

Canadian Labour Force Survey

August, 1974



Household Surveys Development Staff **Labour Force Survey Division Field Division**





Statistics Canada

Statistique Canada



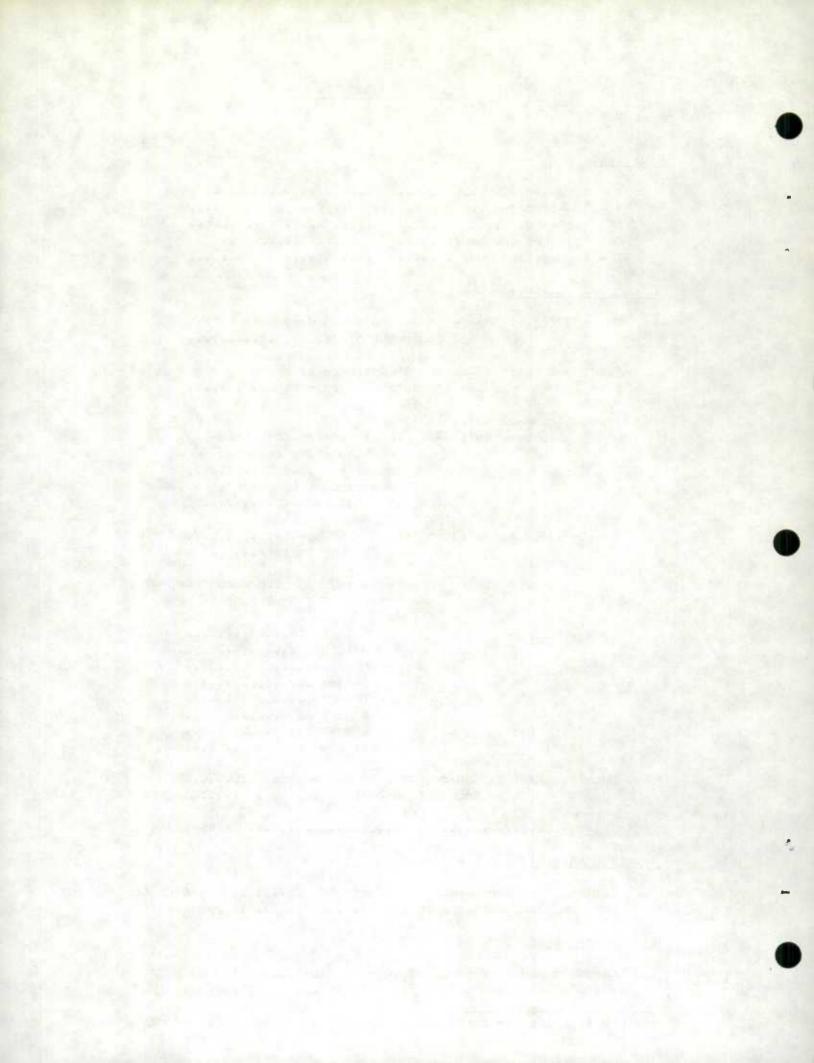
Labour Force Libour



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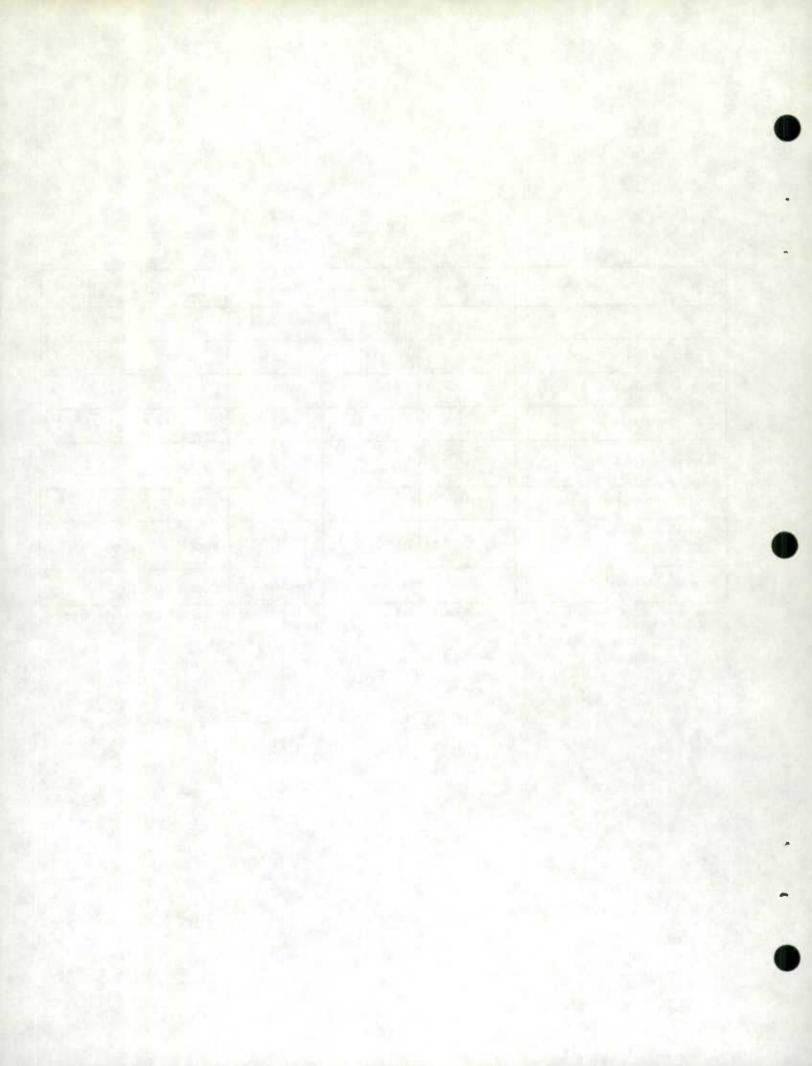
⁽¹⁾ Other tables are contained in Appendices II and III, and other charts in Appendix II.



GUIDE

		Slippage	Non-response	Variance	Rejected Documents	Enumeration Cost			
		page number							
Highlights		2	2	2	3	3			
Tables:	Summary	6	5 and App.III	App. II	5	5			
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Charts:	Current Levels	6	7, 8 and App. III	9		7			
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Definitions		App. I, p. 1		App. I, p. 1 App. II, p. 2	App. I, p.2	App. I, p.			
Detailed	Analysis		Appendix III	Appendix II					

Comparisons of: a) Canadian and American Unemployment rates, and b) UIC Claimants and LFS Unemployed are presented in Appendix IV.



HIGHLIGHTS

A - SLIPPACE

At the Canada level, the estimated slippage rate decreased from 4.8~% in July to 4.6~% in August.

1. - By Province

All province except Saskatchewan showed positive estimated slippage rates in August. From July to August, decreases in the estimated slippage rate were noted in Nova Scotia (a change of -0.2%), New Brunswick (-0.4%), Quebec (-1.5%) and Alberta (-0.1%). The estimated slippage rate in British Columbia for August remained the same as in the previous month. However, increases were noted in Newfoundland (a change of +0.5%), Prince Edward Island (+0.3%), Ontario (+0.3%), Manitoba (+3.3%) and Saskatchewan (+1.1%).

2. - By Age Group at the Canada Level

All age groups at the Canada level exhibited positive slippage rates in August. From July to August, increases in the estimated slippage rates were noted in the 20-24 (a change of + 0.5 %) and 45-64 (+ 0.2 %) age groups. Each of the other age groups showed decreases in the estimated slippage rate.

B - NON-RESPONSE

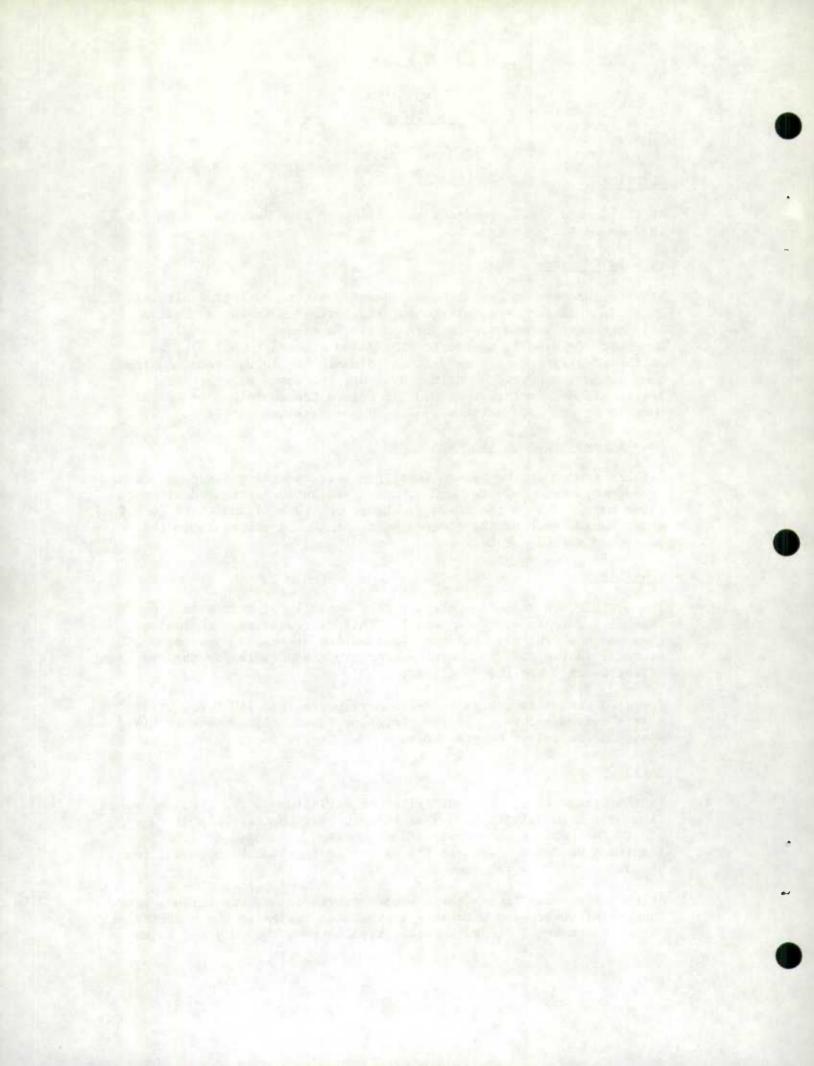
The overall non-response rate for the Canada level decreased from 10.4~% in July to 8.8~% in August. This decrease was much smaller than the one exhibited between the same two months one year ago. The decrease in the T.A. component was mainly responsible for the decrease in the overall non-response rate.

Compared with last year's August non-response rate (10.9 %), this year's rate was lower. At the component level, all components displayed decreases in non-response.

C - VARIANCE

At the Canada level the coefficient of variation of Employed decreased from 0.35 % in July to 0.33 % in August. For the estimate of Unemployed the coefficient of variation remained unchanged at 2.58 % despite a decrease 17,000 in the estimated level of Unemployed from the July survey to the August survey.

At the provincial levels there were 4 provinces - Newfoundland, New Brunswick, Quebec and Ontario - in which decreases in the coefficients of variation for Employed were observed between the July and August



surveys. For the estimates of Unemployed, increases in the coefficients of variation between the July and August surveys were noted in Nova Scotia, Quebec, Alberta and British Columbia. Most of the changes in the coefficients of variation of Employed and Unemployed at the provincial levels can be explained by changes in the estimated levels of Employed or Unemployed.

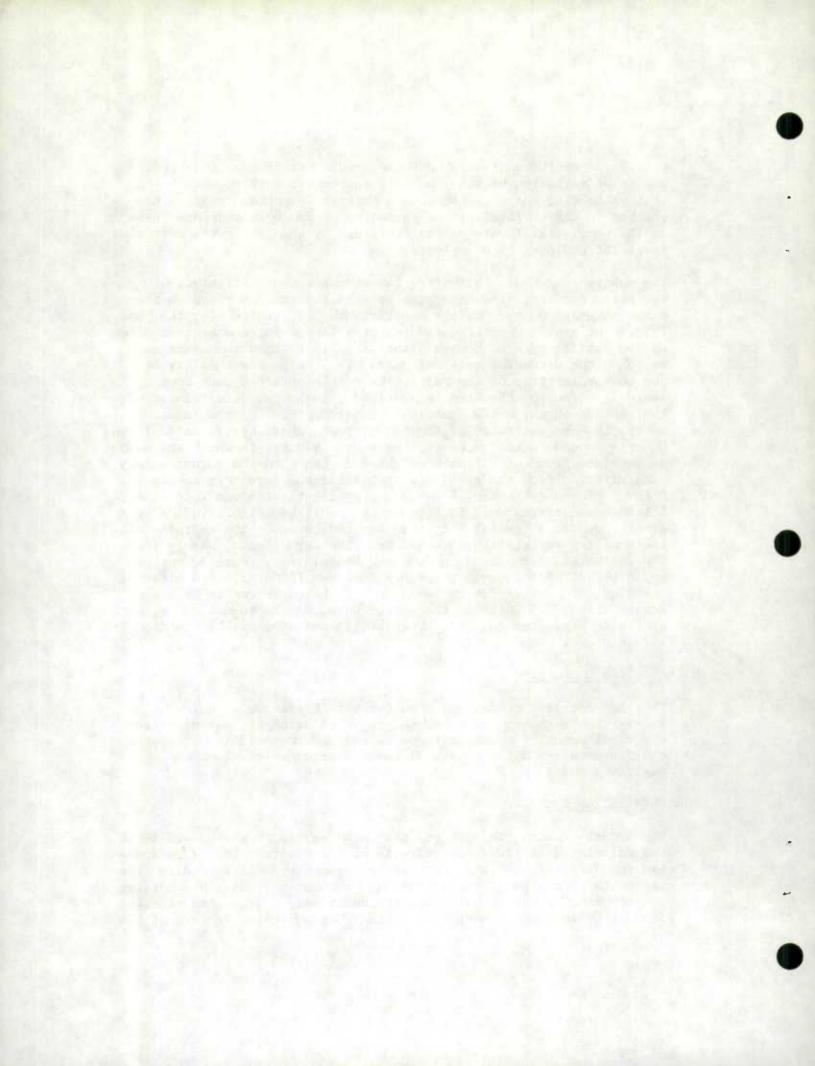
The published symbols indicating the range of the coefficient of variation for estimates have been updated and are now based on the annual average of the monthly coefficients of variation for the year 1973. For any survey the estimate for a Labour Force characteristic may be subject to a higher sampling variability than the average based on the preceding calendar year. The reason for this may be due to pecularities of the particular sample obtained, due to a seasonal effect on the sampling variance, due to an outdatedness of the samples on which the symbols were based etc. For the August survey for the estimates of the Labour Force characteristics Employed, Unemployed and In Labour Force, there were 9 cases in which the symbol as obtained from the estimate of the % SD based on the August survey data differed from the published symbol for the August estimates -2 for Employed estimates, 4 for Unemployed estimates and 2 for In Labour Force estimates. In 4 cases the published figure indicated a greater degree of reliability than was indicated by the estimate of the sampling variability obtained from the August data, namely for the estimates of Employed in B.C. and Unemployed in Canada, Ontario and Alberta. For the other cases - Employed in Ontario and Alberta, Unemployed in Prince Edward Island and In Labour Force in Prince Edward Island and Ontario, the symbol based on the August survey data indicated a greater degree of reliability than the symbol based on the 1973 average.

