954	62.527	6.253	3.314	.572	1.177
CASS	13	56.596	47.948	27.219	6.266	17.569	25.960	20.852	74.563	5.813	3.338	.493	1.344
MEANS =		43.226	49.648	29.409	.748	39.368	11.882	17.770	10.807	6.780	3.312	.475	1.409
SIGMA =		6.990	5.446	8.657	1.440	15.840	6.263	7.531	18.829	.550	.135	.201	.214
***** RAINY COUNTIES													
COOK-LAKE	4	42.301	56.646	61.112	0.000	.034	10.537	27.990	.808	6.624	2.691	1.189	1.009
KOCH-L WDS	5	29.017	51.730	52.171	1.013	14.930	14.690	17.059	9.078	7.105	2.840	.650	1.155
ST. L-DUL	20	43.312	.314	56.879	2.514	.651	15.056	24.397	12.501	5.937	588.564	.226	1.620
MEANS =		38.210	36.230	56.721	1.176	5.205	13.428	23.149	7.462	6.555	198.032	.688	1.261
SIGMA =		7.977	31.202	4.473	1.265	8.428	2.510	5.572	6.011	.587	338.211	.483	.319

TABLE A-11 SUMMARY OF 1965 CALL, INCOME AND DIVIDEND REPORTS FOR SOURIS-RED-RAINY COUNTIES
RANKED BY SIZE OF TOTAL DEPOSITS (UNITS IN THOUSANDS OF DOLLARS)

COUNTY	NO. OF BANKS	DEPOSITS				LOANS						INTEREST AND CHARGES		
		TOTAL	TIME	WITH OTHER	FROM OTHER	TOTAL	REAL ESTATE	FINAN- CIAL	FARM	COMMER- CIAL	INDIV- UAL	ON LOANS	DEMAND DEPOSITS	TIME DEPOSITS
***** SOURIS COUNTIES														
BURK-DIVID	4	12930	4433	826	16	5241	1686	13	2152	606	775	341	30	159
BOTT-MCHEN	5	18428	5685	1368	5	6043	2243	0	1994	1246	520	341	10	170
PIRC-ROLTT	5	21050	9020	1598	10	7247	1961	0	2785	966	1526	495	15	298
RNVIL-WARD	6	79050	34117	4792	1452	44613	13952	588	7688	10622	11642	2893	382	1180
TOTAL	20	131458	53255	8584	1483	63144	19842	601	14619	13440	14463	4070	437	1807
***** RED COUNTIES														
CLEARWATER	3	10574	6196	1044	179	3817	771	0	1445	340	1256	297	18	199
TRAVERSE	3	12038	6453	1130	0	5009	1280	0	2231	557	853	345	25	216
GRANT	7	14429	8122	1186	0	7061	1494	32	3987	775	666	457	19	275
MARSHALL	7	19887	9901	2669	50	7477	1160	0	5162	251	853	529	50	334
BELTRAMI	5	21918	11306	1162	103	9596	3995	15	1065	1350	3073	653	76	354
MAHN-NRM	9	23946	13064	2275	48	7784	1498	4	4317	749	1163	604	26	445
KITT-ROSU	6	24501	11648	2114	352	10301	1901	240	3927	1631	2496	796	49	369
BECKER	6	25008	14095	2093	99	11737	4685	15	2341	2020	2642	737	79	519
PEN-R LAKE	5	25177	13388	2405	694	11693	2756	78	3495	1987	3327	745	39	443
POLK	10	47120	25363	3384	580	22824	5697	88	8586	3646	4600	1480	163	838
CLAY	8	53251	28572	4461	416	29624	9129	342	6702	6021	7238	1863	190	961
OTTERTAIL	15	56027	29899	4299	669	25477	9853	518	6396	4036	4254	1548	144	945
STEELE	3	8130	3901	1035	34	3615	1317	0	1906	107	275	262	4	142
RANSOM	3	14875	9079	700	10	7150	1952	94	2509	703	1810	481	28	311
NELSON	5	15766	7639	1221	10	4641	1975	6	1987	306	363	322	20	267
EDDY-FOSTR	4	16522	7756	1528	10	10257	2705	163	5618	745	998	593	27	259
TRAILL	5	17066	8213	1140	15	6058	2373	0	2458	234	949	382	52	287
BEN-TOWNER	4	18175	7406	1519	0	7842	2619	223	3281	624	1024	536	16	248
RAMSEY	3	22718	11208	999	10	8288	4163	112	1800	1264	922	533	53	396
CAVL-PEMB	7	29375	11059	2583	164	12153	2700	11	6427	1156	1779	857	50	374
RLAND-SGNT	7	32516	16343	1483	104	15144	4146	10	7054	1048	2837	1011	97	562
WALSH	6	39938	21262	2350	10	16225	6521	0	5337	2136	2175	1010	115	773
GRAND FORK	6	79151	36256	4463	3177	44949	11652	1575	7741	11174	12194	2694	256	1226
CASS	14	152244	75050	8228	7251	87424	24432	2710	15977	23789	18357	5270	396	2627
TOTAL	151	780352	393179	55471	13985	376146	110774	6236	111749	66649	76104	24005	1992	13370
***** RAINY COUNTIES														
COOK-LAKE	4	15003	8397	1424	10	6416	3875	5	0	658	1872	415	76	233
KOCH-L WDS	5	21270	11011	1139	135	7123	3633	74	786	965	1658	460	65	333
ST. L-DUL	20	131058	82686	8517	298	57266	32394	598	343	8456	15159	3277	307	2555
TOTAL	29	167331	102094	11080	443	70805	39902	677	1129	10079	18689	4152	448	3121

TABLE A-12 SUMMARY RATIOS BASED ON THE 1965 CALL, INCOME AND DIVIDEND REPORTS
FOR SOURIS-RED-RAINY COUNTIES (UNITS IN PERCENT)