D - REJECTED DOCUMENTS

The 1288 document reader was used for the first time in August, however the computer programme for rejected documents was not ready. The development of this programme is now underway and it is expected that information on rejects will be available for the September Quality Report.

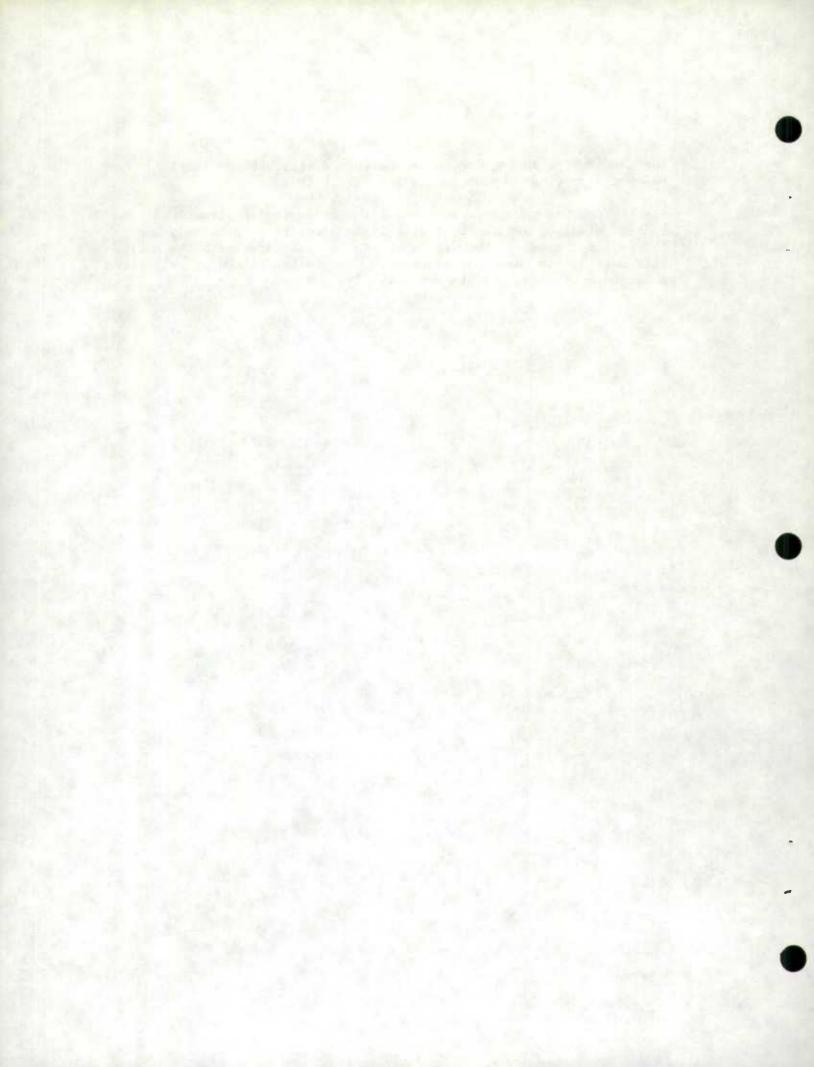
E - ENUMERATION COSTS

The August enumeration cost per sample household at the Canada level was calculated at \$2.73, an increase of 3 cents from the \$2.70 average for July. This 1.1 % increase in enumeration costs results from the extra attention given non-response by most regions. "Temporary absent" and "no one at home" households in many assignments received "Monday follow-up" attention resulting in a non-response rate of 8.8 %

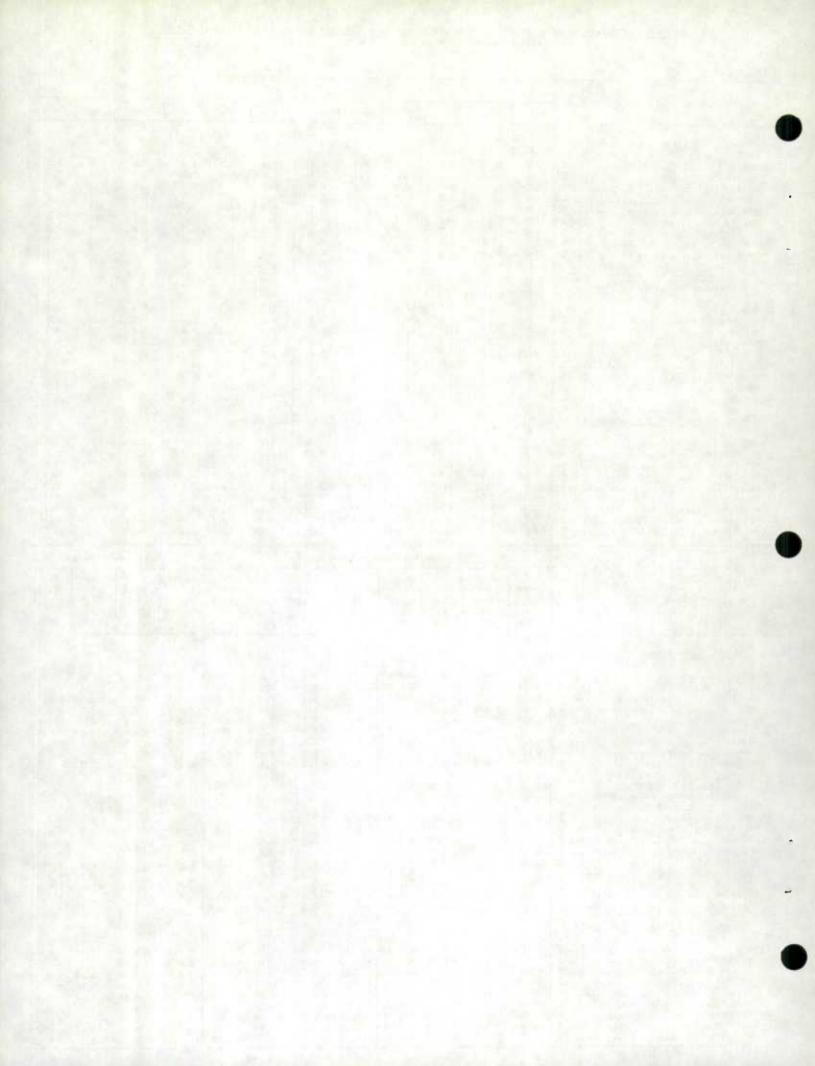


for August, the lowest for August Surveys since 1966 and 1.3 % below the previous low of 10.1 % for August 1972.

Six regions had increases in enumeration costs ranging from 2 to 11 cents. Winnipeg and Montreal with 11 and 7 cents respectively had the larger increases; however, this can be associated with the noticeable decrease in their non-response. Toronto and Vancouver registered a decrease of 4 and 2 cents respectively.



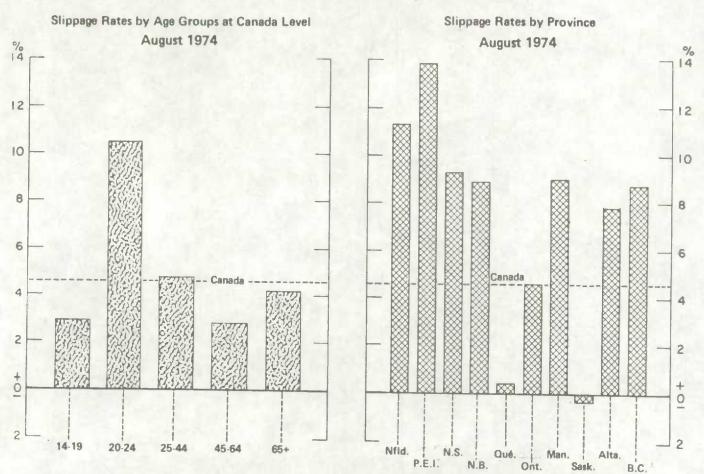
	1974				1973							
	August	July	June	May	April	March	August	July	June	May	April	Marc
Non-response												
enade %	8.8	10.4	6.8	7.0	8.3	6.4	10.9	15.1	8.4	7.0	7.9	6.8
St. John's 7	8.7	6.2	5.1	5.2	7.9	6.8	9.8	13.4	8.1	7.6	7.5	6.3
Montreal %	8.4	12.1	6.9	8.2	8.7	7.1	12.1	19.2	10.3	7.4	7.4	6.8
Ottawa	8.6	9.5	6.2	7.3	7.4	7.3	9.2	13.9	8.6· 6.7	5.7	7.2	7.0
Toronto %	11.0	12.2	7.0	7.0 3.0	2.6	7.4	5.2	6.7	3.9	2.8	2.8	2.8
Winnipeg % Edmonton %	7,0	8.5	6.4	7.3	8.8	6.3	11.4	15.8	11.2	9.0	10.0	9.1
Vancouver %	12.2	12.8	10.5	9.0	12.2	8.0	14.9	16.0	11.0	9.6	14.5	10.5
Rejected Documents (Regular Labour Force Items)												
anada 7.			10.2	12.4	8.4	6.9	9.9	9.1	9.0	8.2	7.6	7.4
St. John's 7			8,4	9.2	7.4	6.4	10.0	5.1	6.3 9.8	9.0	7.9	8.1
Halifax % Montreal %	See Hi	ghlights,	8.9	10.7	7.0	7.4	8.7	8.8	7.8	7.2	6.4	5.0
Ottawa	Section	n D.	8.4	10.1	7.8	5.0	12,0	9.3	7.6	7.0	7.L	7.2
Toronto 7.	Page 3		11.7	14.4	11.9	8.2	10,6	10.7	11.0	9.8	10.1	10.
Winnipeg %	rage)	•	8,4	16.7	5.2	7.4	8.8	6.3 8.1	5.8	6.5 8.1	5.7	6.0
Edmonton 7. Vancouver 7.			11.1	12.0	9.3	8.4	11.0	10.6	10.4	9.4	9.0	8.
Enumeration Cost per Household												
Canada\$	2.73	2.70	2.56	2.51	2.53	2.38	2.24	1.98	2.20	2.17	1.89	2.
St. John's \$	3.32	3.26	3.04	3.01	2.61	2.72	2.50	2.10	2.50	2.59	2.17	2.
Halifax\$	2.59	2.57	2.32	2.41	2.48	2.32	2.10	1.89	2.02	1.98	2.00	1.
Montreal\$	2.88	2.81	2.45	2.69	2.67	2.43	2.41	2.07	2.30	2.36	2.05	2.
Ottawa \$ Toronto \$	2.76	2.68	2.67	2.49	2.43	2.35	2.37	2.09	2.37	2.29	1.98	2.
Winnipeg\$	2.71	2.60	2.61	2.51	2.64	2,41	2.22	2.16	2.25	2.19	2:07	2.
Edmonton\$	2,69	2.65	2.53	2.40	2.54	2.26	2.06	1.72	1.91	1.78	1.66	l.
Vancouver\$	2.63	2.65	2.58	2.34	2.39	2.26	1.92	1.84	2.01	1.98	1.72	2.
			Month-to-month Change					Year-to-yea		ar Change		
		197	4		1973		973			July 1973	June 1973	May 19
	July	June	May	April	July	June	May	April	to	to	to	to
	August	July	to June	May	August	July	June	to May	August 1974	July 1974	June 1974	Ma: 19
Non-response												
Canada 7	- 1.6	+ 3.6	- 0.2	- 1.3	- 4.2	+ 6.7	+ 1.4	- 0.9	- 2.1	_ 4.7	- 1.6	+ 0
Canada	- 0.5	+ 1.1	- 0.1	- 2.5	- 4.3	+ 8.6	+ 0.9	- 0.6	- 4.0	- 7.8	- 0.3	
Canada								-				- 0
Canada	- 0.5 - 1.3	+ 1.1 + 3.4	- 0.1 - 0.3	- 2.5 - 1.0	- 4.3 - 3.6	+ 8.6 + 5.3	+ 0.9	- 0.6 + 0.1	- 4.0 - 1.1	- 7.8 - 3.4	- 0.3 - 1.5	- 0 + 0
St. John's	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2	- 0.1 - 0.3 - 1.3 - 1.1	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5	+ 0.9 + 0.5 + 2.9 + 2.9 + 0.5	- 0.6 + 0.1 - + 0.1 - 1.0.	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3	- 0 + 0 + 1 + 0
St. John's	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7	- 0.1 - 0.3 - 1.3 - 1.1 + 0.7	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8	+ 0.9 + 0.5 + 2.9 + 2.9 + 0.5 + 1.1	- 0.6 + 0.1 - + 0.1 - 1.0.	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2	- 0 + 0 + 1 + 0 + 0
Canada 7 St. John's 7 Halifax 7 Montreal 7 Ottawa 7 Toronto 7	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2	- 0.1 - 0.3 - 1.3 - 1.1	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5	+ 0.9 + 0.5 + 2.9 + 2.9 + 0.5	- 0.6 + 0.1 - + 0.1 - 1.0.	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3	- 0 + 0 + 1 + 0 + 0 - 1
St. John's	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1	- 0.1 - 0.3 - 1.3 - 1.1 - + 0.7 - 0.9	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6	+ 0.9 + 0.5 + 2.9 + 2.9 + 0.5 + 1.1 + 2.2	- 0.6 + 0.1 - + 0.1 - 1.0.	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8	- 0 + 0 + 1 + 0 + 0 - 1
St. John's	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1	- 0.1 - 0.3 - 1.3 - 1.1 - + 0.7 - 0.9	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6	+ 0.9 + 0.5 + 2.9 + 2.9 + 0.5 + 1.1 + 2.2	- 0.6 + 0.1 - + 0.1 - 1.0.	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8	- 0 + 0 + 1 + 0 + 0 - 1 - 0
St. John's	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1	- 0.1 - 0.3 - 1.3 - 1.1 - 0.7 - 0.9 + 1.5	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0	+ 0.9 + 0.5 + 2.9 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4	- 0.6 + 0.1 - + 0.1 - 1.0 - 1.0 - 4.9	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8 - 0.5	- 0 + 0 + 1 + 0 + 0 - 1 - 0
St. John's	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3	- 0.1 - 0.3 - 1.3 - 1.1 + 0.7 - 0.9 + 1.5	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2	+ 0.9 + 0.5 + 2.9 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8 - 0.5	- 0 + 0 + 1 + 0 + 0 - 1 - 0
St. John's	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3	- 0.1 - 0.3 - 1.3 - 1.1 - + 0.7 - 0.9 + 1.5	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2 + 4.0 + 5.8 + 4.9 + 3.7	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2 + 1.0	+ 0.9 + 0.5 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8 + 0.6	- 0.6 + 0.1 - + 0.1 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1 + 0.8	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8 - 0.5 + 1.2 + 2.1 + 1.7 + 1.1	- 0 + 0 + 1 + 0 + 0 - 1 - 0 + 4 + 4 + 3 + 3
St. John's	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3	- 0.1 - 0.3 - 1.3 - 1.1 + 0.7 - 0.9 + 1.5	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2	+ 0.9 + 0.5 + 2.9 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8 - 0.5	- 0 + 0 + 1 + 0 - 1 - 0 + 4 + 4 + 3 + 3 + 3
Canada	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3	- 0.1 - 0.3 - 1.3 - 1.1 - 0.7 - 0.9 + 1.5 - 2.2 - 0.8 - 0.8 - 1.8 - 1.7 - 2.7 - 8.3	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2 + 4.0 + 5.8 + 4.9 + 3.7 + 2.3 + 2.5 + 11.5	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1 + 0.8 + 1.7 - 0.1 + 2.7 - 0.1 + 2.5	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2 + 1.0 - 0.3 + 0.5	+ 0.9 + 0.5 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8 + 0.6 + 0.6	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1 + 0.8 - 0.1	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8 - 0.5 + 1.2 + 2.1 + 1.7 + 1.1 + 0.4 + 0.5	- 0 + 0 + 1 + 0 - 1 - 0 + 4 + 4 + 3 + 3 + 3 + 4
Canada	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3	- 0.1 - 0.3 - 1.3 - 1.1 - + 0.7 - 0.9 + 1.5 - 2.2 - 0.8 - 0.8 - 1.8 - 1.7 - 2.7 - 8.3 - 0.9	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2 + 4.0 + 5.8 + 4.9 + 3.7 + 2.3 + 2.5 + 11.5 + 0.9	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1 + 0.8 + 1.7 - 0.1 + 2.7 - 0.1 + 2.5 + 2.9	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2 + 1.0 + 1.7 - 0.3 + 0.5 - 1.8	+ 0.9 + 0.5 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8 + 0.6 + 0.6 + 1.2 - 0.7 + 1.8	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1 + 0.8 - 0.1 - 0.3 + 0.8 + 1.5	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2	- 0.3 - 1.5 - 3.4 + 0.3 - 0.2 - 4.8 - 0.5 + 1.2 + 2.1 + 1.7 + 1.1 + 0.8 + 0.8 + 0.5	- 0 + 0 + 1 + 0 + 0 - 1 - 0 + 4 + 4 + 3 + 3 + 3 + 4 + 10 + 3
St. John's	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3	- 0.1 - 0.3 - 1.3 - 1.1 - 0.7 - 0.9 + 1.5 - 2.2 - 0.8 - 0.8 - 1.8 - 1.7 - 2.7 - 8.3	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2 + 4.0 + 5.8 + 4.9 + 3.7 + 2.3 + 2.5 + 11.5	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1 + 0.8 + 1.7 - 0.1 + 2.7 - 0.1 + 2.5	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2 + 1.0 - 0.3 + 0.5	+ 0.9 + 0.5 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8 + 1.4 + 0.6 + 0.6 + 1.2 - 0.7	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1 + 0.8 - 0.1 - 0.3 + 0.8	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8 - 0.5 + 1.2 + 2.1 + 1.7 + 1.1 + 0.4 + 0.5	- 0 + 0 + 1 + 0 + 0 - 1 - 0 + 4 + 4 + 3 + 3 + 3 + 4 + 10 + 3
St. John's	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3	- 0.1 - 0.3 - 1.3 - 1.1 - + 0.7 - 0.9 + 1.5 - 2.2 - 0.8 - 0.8 - 1.8 - 1.7 - 2.7 - 8.3 - 0.9 - 1.8	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2 + 4.0 + 5.8 + 4.9 + 3.7 + 2.3 + 2.5 + 11.5 + 0.9 + 2.4	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1 + 0.8 + 1.7 - 0.1 + 2.7 - 0.1 + 2.5 + 2.9 + 0.4	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2 + 1.0 - 0.3 + 0.5 - 1.8 + 0.2	+ 0.9 + 0.5 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8 + 1.4 + 0.6 + 0.6 + 1.2 - 0.7 + 1.8 + 1.0	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1 + 0.8 - 0.1 - 0.3 + 0.8 + 1.5 + 0.4	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7 See Hig Section Page 3.	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8 - 0.5 + 1.2 + 2.1 + 1.7 + 1.7 + 1.1 + 0.8 + 0.7 + 2.6 + 1.2 - 0.5	- 0 + 0 + 1 + 0 + 0 - 1 - 0 - 0 - 1 + 4 + 4 + 3 + 3 + 3 + 4 + 10 + 2 - 1 + 2 -
Canada	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6 See H1 Section Page 3.	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3 ghlights,	- 0.1 - 0.3 - 1.3 - 1.1 - 0.7 - 0.9 + 1.5 - 2.2 - 0.8 - 0.8 - 1.8 - 1.7 - 2.7 - 8.3 - 0.9 - 1.8 + 1.7 - 2.7 - 8.3 - 1.1 + 0.7 - 1.5	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2 + 4.0 + 5.8 + 4.9 + 3.7 + 2.3 + 2.5 + 11.5 - 0.9 + 2.4	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1 + 0.8 + 1.7 - 0.1 + 2.7 - 0.1 + 2.5 + 2.9 + 0.4	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2 + 1.0 + 1.7 - 0.3 + 0.5 - 1.8 + 0.2	+ 0.9 + 0.5 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8 + 0.6 + 0.6 + 1.2 - 0.7 + 1.8 + 1.0	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1 + 0.8 - 0.1 - 0.3 + 0.8 + 1.5 + 0.4	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7 See Hig Section Page 3.	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2 ghlights,	- 0.3 - 1.5 - 3.4 + 0.3 - 0.2 - 4.8 - 0.5 + 1.2 + 2.1 + 1.7 + 1.1 + 0.8 + 0.7 + 2.6 + 1.2 - 0.5	- 0 + 0 + 1 + 0 + 0 + 0 + 0 + 0 + 0 + 0 +
Canada	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6 See H1 Section Page 3.	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3	- 0.1 - 0.3 - 1.3 - 1.1 - 0.7 - 0.9 + 1.5 - 2.2 - 0.8 - 0.8 - 1.8 - 1.7 - 2.7 - 8.3 - 0.9 - 1.8	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2 + 4.0 + 5.8 + 4.9 + 3.7 + 2.3 + 2.5 + 11.5 + 0.9 + 2.4	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1 + 0.8 + 1.7 - 0.1 + 2.7 - 0.1 + 2.7 - 0.1 + 2.9 + 0.4	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2 + 1.0 + 1.7 - 0.3 + 0.2 - 1.8 + 0.2	+ 0.9 + 0.5 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8 + 1.4 + 0.6 + 1.2 - 0.7 + 1.8 + 1.0	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1 + 0.8 - 0.1 - 0.3 + 0.8 + 1.5 + 0.4	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7 See High Section Page 3.	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2 ghlights,	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8 - 0.5 + 1.2 + 2.1 + 1.7 + 1.1 + 0.8 + 0.7 + 2.6 + 1.2 - 0.5	- 0 + 0 + 1 + 1 + 0 + 0 - 1 - 0 - 0 - 1 - 0 - 0 - 1 - 0 - 0 -
St. John's	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6 See H1 Section Page 3.	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3 ghlights, n D,	- 0.1 - 0.3 - 1.3 - 1.1 - + 0.7 - 0.9 + 1.5 - 2.2 - 0.8 - 0.8 - 1.8 - 1.7 - 2.7 - 8.3 - 0.9 - 1.8	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2 + 4.0 + 5.8 + 4.9 + 3.7 + 2.3 + 2.5 + 11.5 - 0.9 + 2.4	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1 + 0.8 + 1.7 - 0.1 + 2.7 - 0.1 + 2.5 + 0.4 + 0.4 + 0.4 + 0.40	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 - 0.2 + 1.0 + 1.7 - 0.3 + 0.5 - 1.8 + 0.2	+ 0.9 + 0.5 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8 + 1.4 + 0.6 + 0.6 + 1.2 - 0.7 + 1.8 + 1.0	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1 + 0.8 - 0.1 - 0.3 + 0.8 + 1.5 + 0.4	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7 See High Section Page 3.	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2 ghlights, 1 D,	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8 - 0.5 + 1.2 + 2.1 + 1.7 + 1.1 + 0.8 + 0.7 + 2.6 + 1.2 - 0.5	- 0 + 0 + 1 + 0 + 0 + 0 + 0 + 0 + 0 + 0 +
Canada	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6 See Hi Section Page 3 + 0.03 + 0.06 + 0.02 + 0.07 + 0.03	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3 ghlights, n D,	- 0.1 - 0.3 - 1.3 - 1.1 - 0.7 - 0.9 + 1.5 - 2.2 - 0.8 - 0.8 - 1.8 - 1.7 - 2.7 - 8.3 - 0.9 - 1.8 + 0.05 + 0.03 - 0.03 - 0.09 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.9 - 0.9 - 0.8 - 0.8 - 0.8 - 0.9 - 0.9 - 0.9 - 0.8 - 0.8 - 0.8 - 0.9 - 0.9 - 0.9 - 0.8 - 0.8 - 0.9 - 0.9 - 0.9 - 0.9 - 0.9 - 0.9 - 0.8 - 0.9 - 0.9	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2 + 4.0 + 5.8 + 4.9 + 3.7 + 2.3 + 2.5 + 11.5 + 0.9 + 2.4	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1 + 0.8 + 1.7 - 0.1 + 2.7 - 0.1 + 2.5 + 2.9 + 0.4 + 0.20 + 0.40 + 0.34 + 0.34	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2 + 1.0 - 1.7 - 0.3 + 0.5 - 1.8 + 0.2	+ 0.9 + 0.5 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8 + 0.6 + 0.6 + 1.2 - 0.7 + 1.8 + 1.0	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1 + 0.8 - 0.1 - 0.3 + 0.4 + 0.4 + 0.4 + 0.42 + 0.26 + 0.24	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7 See Hig Section Page 3.6 + 0.49 + 0.82 + 0.49 + 0.49 + 0.49	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2 ghlights,	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8 - 0.5 + 1.2 + 2.1 + 1.7 + 1.1 + 0.8 + 0.7 + 2.6 + 1.2 - 0.5 + 0.36 + 0.54 + 0.30 + 0.15	- 0 + 0 + 1 + 1 + 0 - 1 - 0 - 0 - 1 - 0 - 0 - 1 - 0 - 0 -
Canada 7. St. John's 7. Halifax 7. Montreal 7. Ottawa 7. Toronto 7. Winnipeg 7. Edmonton 7. Vancouver 7. Rejected Documents (Regular Labour Force Items) Canada 7. St. John's 7. Halifax 7. Montreal 7. Vancouver 7. Enumeration Cost per Household Canada \$ St. John's \$ Halifax \$ Montreal \$ Ottawa \$ Toronto \$ Toronto \$	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6 See H1 Section Page 3. + 0.03 + 0.06 + 0.02 + 0.03 - 0.04	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3 ghlights, n D, 	- 0.1 - 0.3 - 1.3 - 1.1 - 0.7 - 0.9 + 1.5 - 2.2 - 0.8 - 0.8 - 1.8 - 1.7 - 2.7 - 8.3 - 0.9 - 1.8 + 0.05 + 0.03 - 0.09 - 0.9 + 0.19 + 0.7 - 0.9 - 0.9 - 0.9 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.8 - 0.9 - 0.9 - 0.9 - 0.8 - 0.8 - 0.9 - 0.9 - 0.9 - 0.9 - 0.8 - 0.8 - 0.8 - 0.9 - 0.9 - 0.9 - 0.9 - 0.9 - 0.9 - 0.9 - 0.8 - 0.9 - 0.9	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2 + 4.0 + 5.8 + 4.9 + 3.7 + 2.3 + 2.5 + 11.5 - 0.9 + 2.4	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1 + 0.8 + 1.7 - 0.1 + 2.7 - 0.1 + 2.5 + 2.9 + 0.4 + 0.40 + 0.20 + 0.37 + 0.37 + 0.37 + 0.37 + 0.28	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2 + 1.0 + 1.7 - 0.3 + 0.5 - 1.8 + 0.2 - 0.40 - 0.13 - 0.23 - 0.23 - 0.28 - 0.28	+ 0.9 + 0.5 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8 + 0.6 + 0.6 + 1.2 - 0.7 + 1.8 + 1.0 + 0.03 - 0.09 + 0.04 - 0.06 + 0.16 + 0.08	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1 + 0.8 - 0.1 - 0.3 + 0.4 + 0.4 + 0.28 + 0.24 + 0.24 + 0.28 + 0.31	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7 See Hig Section Page 3. + 0.49 + 0.82 + 0.49 + 0.47 + 0.32 + 0.32 + 0.27	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2 ghlights, 1 D, + 0.72 + 1.16 + 0.68 + 0.74 + 0.66 + 0.59	- 0.3 - 1.5 - 3.4 + 0.3 - 0.2 - 4.8 - 0.5 + 1.2 + 2.1 + 1.7 + 1.1 + 0.8 + 0.7 + 2.6 + 1.2 - 0.5 + 0.36 + 0.54 + 0.30 + 0.15 + 0.19 + 0.30	+ 0 + 0 + 0 + 0
Canada	- 0.5 - 1.3 - 3.7 - 0.9 - 1.2 - 1.7 - 1.5 - 0.6 See H1 Section Page 3. + 0.03 + 0.06 + 0.02 + 0.07 + 0.03 - 0.04 + 0.11	+ 1.1 + 3.4 + 5.2 + 3.3 + 5.2 + 2.7 + 2.1 + 2.3 ghlights, n D,	- 0.1 - 0.3 - 1.3 - 1.1 - 0.7 - 0.9 + 1.5 - 2.2 - 0.8 - 0.8 - 1.8 - 1.7 - 2.7 - 8.3 - 0.9 - 1.8 + 0.05 + 0.03 - 0.09 - 0.24 + 0.10 + 0.10	- 2.5 - 1.0 - 0.5 - 0.1 - 1.7 + 0.4 - 1.5 - 3.2 + 4.0 + 5.8 + 4.9 + 3.7 + 2.3 + 2.5 + 11.5 + 0.9 + 2.4	- 4.3 - 3.6 - 7.1 - 4.7 - 4.8 - 1.5 - 4.4 - 1.1 + 0.8 + 1.7 - 0.1 + 2.7 - 0.1 + 2.7 - 0.1 + 2.9 + 0.4 + 0.21 + 0.34 + 0.37 + 0.37 + 0.32 + 0.32	+ 8.6 + 5.3 + 8.9 + 5.3 + 9.5 + 2.8 + 4.6 + 5.0 + 0.1 - 1.2 + 0.2 + 1.0 + 1.7 - 0.3 + 0.5 - 1.8 + 0.2 - 0.22 - 0.40 - 0.13 - 0.23 - 0.42 - 0.42 - 0.23 - 0.42 - 0.23 - 0.42 - 0.42 - 0.42 - 0.43	+ 0.9 + 0.5 + 2.9 + 0.5 + 1.1 + 2.2 + 1.4 + 0.8 + 0.6 + 0.6 + 1.2 - 0.7 + 1.8 + 1.0 + 0.03 - 0.09 + 0.04 - 0.06 +	- 0.6 + 0.1 - 1.0 - 1.0 - 1.0 - 4.9 + 0.6 - 1.0 + 1.1 + 0.8 - 0.1 - 0.3 + 0.4 + 0.4 + 0.28 + 0.24 + 0.24 + 0.28 + 0.31	- 4.0 - 1.1 - 3.7 - 0.6 - 0.4 - 0.5 - 4.4 - 2.7 See High Section Page 3. + 0.49 + 0.82 + 0.49 + 0.32 + 0.32 + 0.32 + 0.49	- 7.8 - 3.4 - 7.1 - 4.4 - 4.0 - 0.3 - 7.3 - 3.2 ghlights, 1 D, + 0.72 + 1.16 + 0.68 + 0.74 + 0.66 + 0.59	- 0.3 - 1.5 - 3.4 - 2.4 + 0.3 - 0.2 - 4.8 - 0.5 + 1.2 + 2.1 + 1.7 + 1.1 + 0.8 + 0.7 + 2.6 + 1.2 - 0.5 + 0.36 + 0.54 + 0.30 + 0.30 + 0.15 + 0.30 + 0.330 + 0.36	- 0 + 0 + 0 + 1 + 1 + 0 + 0 + 0 + 0 + 0 +