LOAN CATEGORIES AS PERCENT OF TOTAL LOANS													
COUNTY	RN	LOAN TO DEPOSITS	TIME DEPOSITS	REAL ESTATE	FINANCIAL BUSINESS	FARMERS	INDUSTRY	INDIVIDUAL	CORRESPONDENT BALANCE RATIO	LOAN INTEREST RATE	TIME DEPOSIT RATE	DEMAND DEPOSIT CHARGES	DEPOSIT INTEREST RATE
***** SOURIS COUNTIES													
BURK-DIVID	4	40.534	34.285	32.169	.248	41.061	11.563	14.787	1.937	6.506	3.587	.353	.998
BOTT-MCHEN	5	32.792	30.850	37.117	0.000	32.997	20.619	8.605	.365	5.643	2.990	.078	.868
PIRC-ROLTT	5	34.428	42.850	27.059	0.000	38.430	13.330	21.057	.626	6.830	3.304	.125	1.344
RNVIL-WARD	6	56.436	43.159	31.273	1.318	17.233	23.809	26.096	30.301	6.485	3.459	.850	1.009
MEANS =		41.048	37.786	31.905	.392	32.430	17.330	17.636	8.307	6.366	3.335	.352	1.055
SIGMA =		10.787	6.188	4.128	.629	10.673	5.833	7.593	14.678	.507	.257	.353	.203
***** RED COUNTIES													
CLEARWATER	3	36.098	58.597	20.199	0.000	37.857	8.908	32.905	17.146	7.781	3.212	.411	1.712
TRAVERSE	3	41.610	53.605	25.554	0.000	44.540	11.120	17.029	0.000	6.888	3.347	.448	1.587
GRANT	7	48.936	56.289	21.158	.453	56.465	10.976	9.432	0.000	6.472	3.386	.301	1.774
MARSHALL	7	37.597	49.786	15.514	0.000	69.038	3.357	11.408	1.873	7.075	3.373	.501	1.428
BELTRAMI	5	43.781	51.583	41.632	.156	11.098	14.068	32.024	8.864	6.805	3.131	.716	1.268
MAHN-NRM	9	32.506	54.556	19.245	.051	55.460	9.622	14.941	2.110	7.760	3.406	.239	1.750
KITT-ROSU	6	42.043	47.541	18.455	2.330	38.123	15.833	24.231	16.651	7.727	3.168	.381	1.306
BECKER	6	46.933	56.362	39.917	.128	19.945	17.211	22.510	4.730	6.279	3.682	.724	1.759
PEN-R LAKE	5	46.443	53.176	23.570	.667	29.890	16.993	28.453	28.857	6.371	3.309	.331	1.605
POLK	10	48.438	53.826	24.961	.386	37.618	15.974	20.154	17.139	6.484	3.304	.749	1.433
CLAY	8	55.631	53.655	30.816	1.154	22.624	20.325	24.433	9.325	6.289	3.363	.770	1.448
OTTERTAIL	15	45.473	53.365	38.674	2.033	25.105	15.842	16.697	15.562	6.076	3.161	.551	1.430
STEELE	3	44.465	47.983	36.432	0.000	52.725	2.960	7.607	3.285	7.248	3.640	.095	1.697
RANSOM	3	48.067	61.035	27.301	1.315	35.091	9.832	25.315	1.429	6.727	3.425	.483	1.903
NELSON	5	29.437	48.452	42.555	.129	42.814	6.593	7.822	.819	6.938	3.495	.246	1.567
EDDY-FOSTR	4	62.081	46.943	26.372	1.589	54.772	7.263	9.730	.654	5.781	3.339	.308	1.404
TRAILL	5	35.497	48.125	39.171	0.000	40.574	3.863	15.665	1.316	6.306	3.494	.587	1.377
BEN-TOWNER	4	43.147	40.748	33.397	2.844	41.839	7.957	13.058	0.000	6.835	3.349	.149	1.276
RAMSEY	3	36.482	49.335	50.229	1.351	21.718	15.251	11.125	1.001	6.431	3.533	.460	1.510
CAVL-PEMB	7	41.372	37.648	22.217	.091	52.884	9.512	14.638	6.349	7.052	3.382	.273	1.103
RLAND-SGNT	7	46.574	50.261	27.377	.066	46.580	6.920	18.733	7.013	6.676	3.439	.600	1.430
WALSH	6	40.625	53.238	40.191	0.000	32.894	13.165	13.405	.426	6.225	3.636	.616	1.648
GRAND FORK	6	56.789	45.806	25.923	3.504	17.222	24.859	27.129	71.185	5.993	3.382	.597	1.226
CASS	14	57.424	49.296	27.947	3.100	18.275	27.211	20.998	88.126	6.028	3.500	.513	1.465
MEANS =		44.477	50.884	29.950	.889	37.715	12.317	18.310	12.661	6.677	3.394	.460	1.504
SIGMA =		8.048	5.256	9.197	1.120	14.930	6.330	7.506	22.095	.560	.146	.191	.200
***** RAINY COUNTIES													
COOK-LAKE	4	42.765	55.969	60.396	.078	0.000	10.256	29.177	.702	6.468	2.775	1.150	1.046
KOCH-L WDS	5	33.488	51.768	51.004	1.039	11.035	13.548	23.277	11.853	6.458	3.024	.634	1.260
ST. L-DUL	20	43.695	63.091	56.568	1.044	.599	14.766	26.471	3.499	5.722	3.090	.635	1.715
MEANS =		39.943	56.943	55.989	.720	3.878	12.856	26.308	5.351	6.216	2.963	.806	1.341
SIGMA =		5.643	5.724	4.723	.556	6.205	2.333	2.954	5.801	.428	.166	.298	.342

TABLE A-13 SUMMARY OF 1966 CALL, INCOME AND DIVIDEND REPORTS FOR SOURIS-RED-RAINY COUNTIES
RANKED BY SIZE OF TOTAL DEPOSITS (UNITS IN THOUSANDS OF DOLLARS)