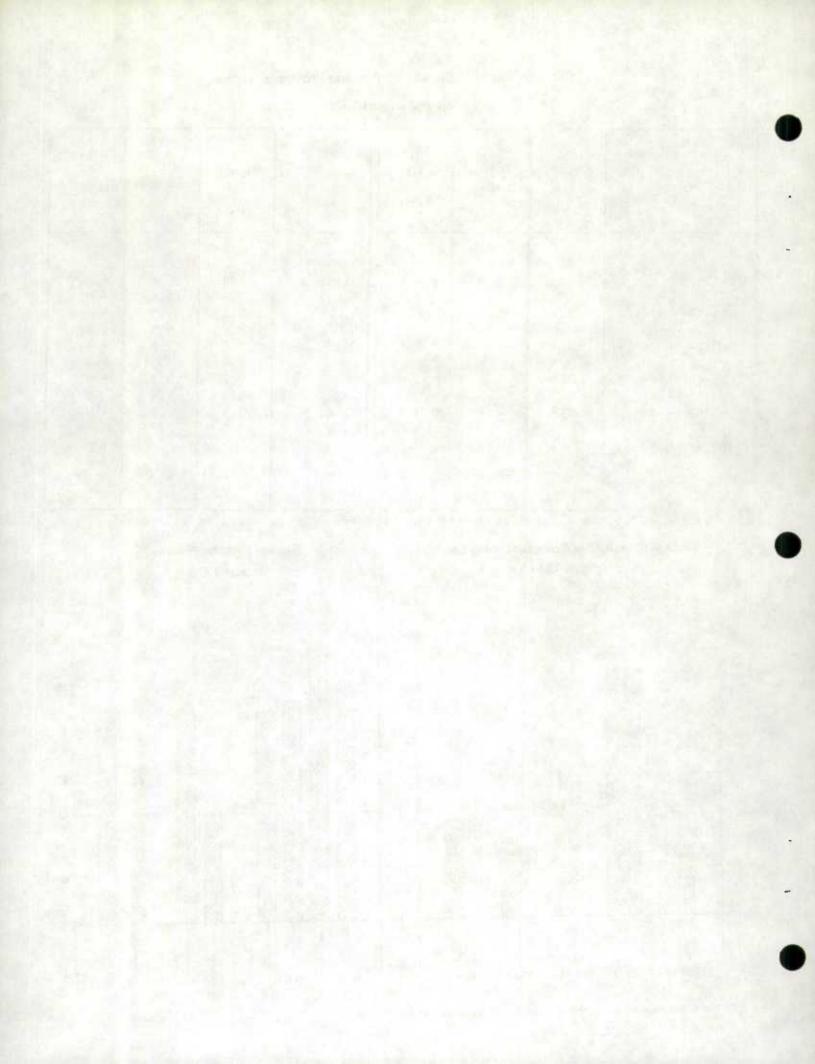
Slippage Rates⁽¹⁾ Canada by Age and Provincial Totals July and August 1974

	August 1974	July 1974	July to August Change		August 1974	July 1974	July to August Change
CANADA	4.6	4.8	- 0.2	Nfld. P.E.I.	11.3	10.8	+ 0.5 + 0.3
14-19 years	2.9	3.2	- 0.3	N.S. N.B.	9.3	9.5	- 0.2 - 0.4
20-24 years	10.5	10.0	+ 0.5	Que. Ont.	0.5	2.0	- 1.5 + 0.3
25-44 years	4.8	5.4	- 0.6	Man. Sask.	9.0	5.7	+ 3.3 + 1.1
45-64 years	2.9	2.7	+ 0.2	Alta. B.C.	7.8	7.9	- 0.1
65 and over	4.2	4.3	- 0.1				

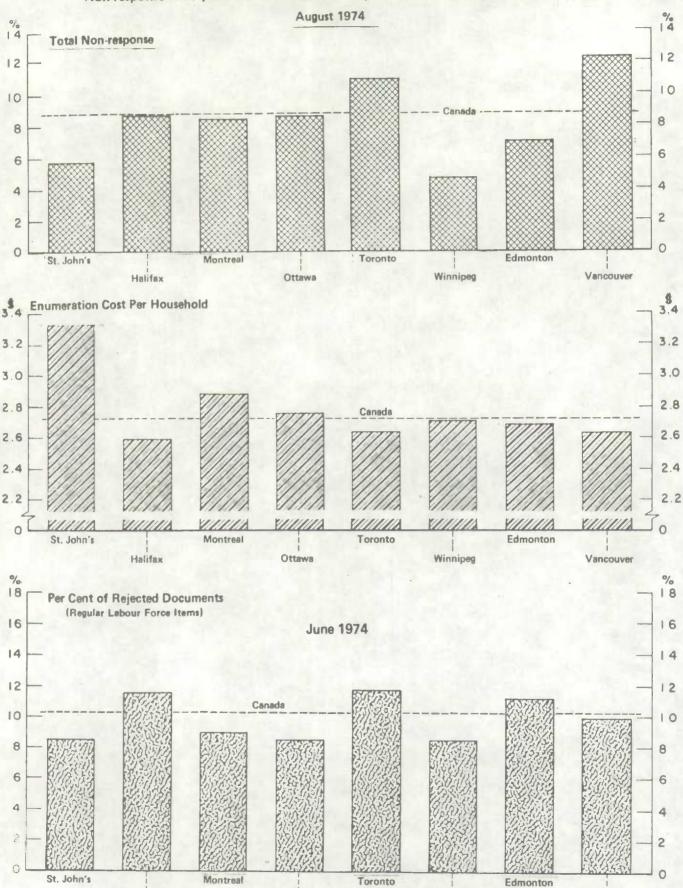
(1) The Above Rates are Calculated on Population Projections Based on 1971 Census.



(1) The Above Rates are Calculated on Population Projections Based on 1971 Census.



Non-response Rates, Enumeration Cost and Rejected Documents by Regional Office

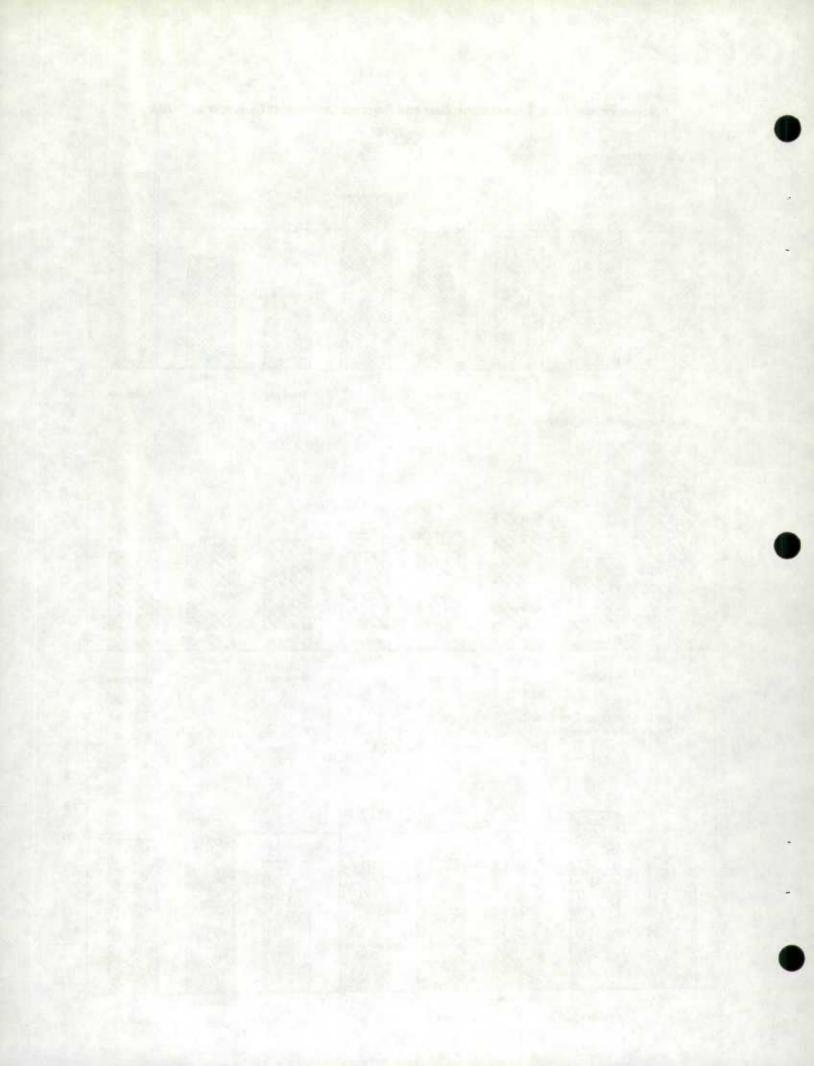


Ottawa

Winnipeg

Vancouver

Halifax



Non-response Rates, by Component August 1974 % 8 No one home (N-I). Temporarily absent (T.A's) 7 7 6 5 5 Canada -4 3 3 2 2 Canada 0 Montreal Toronto Edmonton St.-John's Toronto | Edmonton Montreal Winnipeg Halifax Vancouver Ottawn Winnipeg Vancouver Halifax Ottawa % % 8 Other (N3-5) 8 Refusal (N-2) 7 7 6 6 5 5 4 4 3 3 2 2 -

St.-John's

Halifax

Montreal

Edmonton

Vancouver

Winnipeg

Toronto

Ottawa

Canada

Ottawa

Toronto Edmonton

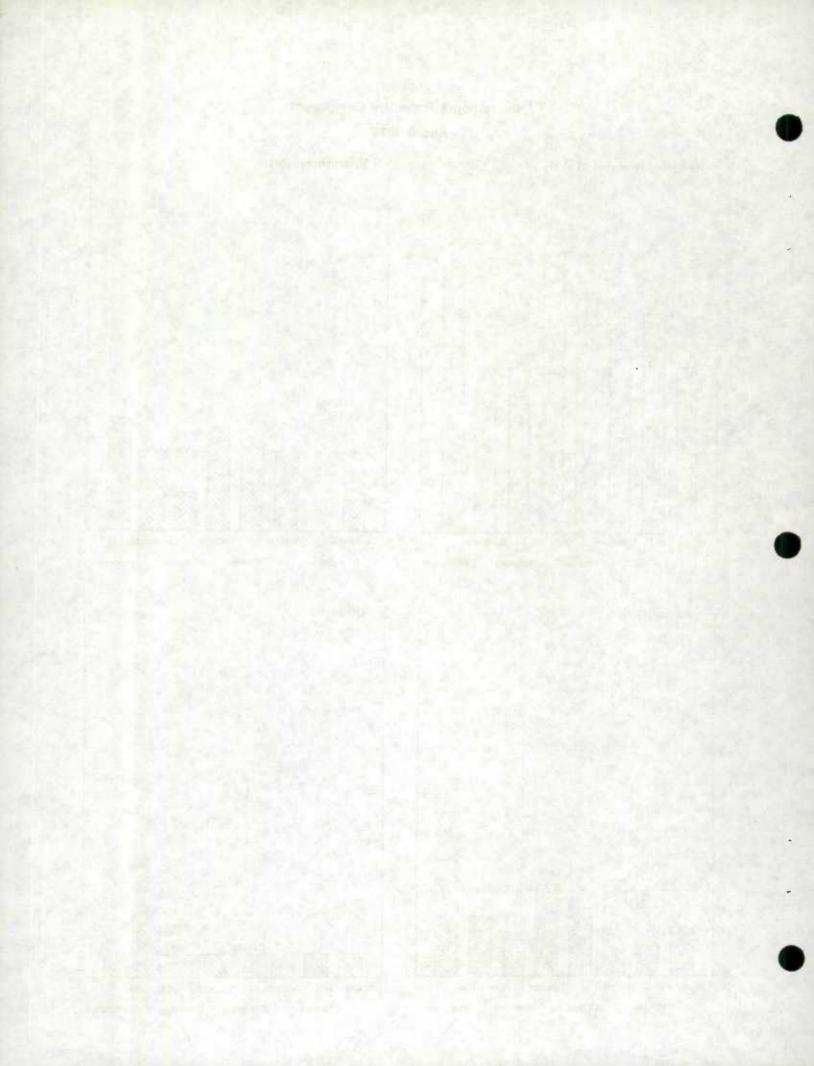
Winnipeg

Vancouver

Montreal

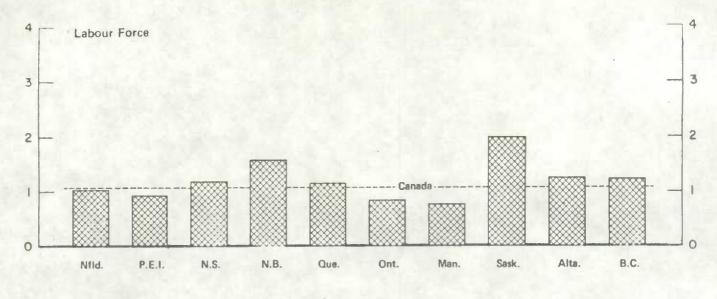
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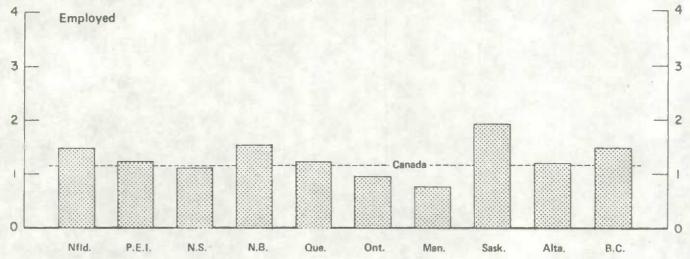
St.-John's

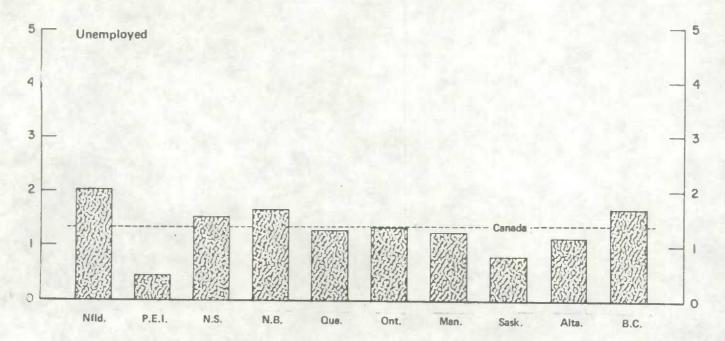


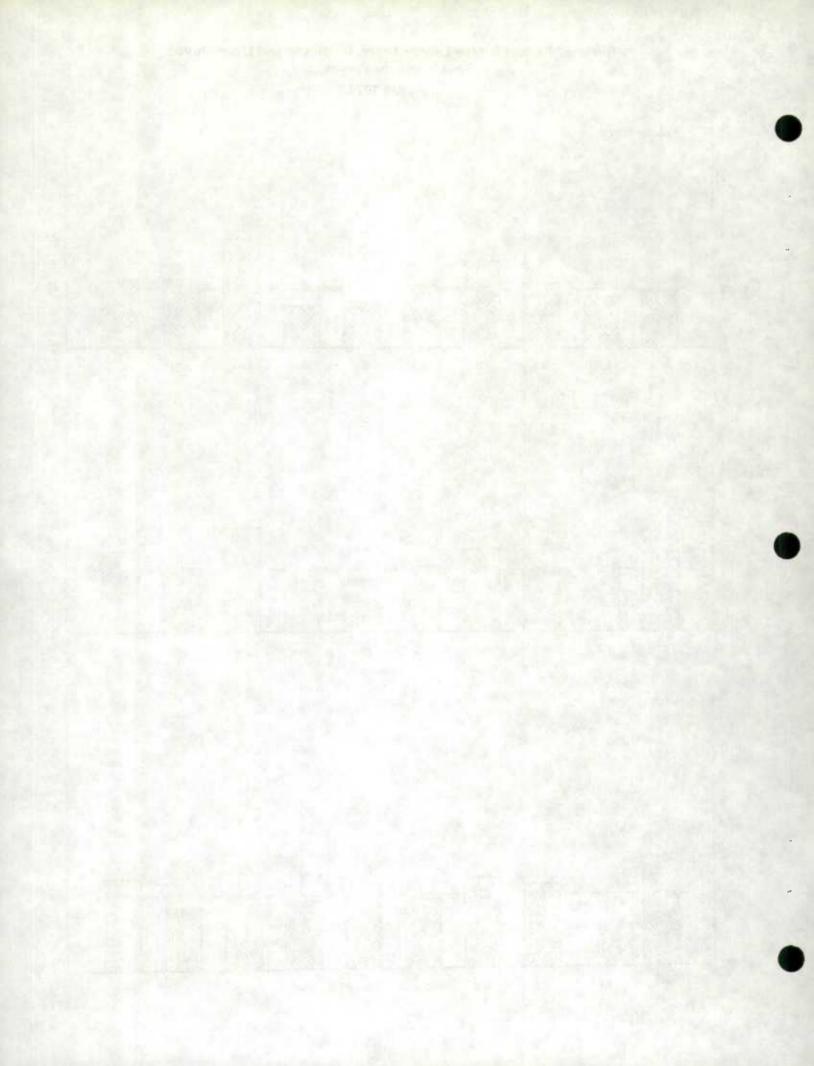
Binomial Factors for the Labour Force, Employed and Unemployed, Canada and the Provinces

August 1974

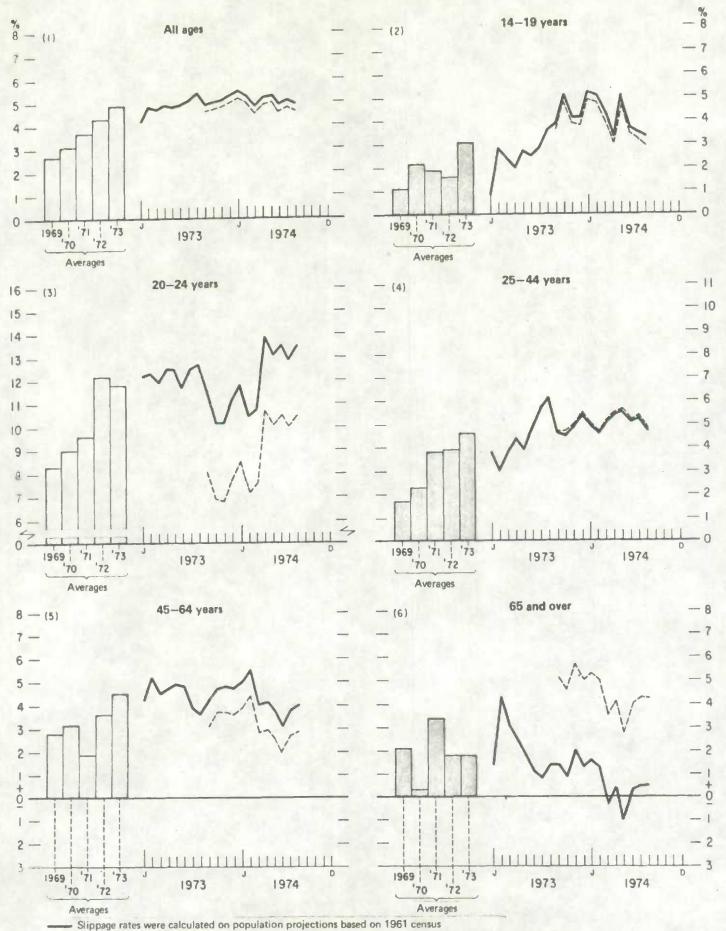






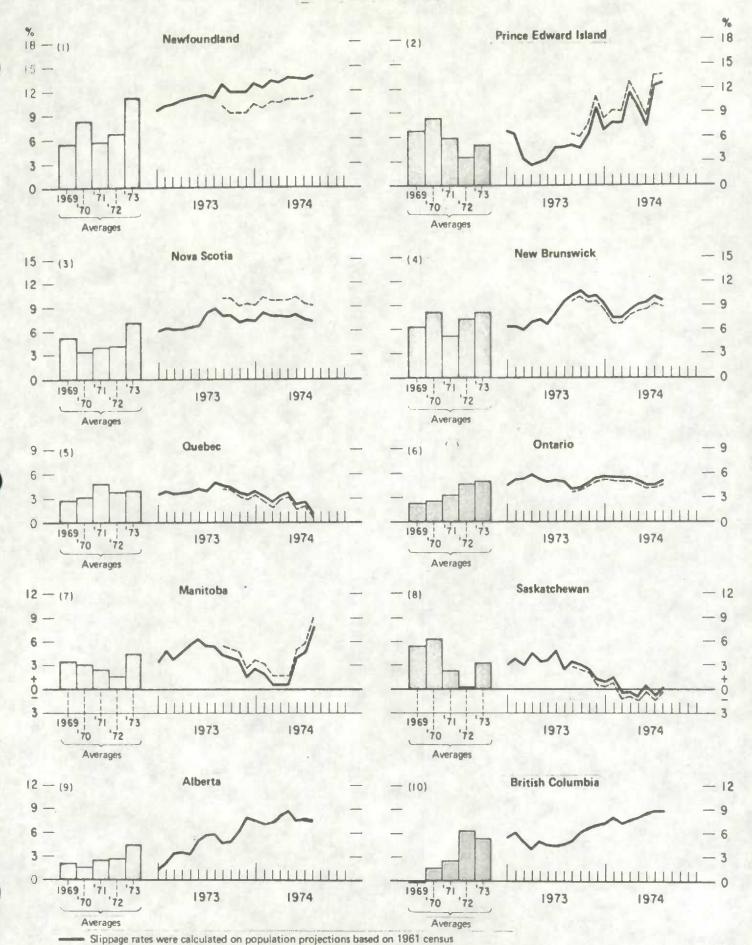


Slippage by Age Group at the Canada Level

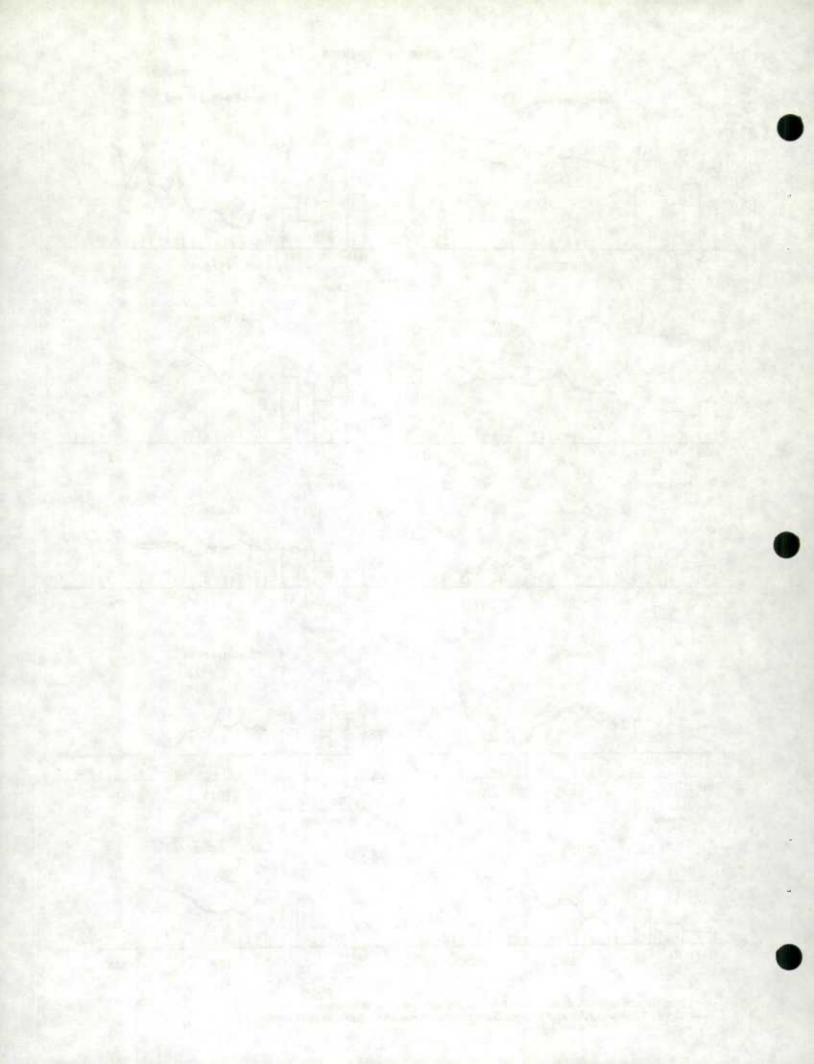


--- Slippage rates were calculated on preliminary population projections based on 1971 census