COUNTY	NO. OF BANKS	DEPOSITS				LOANS						INTEREST AND CHARGES		
		TOTAL	TIME	WITH OTHER	FROM OTHER	TOTAL	REAL ESTATE	FINAN- CIAL	FARM	COMMER- CIAL	INDIV- UAL	ON LOANS	DEMAND DEPOSITS	TIME DEPOSITS
***** SOURIS COUNTIES														
BURK-DIVID	4	14227	5527	1201	24	5554	1418	0	2697	494	931	357	30	182
BOYT-MCHEN	5	19249	6166	1089	5	6204	2534	0	2179	900	556	401	9	219
PIRC-ROLT	5	22840	10668	1468	10	8616	2327	0	3606	1000	1669	535	19	376
RNVIL-WARD	6	85775	41321	4414	1037	49792	14917	739	8980	12564	12541	3145	389	1644
TOTAL	20	142091	63682	8172	1076	70166	21196	739	17462	14958	15697	4438	447	2421
***** RED COUNTIES														
CLEARWATER	3	11368	6804	975	168	4558	793	0	1531	726	1503	320	18	231
TRAVERSE	3	12806	7301	1153	0	5449	1309	23	2277	643	1081	370	25	275
GRANT	7	15104	9106	877	0	8271	1710	44	4668	939	787	517	22	310
MARSHALL	7	20354	10423	2330	98	8381	1250	0	6002	235	844	580	50	376
BELTRAMI	5	23982	13056	1021	74	11391	4856	1	1033	1796	3624	808	79	517
MAHN-NRM	9	24896	14090	2076	24	9410	1832	29	5096	918	1359	625	42	504
KITT-ROSU	6	25332	12810	1889	289	12207	2438	13	5043	1605	2921	834	50	430
PEN-R LAKE	5	26684	14928	2561	602	13305	3239	50	4123	2174	3668	854	38	556
BECKER	6	26760	15732	1795	109	14137	5619	49	2780	2485	3175	833	84	580
POLK	10	48653	28618	2662	682	25923	6220	161	9891	4169	5183	1616	162	1037
CLAY	8	55471	31889	2634	284	34385	11305	338	7870	7014	7793	2150	199	1291
OTTERTAIL	15	60706	33431	4313	481	28699	10858	433	6967	5148	4888	1779	156	1203
STEELE	3	8287	4179	725	35	4256	1425	0	2410	102	307	258	4	155
RANSOM	3	15768	9907	1227	10	8065	2249	139	3763	776	1038	503	29	343
NELSON	5	16888	9121	1436	10	5778	2572	5	2331	434	430	328	19	347
TRAILL	5	17490	8893	1185	15	7269	2765	0	2962	270	1190	446	53	382
EDDY-FOSTR	4	18466	9232	1398	120	11563	2234	156	6609	1482	1063	721	27	304
BEN-TOWNER	4	19078	8572	1649	5	8650	2833	0	3832	917	1011	563	17	310
RAMSEY	3	23442	12041	776	6	9666	4635	167	2313	1452	1085	575	54	421
CAVL-PEMB	7	30707	13149	2757	214	14219	3526	148	7076	1559	1792	921	50	469
RLAND-SGNT	7	34759	18492	1387	62	18788	4629	45	9212	1392	3401	1167	102	717
WALSH	6	41167	23765	2423	10	19582	7498	0	6386	3017	2617	1158	119	923
GRAND FORK	6	80472	42080	4845	2748	48135	11738	1500	9285	12054	13011	3085	325	1665
CASS	15	165638	85344	10332	6701	96876	26982	2077	18171	26286	21627	6003	474	3425
TOTAL	152	824278	442963	54426	12747	428963	124515	5378	131631	77593	85398	27014	2198	16771
***** RAINY COUNTIES														
COOK-LAKE	4	15617	9192	1134	11	7297	4412	5	0	782	2091	472	82	281
KOCH-L WDS	5	22032	12422	867	119	9476	4532	136	816	1726	2239	577	60	403
ST. L-DUL	21	144988	93869	9015	608	67344	35504	1723	387	11373	18110	4084	338	3218
TOTAL	30	182637	115483	11016	738	84117	44448	1864	1203	13881	22440	5133	480	3902

TABLE A-14 SUMMARY RATIOS BASED ON THE 1966 CALL, INCOME AND DIVIDEND REPORTS
FOR SOURIS-RED-RAINY COUNTIES (UNITS IN PERCENT)

COUNTY	RN	LOAN CATEGORIES AS PERCENT OF TOTAL LOANS							CORRESPONDENT BALANCE RATIO	LOAN INTEREST RATE	TIME DEPOSIT RATE	DEMAND DEPOSIT CHARGES	DEPOSIT INTEREST RATE
		LOAN TO DEPOSITS	TIME DEPOSITS	REAL ESTATE	FINANCIAL BUSINESS	FARMERS	INDUSTRY	INDIVIDUAL					
***** SOURIS COUNTIES													
BURK-DIVID	4	39.038	38.849	25.531	0.000	48.560	8.894	16.763	1.998	6.428	3.293	.345	1.068
BOTT-MCHEN	5	32.230	32.033	40.845	0.000	35.123	14.507	8.962	.459	6.464	3.552	.069	1.091
PIRC-ROLTT	5	37.723	46.708	27.008	0.000	41.852	11.606	19.371	.681	6.209	3.525	.156	1.563
RNVIL-WARD	6	58.050	48.174	29.959	1.484	18.035	25.233	25.187	23.493	6.316	3.979	.875	1.463
MEANS =		41.760	41.441	30.836	.371	35.892	15.060	17.571	6.658	6.354	3.587	.361	1.296
SIGMA =		11.253	7.490	6.922	.742	13.108	7.159	6.733	11.244	.115	.286	.361	.254
***** RED COUNTIES													
CLEARWATER	3	40.095	59.852	17.398	0.000	33.589	15.928	32.975	17.231	7.021	3.395	.394	1.874
TRAVERSE	3	42.550	57.012	24.023	.422	41.787	11.800	19.839	0.000	6.790	3.767	.454	1.952
GRANT	7	54.760	60.289	20.675	.532	56.438	11.353	9.515	0.000	6.251	3.404	.367	1.907
MARSHALL	7	41.176	51.209	14.915	0.000	71.614	2.804	10.070	4.206	6.920	3.607	.503	1.602
BELTRAMI	5	47.498	54.441	42.630	.009	9.069	15.767	31.815	7.248	7.093	3.960	.723	1.826
MAHN-NRM	9	37.797	56.595	19.469	.308	54.155	9.756	14.442	1.156	6.642	3.577	.389	1.856
KITT-ROSU	6	48.188	50.568	19.972	.106	41.312	13.148	23.929	15.299	6.832	3.357	.399	1.500
PEN-R LAKE	5	49.861	55.944	24.344	.376	30.988	16.340	27.569	23.506	6.419	3.725	.323	1.941
BECKER	6	52.829	58.789	39.747	.347	19.665	17.578	22.459	6.072	5.892	3.687	.762	1.854
POLK	10	53.281	58.821	23.994	.621	38.155	16.082	19.994	25.620	6.234	3.624	.809	1.798
CLAY	8	61.987	57.488	32.878	.983	22.888	20.398	22.664	10.782	6.253	4.048	.844	1.969
OTTERTAIL	15	47.275	55.070	37.834	1.509	24.276	17.938	17.032	11.152	6.199	3.598	.572	1.725
STEELE	3	51.358	50.428	33.482	0.000	56.626	2.397	7.213	4.828	6.062	3.709	.097	1.822
RANSOM	3	51.148	62.830	27.886	1.723	46.658	9.622	12.870	.815	6.237	3.462	.495	1.991
NELSON	5	34.214	54.009	44.514	.087	40.343	7.511	7.442	.696	5.677	3.804	.245	1.942
TRAILL	5	41.561	50.846	38.038	0.000	40.748	3.714	16.371	1.266	6.136	4.296	.616	1.881
EDDY-FOSTR	4	62.618	49.995	19.320	1.349	57.156	12.817	9.193	8.584	6.235	3.293	.292	1.500
BEN-TOWNER	4	45.340	44.931	32.751	0.000	44.301	10.601	11.688	.303	6.509	3.616	.162	1.536
RAMSEY	3	41.234	51.365	47.952	1.728	23.929	15.022	11.225	.773	5.949	3.496	.474	1.566
CAVL-PEMB	7	46.305	42.821	24.798	1.041	49.764	10.964	12.603	7.762	6.477	3.567	.285	1.365
RLAND-SGNT	7	54.052	53.201	24.638	.240	49.031	7.409	18.102	4.470	6.211	3.877	.627	1.769
WALSH	6	47.567	57.728	38.290	0.000	32.612	15.407	13.364	.413	5.914	3.884	.684	1.953
GRAND FORK	6	59.816	52.291	24.386	3.116	19.289	25.042	27.030	56.718	6.409	3.957	.847	1.665
CASS	15	58.487	51.524	27.852	2.144	18.757	27.134	22.324	64.857	6.197	4.013	.590	1.782
MEANS =		48.792	54.085	29.241	.693	38.465	13.189	17.572	11.407	6.357	3.697	.498	1.774
SIGMA =		7.613	4.786	9.314	.838	15.406	6.223	7.535	16.902	.370	.248	.213	.178
***** RAINY COUNTIES													
COOK-LAKE	4	46.725	58.859	60.463	.069	0.000	10.717	28.656	.970	6.468	3.057	1.276	1.274
KOCH-L WDS	5	43.010	56.382	47.826	1.435	8.611	18.214	23.628	13.725	6.089	3.244	.624	1.557
ST. L-DUL	21	46.448	64.743	52.720	2.559	.575	16.888	26.892	6.744	6.064	3.428	.661	1.986
MEANS =		45.394	59.994	53.670	1.354	3.062	15.273	26.392	7.147	6.207	3.243	.854	1.606
SIGMA =		2.069	4.295	6.372	1.247	4.814	4.001	2.551	6.387	.226	.186	.366	.359