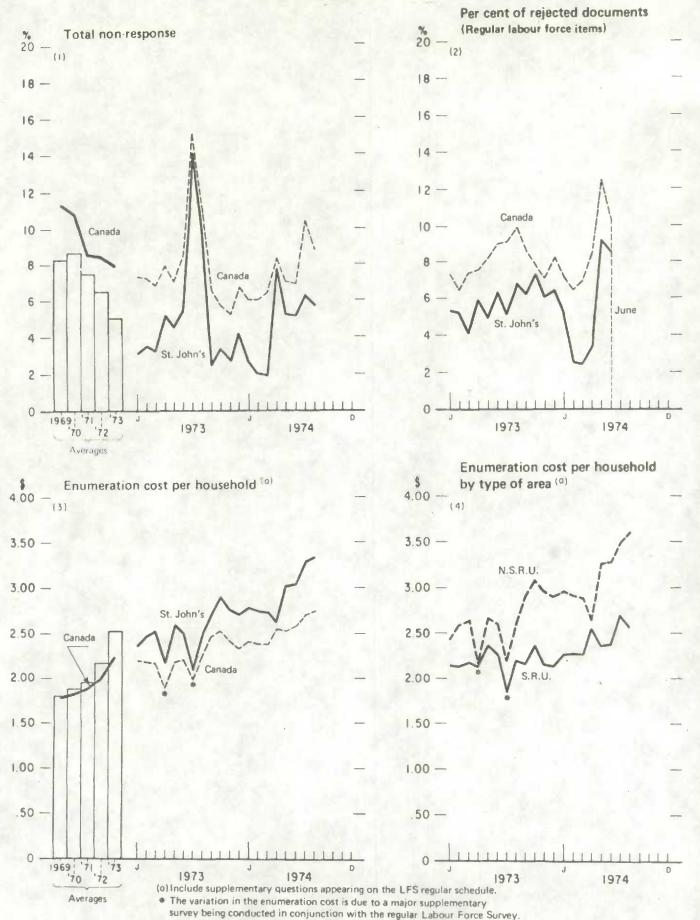
- 11 - Slippage by Province

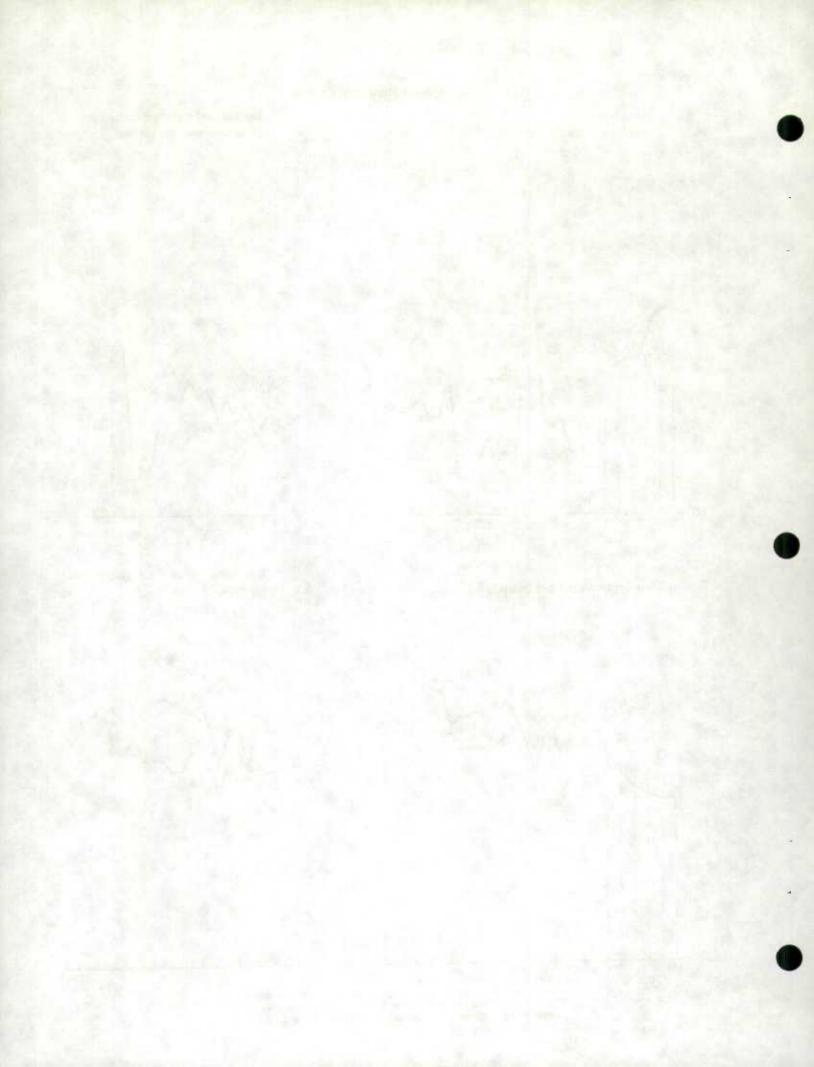


--- Slippage rates were calculated on preliminary population projections based on 1971 census

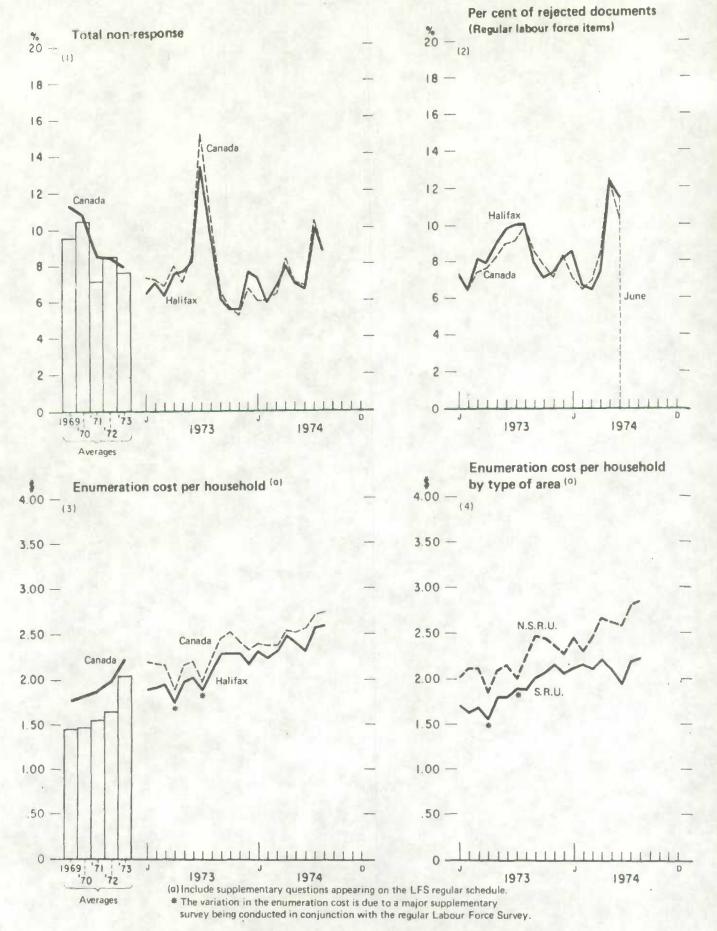


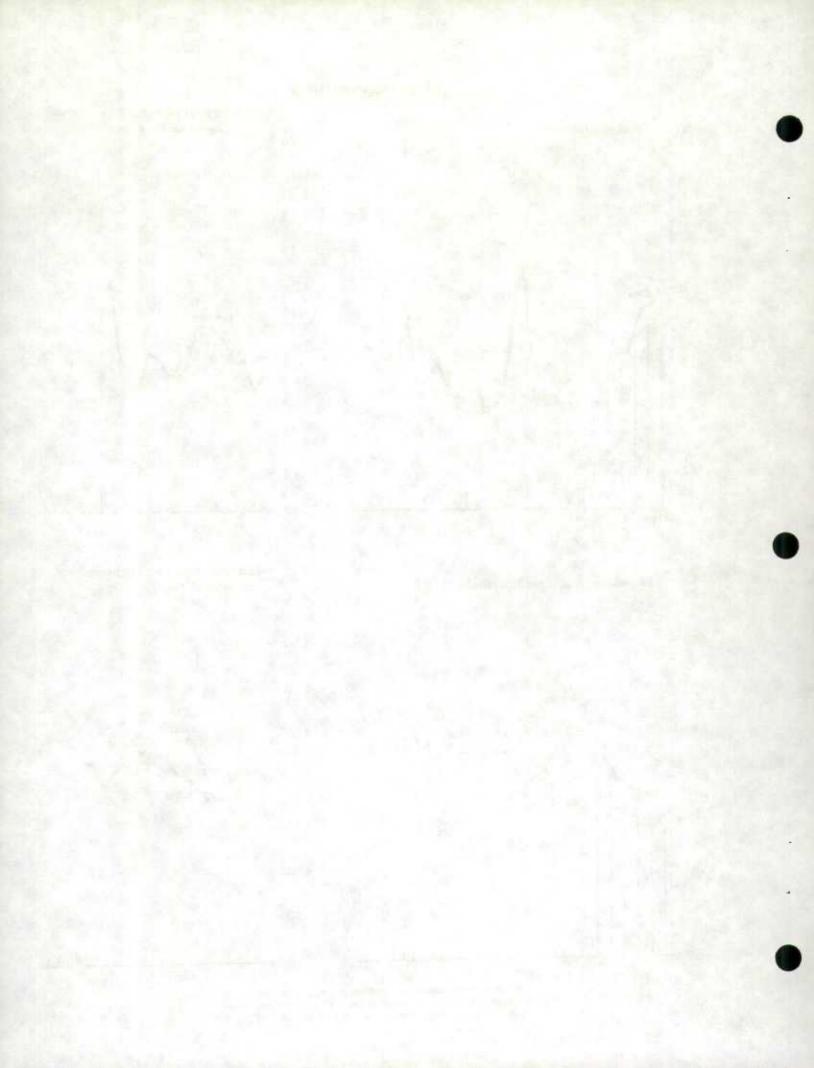
St. John's Regional Office



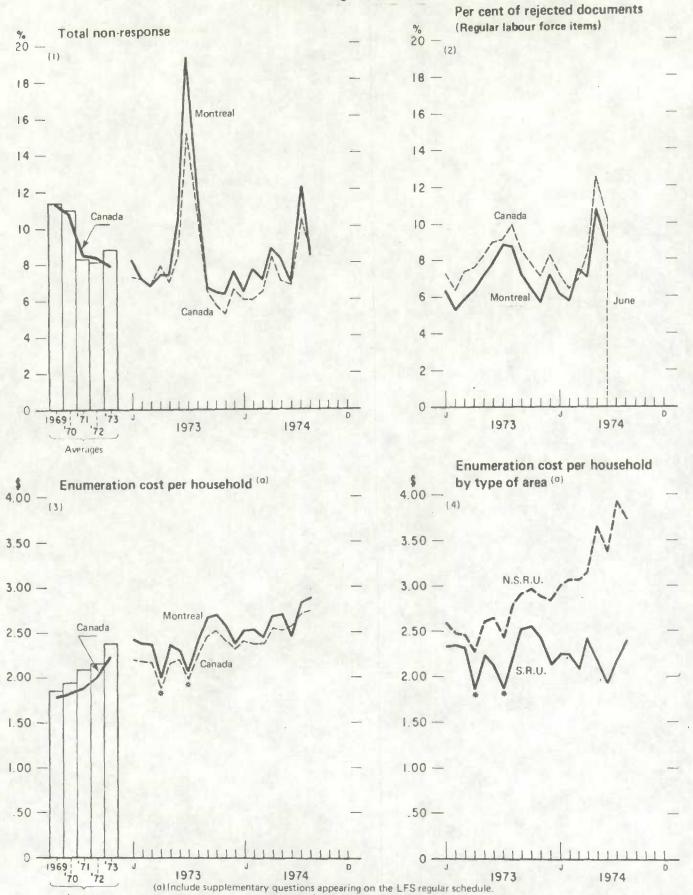


Halifax Regional Office





Montreal Regional Office



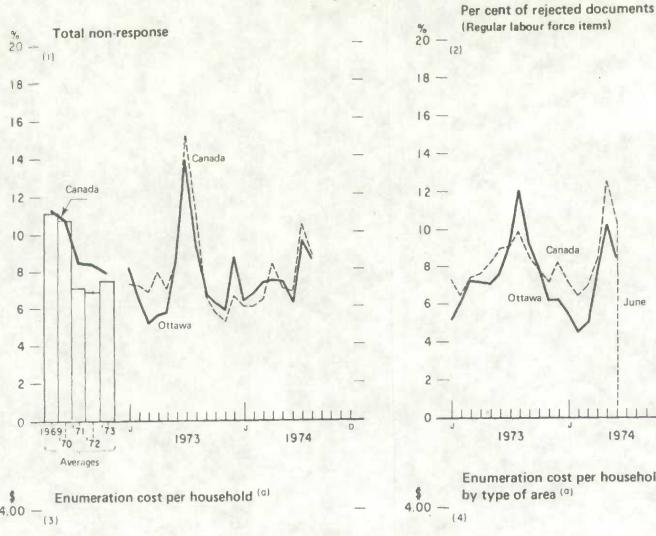
* The variation in the enumeration cost is due to a major supplementary survey being conducted in conjunction with the regular Labour Force Survey.

Averages

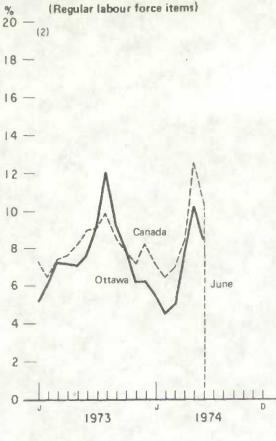
Marie Militaria de la companya del companya de la companya del companya de la com

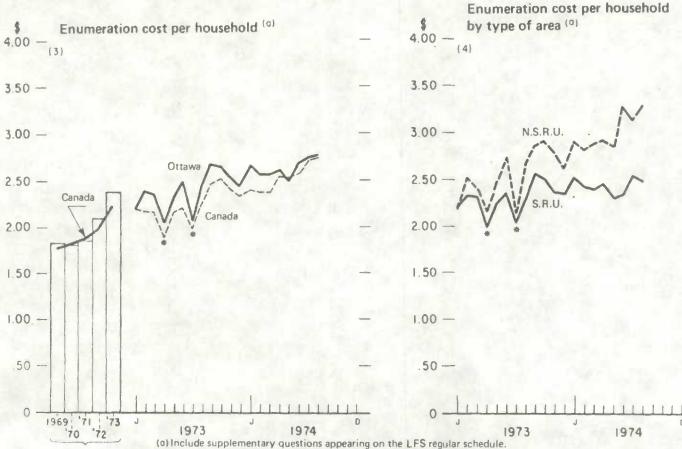
Transfer of the latest

Ottawa Regional Office

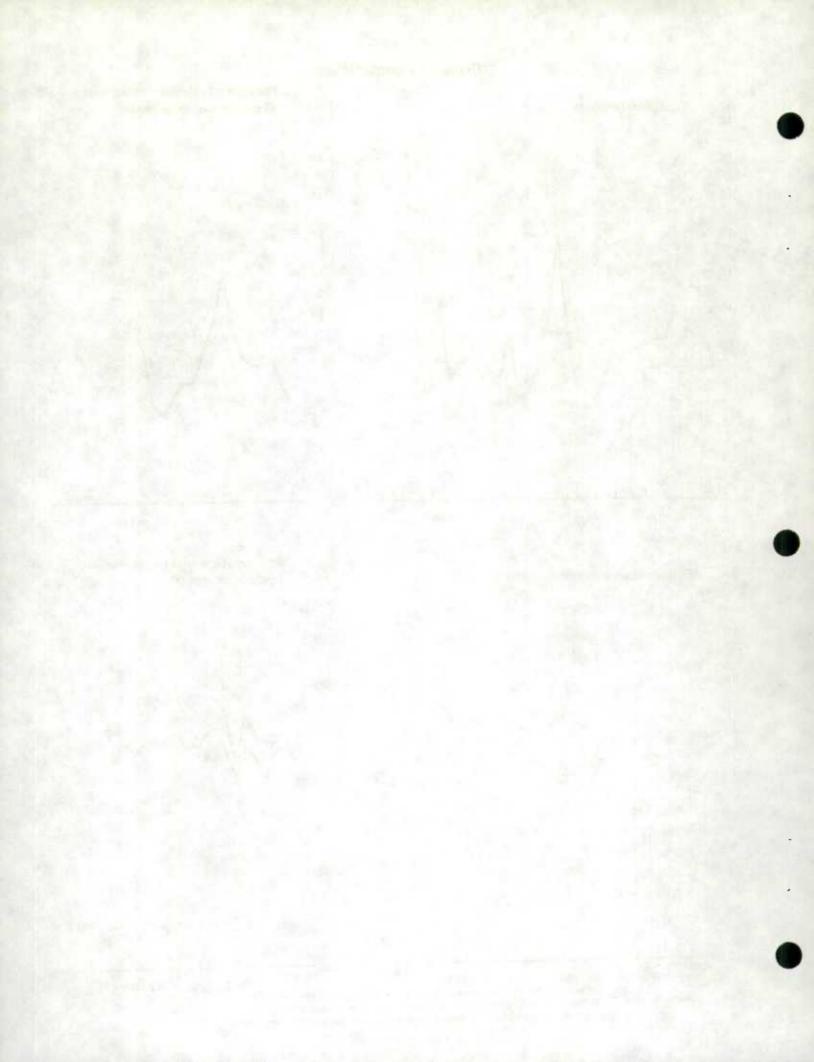


Averages





* The variation in the enumeration cost is due to a major supplementary survey being conducted in conjunction with the regular Labour Force Survey.

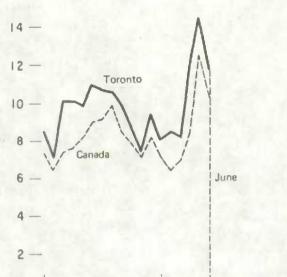


Toronto Regional Office

Total non-response 18 -16 -14 -Canada 12 -10 -Canada Toronto 2 -9 71 72 1973 1974 Averages

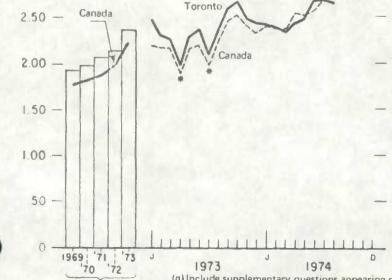
Per cent of rejected documents (Regular labour force items)





Enumeration cost per household (o)

3.00 -

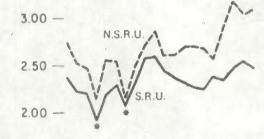


Averages

Enumeration cost per household by type of area (0)

1974

3.50 -



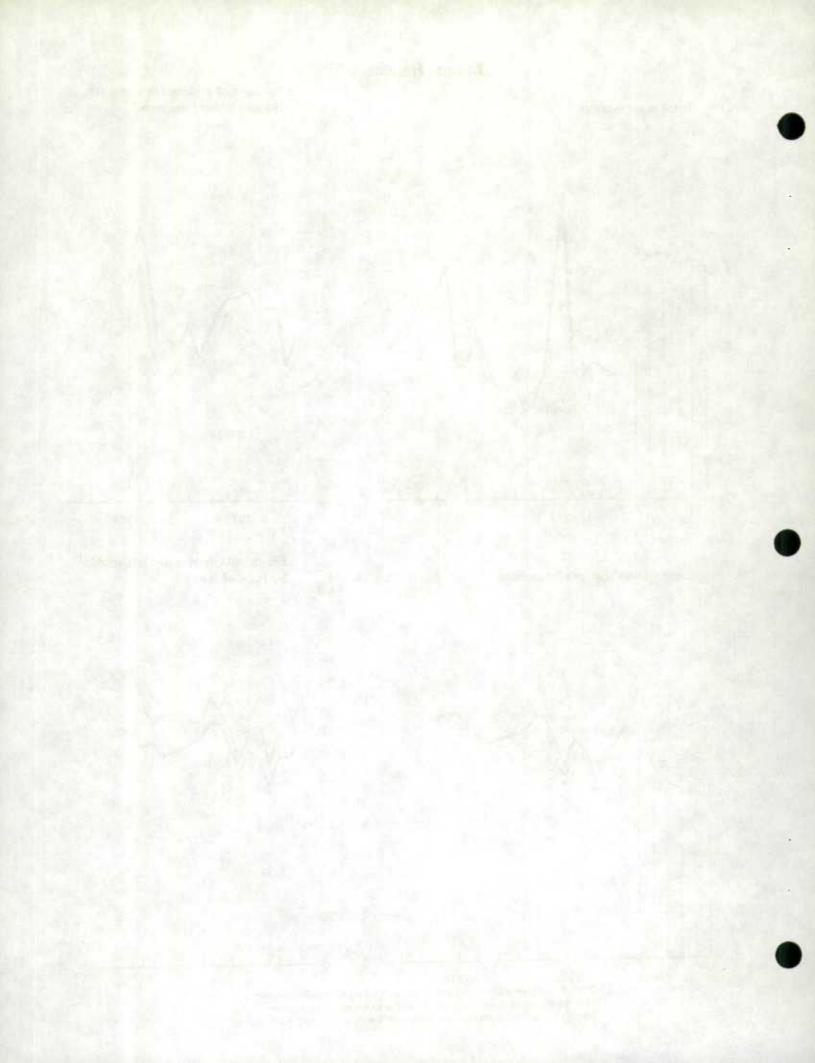
1973

- 1.50 -
- 1.00 -
- .50 ---
- 1973 1974

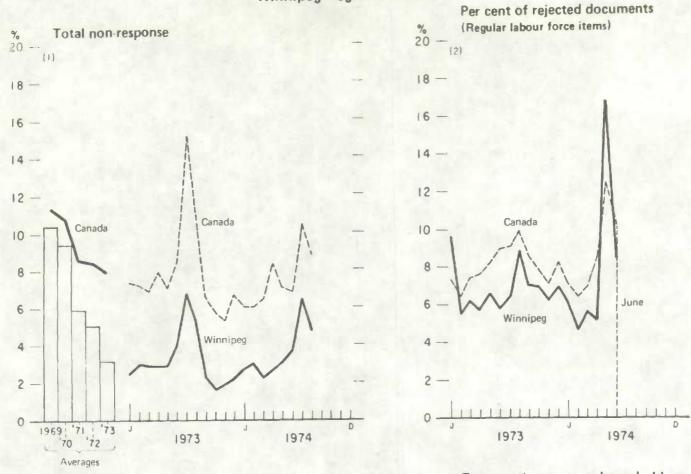
(a) Include supplementary questions appearing on the LFS regular schedule.

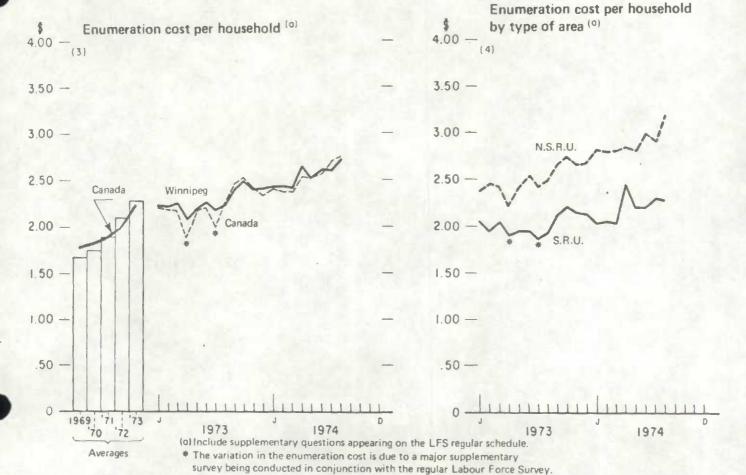
1974

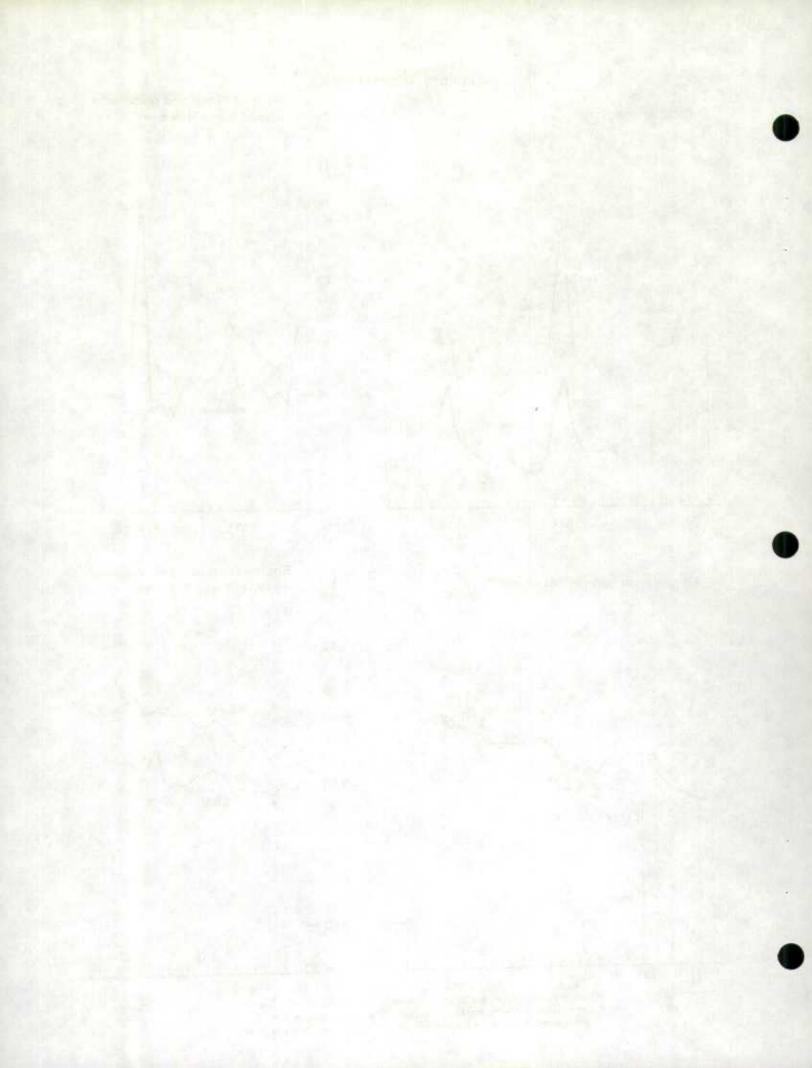
* The variation in the enumeration cost is due to a major supplementary survey being conducted in conjunction with the regular Labour Force Survey.



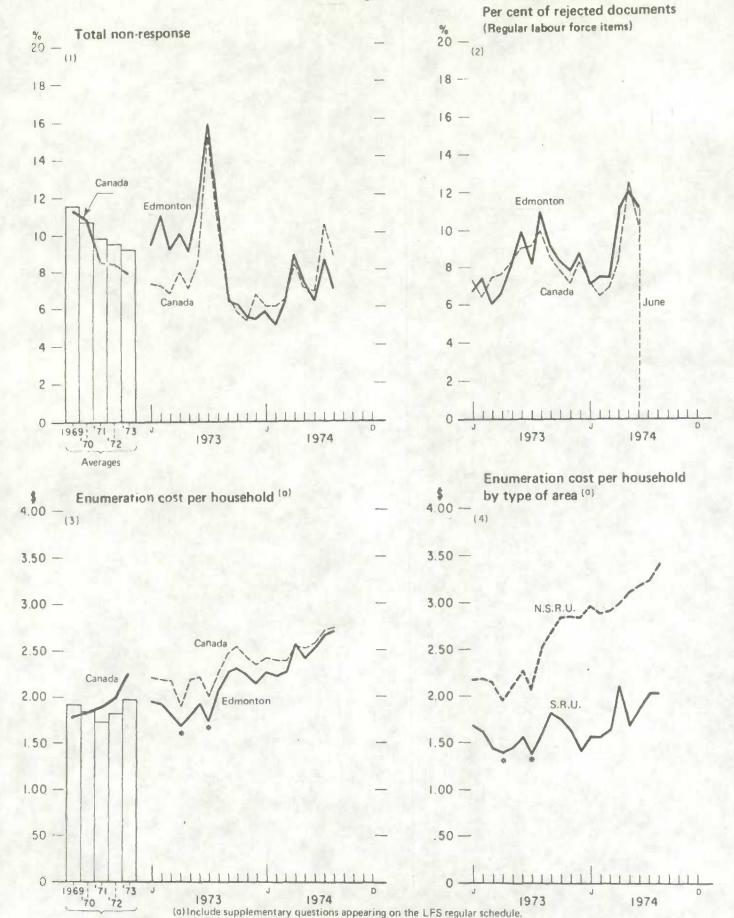
Winnipeg Regional Office







Edmonton Regional Office

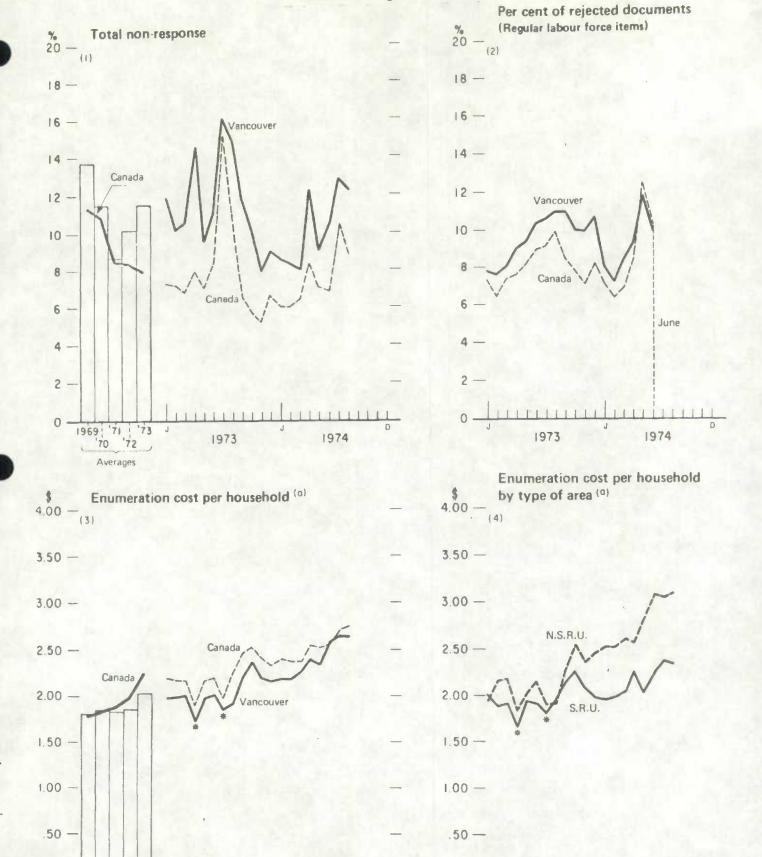


 The variation in the enumeration cost is due to a major supplementary survey being conducted in conjunction with the regular Labour Force Survey.