TABLE A-15 SUMMARY OF 1967 CALL, INCOME AND DIVIDEND REPORTS FOR SOURIS-RED-RAINY COUNTIES
RANKED BY SIZE OF TOTAL DEPOSITS (UNITS IN THOUSANDS OF DOLLARS)

COUNTY	NO. OF BANKS	DEPOSITS				LOANS						INTEREST AND CHARGES		
		TOTAL	TIME	WITH OTHER	FROM OTHER	TOTAL	REAL ESTATE	FINANCIAL	FARM	COMMER- CIAL	INDIV- UAL	ON LOANS	DEMAND DEPOSITS	TIME DEPOSITS
***** SOURIS COUNTIES														
BURK-DIVID	4	14963	6244	1004	27	6379	2278	10	2394	627	1061	357	30	245
BOTT-MCHEN	5	20395	7672	1109	0	7596	3305	0	2788	737	720	403	9	273
PIRC-ROLY	5	25756	13218	1803	206	11959	3123	0	5007	1664	2151	654	74	458
RNVIL-WARD	6	95106	51284	4702	1132	53349	15613	620	8664	14790	13539	3468	377	2060
TOTAL	20	156220	78418	8618	1365	79283	24319	630	18853	17818	17471	4882	440	3036
***** RED COUNTIES														
CLEARWATER	3	11424	7026	828	72	5189	801	0	1713	800	1860	384	19	266
TRAVERSE	3	13590	7640	687	0	6318	1438	23	3338	473	950	412	29	315
GRANT	7	16236	9803	1020	0	8820	1766	43	4787	1171	906	582	21	387
MARSHALL	7	21525	11296	2000	21	9441	1476	0	6519	380	970	661	49	426
BELTRAMI	5	26804	15226	926	75	13086	5224	1	1110	2315	4308	906	91	569
MAHN-NRM	9	26931	15081	1736	26	11035	2408	0	5609	1120	1470	704	55	596
KITT-ROSU	6	27605	14099	2222	265	13105	2682	9	5339	1998	2705	921	59	517
BECKER	6	29187	18012	1287	101	15787	6643	48	2830	2729	3494	1007	87	683
PEN-R LAKE	5	29799	16069	2358	563	15248	3825	50	4651	2337	4332	985	50	649
POLK	10	54509	31637	3239	673	27653	6727	67	10048	4635	5973	1885	168	1220
OTTERTAIL	15	65431	36643	3682	512	31878	11663	336	7861	5493	6039	2024	161	1386
CLAY	8	66484	39865	4096	231	37114	12086	210	8396	7523	8608	2419	255	1571
STEELE	3	8969	4807	743	31	4319	1508	0	2425	95	271	275	4	181
NELSON	5	17266	9685	1532	5	7061	3219	0	2710	649	470	380	19	395
RANSOM	3	17391	11117	1133	40	8903	2414	100	4274	1015	1046	571	33	453
TRAIL	5	18999	9689	1232	5	8829	3181	0	3834	365	1292	528	54	405
EDDY-FOSTR	4	19179	10346	1743	168	12499	2594	643	6885	1329	1037	803	24	410
BEN-TOWNER	5	20869	9766	1624	5	10249	3241	6	4856	820	1244	595	16	382
RAMSEY	3	24694	13501	831	27	10586	5195	250	2213	1623	1280	630	57	499
CAVL-PEMB	7	33044	15005	2689	209	15634	3913	0	7701	1763	2082	1010	50	583
RLAND-SGNT	7	40315	20892	1885	100	21425	5507	65	9502	2141	4123	1357	108	853
WALSH	6	43487	25922	2230	38	21964	8476	0	7017	3551	2701	1340	130	1123
GRAND FORK	6	87079	47620	5310	2289	48741	11924	1190	8687	13534	12908	3323	376	1899
CASS	15	184133	100579	12599	7299	105624	29950	1974	17796	30760	23203	6795	528	3946
TOTAL	153	904950	501326	57632	12755	470508	137861	5015	140101	88619	93272	30497	2443	19714
***** RAINY COUNTIES														
COOK-LAKE	4	16906	10200	1144	25	7929	4692	5	0	887	2339	534	91	351
KOCH-L WDS	5	24390	14587	974	87	11067	5239	170	783	2149	2707	753	64	558
ST. L-DUL	21	156817	107043	8806	498	75159	39544	1288	379	14525	19149	4677	369	4063
TOTAL	30	198113	131830	10924	610	94155	49475	1463	1162	17561	24195	5964	524	4972

TABLE A-16 SUMMARY RATIOS BASED ON THE 1967 CALL, INCOME AND DIVIDEND REPORTS
FOR SOURIS-RED-RAINY COUNTIES (UNITS IN PERCENT)

COUNTY	RN	LOAN CATEGORIES AS PERCENT OF TOTAL LOANS							CORRESPONDENT BALANCE RATIO	LOAN INTEREST RATE	TIME DEPOSIT RATE	DEMAND DEPOSIT CHARGES	DEPOSIT INTEREST RATE
		LOAN TO DEPOSITS	TIME DEPOSITS	REAL ESTATE	FINANCIAL BUSINESS	FARMERS	INDUSTRY	INDIVIDUAL					
***** SOURIS		COUNTIES											
BURK-DIVID	4	42.632	41.730	35.711	.157	37.529	9.829	16.633	2.689	5.596	3.924	.344	1.437
BOTT-MCHEN	5	37.244	37.617	43.510	0.000	36.704	9.702	9.479	0.000	5.305	3.558	.071	1.294
PIRC-ROLTT	5	46.432	51.320	26.114	0.000	41.868	13.914	17.986	11.425	5.469	3.465	.191	1.685
RNVIL-WARD	6	56.094	53.923	29.266	1.162	16.240	27.723	25.378	24.075	6.501	4.017	.860	1.770
MEANS =		45.601	46.147	33.650	.330	33.085	15.292	17.369	9.547	5.718	3.741	.367	1.546
SIGMA =		7.947	7.735	7.691	.560	11.456	8.515	6.515	10.844	.535	.270	.348	.219
***** RED		COUNTIES											
CLEARWATER	3	45.422	61.502	15.437	0.000	33.012	15.417	35.845	8.696	7.400	3.786	.432	2.142
TRAVERSE	3	46.490	56.218	22.760	.364	52.833	7.487	15.036	0.000	6.521	4.123	.487	2.104
GRANT	7	54.324	60.378	20.023	.488	54.274	13.277	10.272	0.000	6.599	3.948	.326	2.254
MARSHALL	7	43.861	52.479	15.634	0.000	69.050	4.025	10.274	1.050	7.001	3.771	.479	1.751
BELTRAMI	5	48.821	56.805	39.921	.008	8.482	17.691	32.921	8.099	6.923	3.737	.786	1.783
MAHN-NRM	9	40.975	55.999	21.821	0.000	50.829	10.150	13.321	1.498	6.380	3.952	.464	2.009
KITT-ROSU	6	47.473	51.074	20.465	.069	40.740	15.246	20.641	11.926	7.028	3.667	.437	1.659
BECKER	6	54.089	61.712	42.079	.304	17.926	17.286	22.132	7.848	6.379	3.792	.779	2.042
PEN-R LAKE	5	51.170	53.925	25.085	.328	30.502	15.327	28.410	23.876	6.460	4.039	.364	2.010
POLK	10	50.731	58.040	24.326	.242	36.336	16.761	21.600	20.778	6.817	3.856	.735	1.930
OTTERTAIL	15	48.720	56.003	36.586	1.054	24.660	17.231	18.944	13.905	6.349	3.782	.559	1.872
CLAY	8	55.824	59.962	32.565	.566	22.622	20.270	23.193	5.640	6.518	3.941	.958	1.979
STEELE	3	48.155	53.596	34.915	0.000	56.147	2.200	6.275	4.172	6.367	3.765	.096	1.973
NELSON	5	40.895	56.093	45.588	0.000	38.380	9.191	6.656	.326	5.382	4.078	.251	2.178
RANSOM	3	51.193	63.924	27.114	1.123	48.006	11.401	11.749	3.530	6.414	4.075	.526	2.415
TRAILL	5	46.471	50.997	36.029	0.000	43.425	4.134	14.634	.406	5.980	4.180	.580	1.847
EDDY-FOSTR	4	65.170	53.944	20.754	5.144	55.084	10.633	8.297	9.639	6.425	3.963	.272	2.013
BEN-TOWNER	5	49.111	46.797	31.623	.059	47.380	8.001	12.138	.308	5.805	3.912	.144	1.754
RAMSEY	3	42.869	54.673	49.074	2.362	20.905	15.332	12.091	3.249	5.951	3.696	.509	1.790
CAVL-PEMB	7	47.313	45.409	25.029	0.000	49.258	11.277	13.317	7.772	6.460	3.885	.277	1.613
RLAND-SGNT	7	53.144	51.822	25.704	.303	44.350	9.993	19.244	5.305	6.334	4.083	.556	1.848
WALSH	6	50.507	59.609	38.590	0.000	31.948	16.167	12.297	1.704	6.101	4.332	.740	2.283
GRAND FORK	6	55.973	54.686	24.464	2.441	17.823	27.767	26.483	43.107	6.818	3.988	.953	1.749
CASS	15	57.363	54.623	28.355	1.869	16.848	29.122	21.968	57.933	6.433	3.923	.632	1.856
MEANS =		49.836	55.428	29.331	.697	37.951	13.558	17.406	10.032	6.452	3.928	.514	1.953
SIGMA =		5.601	4.503	9.284	1.203	15.580	6.599	8.021	14.142	.430	.165	.231	.205
***** RAINY		COUNTIES											
COOK-LAKE	4	46.901	60.334	59.175	.063	0.000	11.187	29.499	2.185	6.735	3.441	1.357	1.538
KOCH-L WDS	5	45.375	59.807	47.339	1.536	7.075	19.418	24.460	8.932	6.804	3.825	.653	2.025
ST. L-DUL	21	47.928	68.260	52.614	1.714	.504	19.326	25.478	5.655	6.223	3.796	.741	2.356
MEANS =		46.735	62.800	53.043	1.104	2.526	16.644	26.479	5.591	6.587	3.687	.917	1.973
SIGMA =		1.284	4.735	5.930	.906	3.947	4.726	2.665	3.374	.317	.214	.384	.411

TABLE A-17. SUMMARY OF 1968 CALL, INCOME AND DIVIDEND REPORTS FOR SOURIS-RED-RAINY COUNTIES
RANKED BY SIZE OF TOTAL DEPOSITS (UNITS IN THOUSANDS OF DOLLARS)

COUNTY	NO. OF BANKS	DEPOSITS				LOANS						INTEREST AND CHARGES		
		TOTAL	TIME	WITH OTHER	FROM OTHER	TOTAL	REAL ESTATE	FINANCIAL	FARM	COMMERCIAL	INDIVIDUAL	ON LOANS	DEMAND DEPOSITS	TIME DEPOSITS
***** SOURIS COUNTIES														
BURK-DIVID	4	15864	6886	1063	178	6946	2339	0	2711	552	1311	414	33	294
BOTT-MCHEN	5	22332	9191	1133	0	8636	3832	0	2590	1110	1026	503	8	355
PIRC-ROLTT	5	30020	15772	2108	233	14001	2901	0	6403	1938	2742	858	24	635
RNVIL-WARD	6	107053	59672	4647	1362	61066	18558	771	9999	16418	15053	3998	344	2671
TOTAL	20	175269	91521	8951	1773	90649	27630	771	21703	20018	20132	5773	409	3955
***** RED COUNTIES														
CLEARWATER	3	12786	7574	680	56	5576	893	0	1746	935	1987	427	18	296
TRAVERSE	3	14999	8798	541	100	6175	1532	235	3062	487	994	417	42	405
GRANT	7	17824	11283	830	0	9229	1899	44	4960	1106	1064	641	25	422
MARSHALL	7	23500	12380	1992	24	9576	1430	0	6424	413	1130	745	52	517
MAHN-NRM	9	30258	17861	1973	22	11794	3081	0	5271	1414	1883	802	58	678
BELTRAMI	5	31705	17926	725	53	15041	6195	0	1118	2364	5289	1010	104	730
BECKER	6	32150	19950	1817	92	18146	7445	163	3086	3283	4085	1180	99	808
KITT-ROSU	6	32320	16883	1874	243	14791	2619	8	6184	2418	3201	1112	68	640
PEN-R LAKE	5	34864	19542	3444	507	16631	4447	0	4920	2407	4771	1155	66	826
POLK	10	58735	34630	2964	533	30315	7069	7	10448	5376	7100	2119	184	1438
OTTERTAIL	15	70961	41283	4746	378	35126	13271	356	7944	7185	5928	2276	169	1625
CLAY	8	74186	46632	3442	172	43538	15271	268	8249	8871	10356	2804	285	1979
STEELE	3	9703	5223	927	136	4190	1639	0	2020	205	290	303	5	209
NELSON	5	19619	11283	1694	55	7268	3206	0	2686	843	500	462	24	454
RANSOM	3	19729	12909	1637	219	9557	2440	90	4189	1388	1398	661	39	543
EDDY-FOSTR	4	21801	12369	1633	42	13349	2914	271	7515	1367	1264	951	25	501
TRAILL	5	21870	11645	1417	5	9538	3703	0	3127	1112	1494	609	59	498
BEN-TOWNER	5	23546	12202	1763	8	11106	3723	0	4735	1148	1444	727	18	480
RAMSEY	3	27510	15112	662	5	13126	6164	222	2380	2217	2080	761	53	589
CAVL-PEMB	7	37445	17841	3614	209	17222	4780	0	7944	1877	2389	1182	55	750
RLAND-SGNT	7	42534	24461	2102	161	24143	6540	28	10035	2961	4510	1607	115	1043
WALSH	6	48382	28709	2736	11	24140	9038	0	7677	3873	3413	1603	131	1263
GRAND FORK	6	95447	53595	5887	2562	51479	13418	1300	8912	13285	13878	3524	390	2324
CASS	15	206501	118473	13144	7230	119981	38066	1526	17233	34838	26110	7860	585	5142
TOTAL	153	1008375	578564	62244	12823	521037	160783	4518	141865	101373	106558	34938	2669	24160
***** RAINY COUNTIES														
COOK-LAKE	4	18711	11485	1072	15	8576	4946	0	14	994	2617	591	97	422
KOCH-L WDS	5	27066	16918	969	100	12010	5597	158	790	2330	3107	835	70	694
ST. L-DUL	21	171753	388	117998	9963	86953	47337	1310	360	16175	21349	5497	287	4784
TOTAL	30	217530	28791	120039	10078	107539	57880	1468	1164	19499	27073	6923	454	5900

TABLE A-18-SUMMARY RATIOS BASED ON THE 1968 CALL, INCOME AND DIVIDEND REPORTS
FOR SOURIS-RED-RAINY COUNTIES (UNITS IN PERCENT)

COUNTY	BN	LOAN CATEGORIES AS PERCENT OF TOTAL LOANS							CORRESPONDENT BALANCE RATIO	LOAN INTEREST RATE	TIME DEPOSIT RATE	DEMAND DEPOSIT CHARGES	DEPOSIT INTEREST RATE
		LOAN TO DEPOSITS	TIME DEPOSITS	REAL ESTATE	FINANCIAL BUSINESS	FARMERS	INDUSTRY	INDIVIDUAL					
***** SOURIS COUNTIES													
BURK-DIVID	4	43.785	43.406	33.674	0.000	39.030	7.947	18.874	16.745	5.960	4.270	.368	1.645
BOTT-MCHEN	5	38.671	41.156	44.372	0.000	29.991	12.853	11.881	0.000	5.824	3.862	.061	1.554
PIRC-ROLYT	5	46.639	52.538	20.720	0.000	45.732	13.842	19.584	11.053	6.128	4.026	.168	2.035
RNVIL-WARD	6	57.043	55.741	30.390	1.263	16.374	26.886	24.650	29.309	6.547	4.476	.726	2.174
MEANS =		46.534	48.210	32.289	.316	32.782	15.382	18.747	14.277	6.115	4.159	.331	1.852
SIGMA =		7.742	7.030	9.753	.631	12.699	8.091	5.251	12.197	.314	.270	.293	.299
***** RED COUNTIES													
CLEARWATER	3	43.610	59.237	16.015	0.000	31.313	16.768	35.635	8.235	7.658	3.908	.345	2.174
TRAVERSE	3	41.169	58.657	24.810	3.806	49.587	7.887	16.097	18.484	6.753	4.603	.677	2.420
GRANT	7	51.779	63.302	20.576	.477	53.744	11.984	11.529	0.000	6.945	3.740	.382	2.227
MARSHALL	7	40.749	52.681	14.933	0.000	67.084	4.313	11.800	1.205	7.780	4.176	.468	1.979
MAHN-NRM	9	38.978	59.029	26.123	0.000	44.692	11.989	15.966	1.115	6.800	3.796	.468	2.049
BELTRAMI	5	47.440	56.540	41.187	0.000	7.433	15.717	35.164	7.310	6.715	4.072	.755	1.974
BECKER	6	56.442	62.053	41.028	.898	17.007	18.092	22.512	5.063	6.503	4.050	.811	2.205
KITT-ROSU	6	45.764	52.237	17.707	.054	41.809	16.348	21.642	12.967	7.518	3.791	.441	1.770
PEN-R LAKE	5	47.703	56.052	26.739	0.000	29.583	14.473	28.687	14.721	6.945	4.227	.431	2.180
POLK	10	51.613	58.960	23.318	.023	34.465	17.734	23.421	17.982	6.990	4.152	.763	2.135
OTTERTAIL	15	49.500	58.177	37.781	1.013	22.616	20.455	16.876	7.965	6.480	3.936	.569	2.052
CLAY	8	58.688	62.858	35.075	.616	18.947	20.375	23.786	4.997	6.440	4.244	1.034	2.283
STEELE	3	43.183	53.829	39.117	0.000	48.210	4.893	6.921	14.671	7.232	4.002	.112	2.102
NELSON	5	37.046	57.511	44.111	0.000	36.957	11.599	6.879	3.247	6.357	4.024	.288	2.192
RANSOM	3	48.441	65.432	25.531	.942	43.832	14.523	14.628	13.378	6.916	4.206	.572	2.555
EDDY-FOSTR	4	61.231	56.736	21.829	2.030	56.296	10.240	9.469	2.572	7.124	4.050	.265	2.183
TRAILL	5	43.612	53.246	38.824	0.000	32.785	11.659	15.664	.353	6.385	4.277	.577	2.007
BEN-TOWNER	5	47.167	51.822	33.522	0.000	42.635	10.337	13.002	.454	6.546	3.934	.159	1.962
RAMSEY	3	47.714	54.933	46.960	1.691	18.132	16.890	15.846	.755	5.798	3.898	.427	1.948
CAVL-PEMB	7	45.993	47.646	27.755	0.000	46.127	10.899	13.872	5.783	6.863	4.204	.281	1.856
RLAND-SGNT	7	56.762	57.509	27.089	.116	41.565	12.264	18.680	7.659	6.656	4.264	.636	2.182
WALSH	6	49.895	59.338	37.440	0.000	31.802	16.044	14.138	.402	6.640	4.399	.666	2.340
GRAND FORK	6	53.935	56.152	26.065	2.525	17.312	25.807	26.959	43.520	6.846	4.336	.932	2.026
CASS	15	58.102	57.372	31.727	1.272	14.363	29.036	21.762	55.006	6.551	4.340	.665	2.207
MEANS =		48.605	57.138	30.219	.644	35.346	14.597	18.372	10.327	6.810	4.110	.530	2.125
SIGMA =		6.500	4.061	9.151	.997	15.097	5.796	7.787	13.437	.441	.214	.235	.177
***** RAINY COUNTIES													
COOK-LAKE	4	45.834	61.381	57.673	0.000	.163	11.590	30.515	1.399	6.891	3.674	1.342	1.737
KOCH-L WDS	5	44.373	62.506	46.603	1.316	6.578	19.400	25.870	10.320	6.953	4.102	.690	2.305
ST. L-DUL	21	50.627	.226	54.440	1.507	.414	18.602	24.552	8.443	6.322	*32.990	.167	2.618
MEANS =		46.945	41.371	52.905	.941	2.385	16.531	26.979	6.721	6.722	413.589	.733	2.220
SIGMA =		3.271	35.637	5.692	.820	3.633	4.297	3.132	4.703	.348	709.622	.589	.447

TABLE A-19 SUMMARY OF 1969 CALL, INCOME AND DIVIDEND REPORTS FOR SOURIS-RED-RAINY COUNTIES
RANKED BY SIZE OF TOTAL DEPOSITS (UNITS IN THOUSANDS OF DOLLARS)

COUNTY	NO. OF BANKS	DEPOSITS				LOANS						INTEREST AND CHARGES		
		TOTAL	TIME	WITH OTHER	FROM OTHER	TOTAL	REAL ESTATE	FINAN- CIAL	FARM	COMMER- CIAL	INDIV- UAL	ON LOANS	DEMAND DEPOSITS	TIME DEPOSITS
***** SOURIS COUNTIES														
BURK-DIVID	4	16476	7486	875	188	7136	2418	0	2817	522	1276	469	53	337
BOTT-MCHEN	5	24087	11052	1226	0	9621	4403	200	2780	986	1211	588	8	443
PIRC-ROLTT	5	32910	18358	1896	344	17420	3675	0	7413	2993	3139	1217	26	860
RNVIL-WARD	6	111806	63324	4425	1006	66234	20970	340	10753	18866	15099	4596	345	3027
TOTAL	20	185279	100220	8422	1538	100411	31466	540	23763	23367	20725	6870	432	4667
***** RED COUNTIES														
CLEARWATER	3	14115	8728	719	34	6513	1120	0	2342	943	2091	494	34	363
TRAVERSE	3	16211	10207	891	100	7753	2010	0	3642	648	1378	456	40	448
GRANT	7	19271	12658	1212	0	10008	2147	140	5266	1214	1101	664	31	559
MARSHALL	7	25920	13424	2443	0	10960	1659	0	6524	765	1794	783	59	608
MAHN-NRM	9	31722	19588	2403	18	14597	3578	38	6147	2367	2306	959	60	850
KITT-ROSU	6	33940	18904	1794	176	18515	3366	903	7093	2702	4252	1189	74	815
BECKER	6	34016	21901	1461	118	20847	7604	219	3823	4278	4767	1382	107	947
BELTRAMI	5	34149	19971	908	66	16406	6885	113	1257	1976	6100	1125	103	876
PEN-R LAKE	5	40054	21335	2987	663	21178	5806	197	5553	3203	6322	1363	112	985
POLK	10	64936	39502	4729	395	34152	7672	208	11904	5899	7992	2382	197	1729
CLAY	8	76874	48965	2693	217	48389	16847	308	8943	10408	11434	3414	294	2250
OTTERTAIL	15	79241	46301	3843	310	38448	14562	302	8477	7384	7137	2581	183	1994
STEELE	3	10233	5811	683	154	5222	1598	50	2712	529	313	331	5	247
NELSON	5	20586	12529	1110	55	7708	3447	0	2663	969	619	510	23	558
RANSOM	3	21694	14448	1224	131	11489	2413	273	4834	2363	1549	748	38	652
TRAILL	5	22987	13083	967	5	11260	4385	0	3529	1408	1722	728	58	591
EDDY-FOSTR	4	23935	13925	1535	150	14716	3385	198	7602	1776	1742	1004	10	614
BEN-TOWNER	5	26360	14363	1214	8	14019	4406	9	5982	1813	1640	857	20	618
RAMSEY	3	29327	16509	1231	5	16027	7497	227	2964	2654	2617	947	52	711
CAVL-PEMB	7	39373	19738	2422	214	19811	5366	599	8444	2166	2943	1272	61	885
RLAND-SGNT	7	45855	27230	1698	153	26014	6790	36	10261	3571	5258	1808	119	1224
WALSH	6	50988	31364	2058	32	27043	9848	50	8285	4888	3504	1876	144	1456
GRAND FORK	6	100054	55717	7265	2396	56850	14886	875	9620	15121	15007	3965	406	2547
CASS	15	207869	120008	12186	6486	131746	42094	2379	16948	37538	30339	9093	553	5717
TOTAL	153	1069710	626209	59676	11886	589671	179371	7124	154815	116583	123927	39931	2783	28244
***** RAINY COUNTIES														
COOK-LAKE	4	19859	12405	650	5	9373	5066	8	0	1238	3054	655	100	472
KOCH-L WDS	5	29255	16465	1231	162	13778	5943	240	721	3194	3628	966	81	805
ST. L-DUL	21	181093	125976	7892	415	101051	52867	1973	310	20708	24879	7053	412	5627
TOTAL	30	230207	154846	9773	582	124202	63876	2221	1031	25140	31561	8674	593	6904

TABLE A-20 SUMMARY RATIOS BASED ON THE 1949 CALL, INCOME AND DIVIDEND REPORTS
FOR SOURIS-RED-RAINY COUNTIES (UNITS IN PERCENT)

COUNTY	RN	LOAN CATEGORIES AS PERCENT OF TOTAL LOANS							CORRESPONDENT BALANCE RATIO	LOAN INTEREST RATE	TIME DEPOSIT RATE	DEMAND DEPOSIT CHARGES	DEPOSIT INTEREST RATE
		LOAN TO DEPOSITS	TIME DEPOSITS	REAL ESTATE	FINANCIAL BUSINESS	FARMERS	INDUSTRY	INDIVIDUAL					
***** SOURIS COUNTIES													
BURK-DIVID	4	43.311	45.436	33.885	0.000	39.476	7.315	17.8A1	21.486	6.572	4.502	.590	1.724
BOTT-MCHEN	5	39.943	45.884	45.764	2.079	28.895	10.248	12.587	0.000	6.112	4.008	.061	1.806
PIRC-RÖLTT	5	52.932	55.782	21.096	0.000	42.555	17.181	18.020	18.143	6.9A6	4.685	.179	2.534
RNVIL-WARD	6	59.240	56.637	31.660	.513	16.235	28.484	22.796	22.734	6.939	4.780	.712	2.399
MEANS =		48.857	50.935	33.101	.648	31.790	15.807	17.821	15.591	6.652	4.494	.385	2.116
SIGMA =		8.844	6.104	10.119	.984	11.906	9.409	4.171	10.573	.405	.344	.314	.410
***** RED COUNTIES													
CLEARWATER	3	46.142	61.835	17.196	0.000	35.959	14.479	32.105	4.729	7.585	4.159	.631	2.331
TRAVERSE	3	47.826	62.963	25.925	0.000	46.975	8.358	17.774	11.223	5.8A2	4.389	.666	2.517
GRANT	7	51.933	65.684	21.453	1.399	52.618	12.130	11.001	0.000	6.635	4.416	.469	2.740
MARSHALL	7	42.284	51.790	15.137	0.000	59.526	6.980	16.369	0.000	7.144	4.529	.472	2.118
MAHN-NRM	9	46.015	61.749	24.512	.260	42.111	16.216	15.798	.749	6.570	4.339	.494	2.490
KITT-ROSU	6	54.552	55.698	18.180	4.877	38.309	14.594	22.965	9.810	6.422	4.311	.492	2.183
BECKER	6	61.286	64.384	36.475	1.051	18.338	20.521	22.867	8.077	6.629	4.324	.883	2.469
BELTRAMI	5	48.042	58.482	41.966	.689	7.662	12.044	37.182	7.269	6.857	4.386	.726	2.264
PEN-R LAKE	5	52.874	53.266	27.415	.930	26.221	15.124	29.852	22.196	6.436	4.617	.598	2.180
POLK	10	52.593	60.432	22.464	.609	34.856	17.273	23.401	8.353	6.975	4.377	.775	2.359
CLAY	8	62.946	63.695	34.816	.637	18.481	21.509	23.629	8.058	7.055	4.595	1.053	2.544
OTTERTAIL	15	48.520	58.431	37.875	.785	22.048	19.205	18.563	8.067	6.713	4.307	.556	2.285
STEELE	3	51.031	56.787	30.601	.957	51.934	10.130	5.994	22.548	6.339	4.251	.113	2.365
NELSON	5	37.443	60.862	44.720	0.000	34.549	12.571	8.031	4.955	6.617	4.454	.285	2.599
RANSOM	3	52.959	66.599	21.003	2.376	42.075	20.567	13.482	10.703	6.511	4.513	.524	2.830
TRAILL	5	48.984	56.915	38.943	0.000	31.341	12.504	15.293	.517	6.465	4.517	.586	2.319
EDDY-FOSTR	4	61.483	58.178	23.002	1.345	51.658	12.068	11.837	9.772	6.823	4.409	.100	2.524
BEN-TOWNER	5	53.183	54.488	31.429	.064	42.671	12.932	11.698	.659	6.113	4.303	.167	2.269
RAMSEY	3	54.649	56.293	46.777	1.416	18.494	16.560	16.329	.406	5.909	4.307	.406	2.247
CAVL-PEMB	7	50.316	50.131	27.086	3.024	42.623	10.933	14.855	8.836	6.421	4.484	.311	2.093
RLAND-SGNT	7	56.731	59.383	26.101	.138	39.444	13.727	20.212	9.011	6.950	4.495	.639	2.410
WALSH	6	53.038	61.513	36.416	.185	30.636	18.075	12.957	1.555	6.937	4.642	.734	2.573
GRAND FORK	6	56.819	55.687	26.185	1.539	16.922	26.598	26.398	32.980	6.974	4.571	.916	2.140
CASS	15	63.379	57.733	31.951	1.806	12.864	28.493	23.028	53.225	6.902	4.764	.629	2.484
MEANS =		52.293	58.891	29.485	1.004	34.096	15.566	18.817	10.154	6.661	4.436	.551	2.389
SIGMA =		6.330	4.288	8.761	1.155	14.009	5.282	7.647	12.171	.392	.142	.243	.193
***** RAINY COUNTIES													
COOK-LAKE	4	47.198	62.465	54.049	.085	0.000	13.208	32.583	.769	6.988	3.805	1.342	1.873
KOCH-L WDS	5	47.096	56.281	43.134	1.742	5.233	23.182	26.332	13.160	7.011	4.889	.633	2.475
ST. L-DUL	21	55.801	69.564	52.317	1.952	.307	20.493	24.620	5.258	6.980	4.467	.748	2.880
MEANS =		50.032	62.770	49.833	1.260	1.847	18.961	27.845	6.396	6.993	4.387	.907	2.409
SIGMA =		4.996	6.647	5.866	1.023	2.937	5.160	4.191	6.273	.016	.547	.380	.506