Averages

1974

Vancouver Regional Office



(a) Include supplementary questions appearing on the LFS regular schedule.

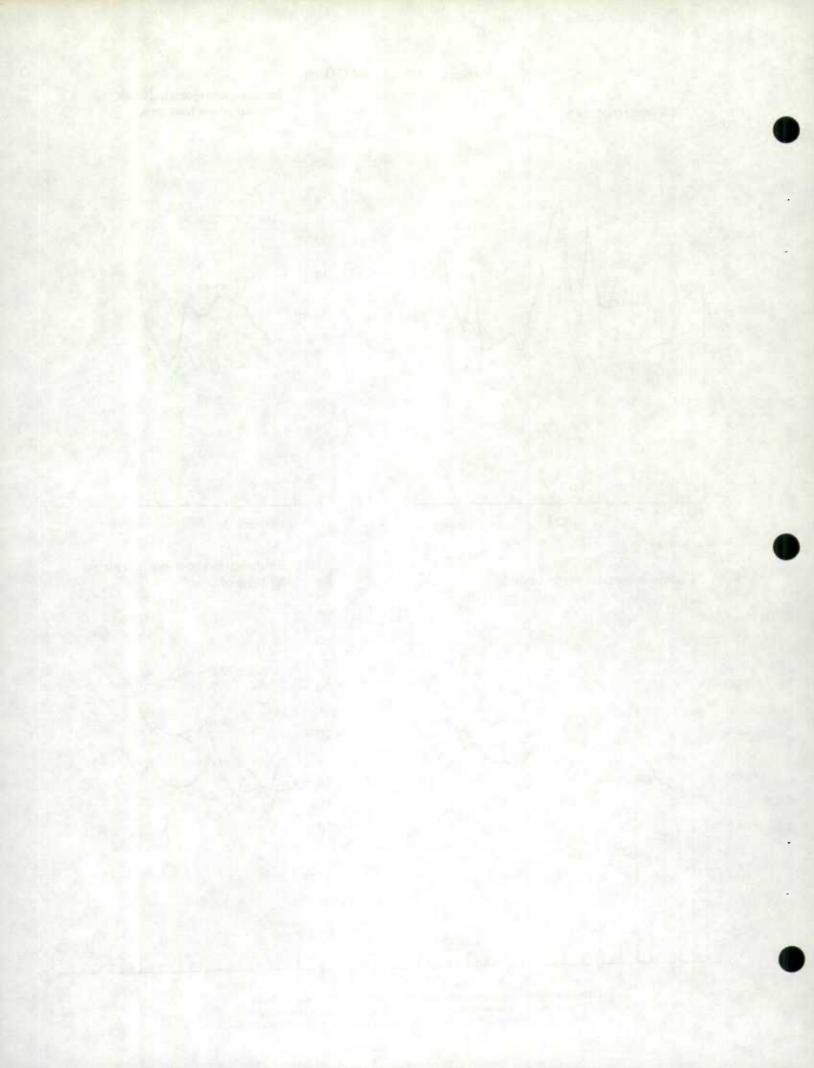
* The variation in the enumeration cost is due to a major supplementary survey being conducted in conjunction with the regular Labour Force Survey.

1974

1969 71 73

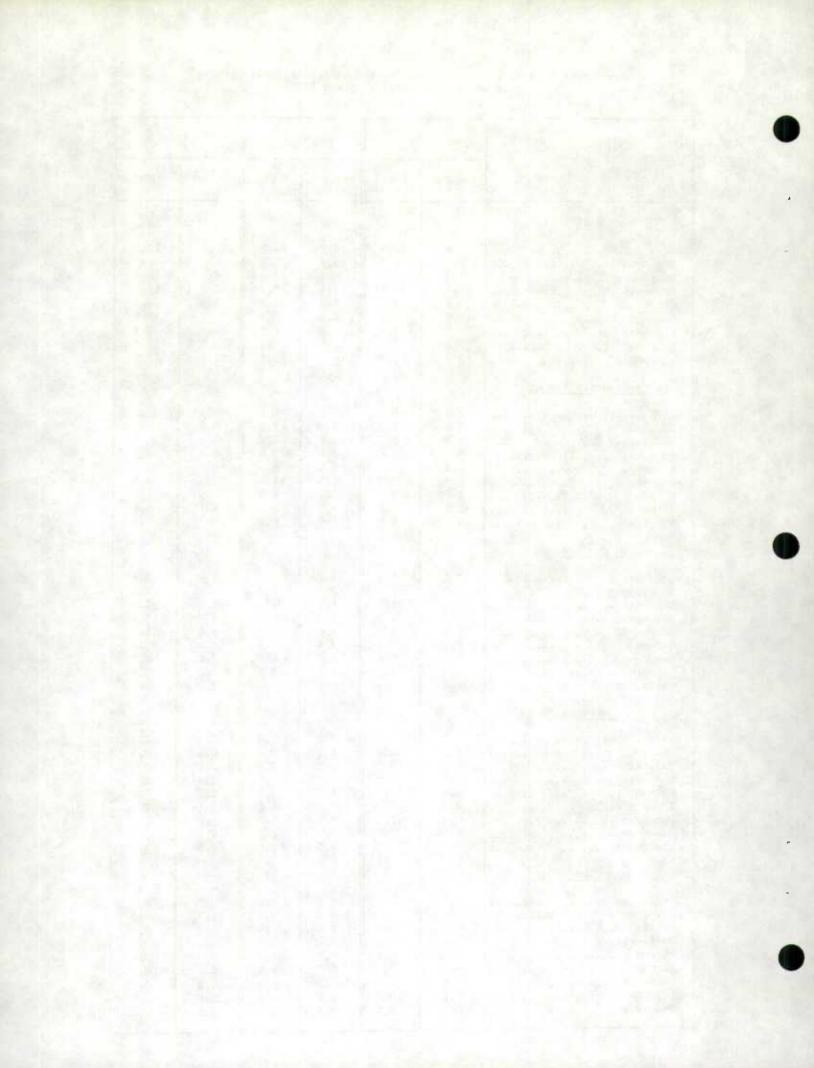
Averages

1973

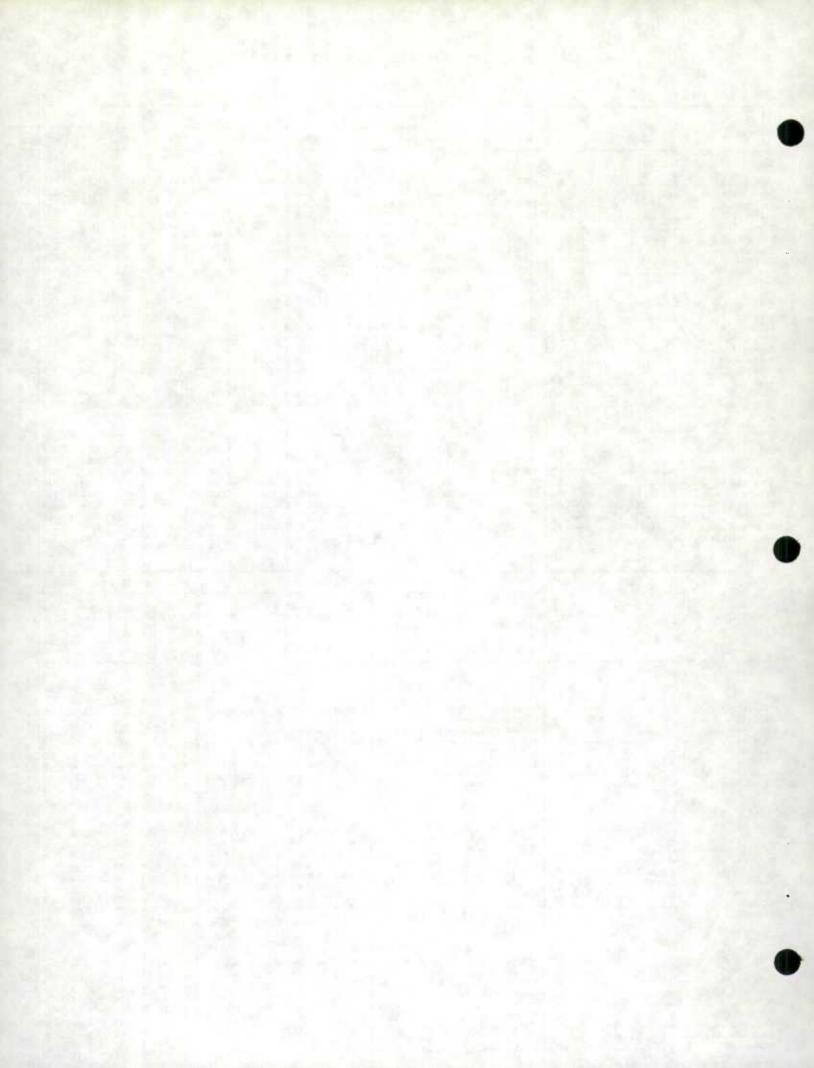


Non-Response Rates by Components, Canada and the Regional Offices July and August 1972, 1973 and 1974

	197	14	19	73	197	2
	August	July	August	July	August	July
Total						
Canada St. John's Halifax Montreal Ottawa Toronto Winnipeg Edmonton Vancouver	8.8 5.7 8.7 8.4 8.6 11.0 4.7 7.0 12.2	10.4 6.2 10.0 12.1 9.5 12.2 6.4 8.5 12.8	10.9 9.7 9.8 12.1 9.2 11.4 5.2 11.4 14.9	15.1 14.0 13.4 19.2 13.9 16.2 6.7 15.8 16.0	10.1 8.0 9.3 10.3 7.9 11.2 4.9 11.7 13.8	12.4 -9.5 9.4 15.7 9.8 13.8 7.2 14.8
Temporarily Absent						
Canada St. John's Halifax Montreal Ottawa Toronto Winnipeg Edmonton Vancouver	4.7 3.6 4.8 4.0 5.2 6.3 2.8 3.3 5.8	6.1 3.9 5.7 7.4 5.3 7.7 3.5 5.1 6.0	5.6 6.0 5.6 6.2 4.2 6.5 3.1 5.3 6.0	9.1 7.3 7.4 12.6 8.6 11.4 4.3 8.6 6.9	5.1 5.0 4.5 4.9 4.3 6.3 2.5 6.1 5.9	7.3 6.6 4.9 9.9 5.5 8.9 4.3 8.1 6.8
No one home						
Canada St. John's Halifax Montreal Ottawa Toronto Winnipeg Edmonton Vancouver	1.7 0.6 1.6 1.8 2.2 0.8 1.3 2.4	1.7 0.8 1.7 1.7 2.4 1.7 1.6 1.5	2.3 2.1 1.6 2.3 3.0 2.4 1.2 2.7 3.5	3.2 2.2 3.1 4.4 2.9 2.6 1.4 3.7 4.3	2.0 1.2 1.5 2.7 1.4 2.1 0.6 3.0 2.7	2.1 1.0 1.4 3.0 1.5 1.9 0.7 3.7 2.6
Refusals						LEW
Canada St. John's Halifax Montreal Ottawa Toronto Winnipeg Edmonton Vancouver	1.9 1.1 1.8 2.1 1.5 2.0 0.8 1.3 3.6	2.1 1.1 2.0 2.2 1.7 2.2 1.1 1.7 3.7	2.3 1.2 2.2 2.2 1.7 1.8 0.7 2.7 4.5	1.9 0.8 2.0 1.7 2.0 1.6 0.7 2.1 3.8	2.3 0.8 2.5 2.4 1.8 2.1 1.6 2.0 2.9	2.4 0.9 2.6 2.5 2.2 2.6 1.7 2:1 3.3
<u>Other</u>						
Canada St. John's Halifax Montreal Ottawa Toronto Winnipeg Edmonton Vancouver	0.5 0.4 0.5 0.7 0.1 0.5 0.3 1.1	0.5 0.4 0.6 0.8 0.1 0.6 0.2 0.2	0.7 0.4 0.4 1.4 0.3 0.7 0.2 0.7	0.9 3.7 0.9 0.5 0.4 0.6 0.3 1.4	0.7 1.0 0.8 0.3 0.4 0.7 0.2 0.6 2.3	0.6 1.0 0.5 0.3 0.6 0.4 0.5 0.9



	1974							1973				
	August	July	June	May	April	March	August	July	June	May	April	March
All areas									-		Ma	100
Canada \$	2,73	2,70	2.56	2.51	2.53	2.38	2.24	1.98	2.20	2.17	1.89	2.17
St. John's\$	3.32	3.26	3.04	3.01	2.61	2.72	2.50	2.10	2.50	2.59	2.17	2.52
Halifax\$	2.59	2.57	2.32	2.41	2.48	2.32	2.10	1.89	2.02	1.98	2.00	1.95
Montreal\$	2.88	2.81	2.45	2.69	2.61	2.43	2.41	2.07	2.30	2.33	2.05	2.36
Ottawa \$	2.76	2.73	2.68	2.49	2.43	2.35	2.37	2.09	2.37	2.29	1.98	2.27
Winnipeg\$	2.71	2.60	2.61	2.51	2.64	2.41	2.22	2,16	2.25	2.19	2.07	2.24
Edmonton\$	2.69	2.65	2.53	2.40	2.54	2,26	2.06	1.72	1.91	1.78	1.66	1.79
Vancouver\$	2.63	2.65	2.58	2.34	2.39	2.26	1.92	1.84	2.01	1.98	1.72	2.00
S.R.U.							-					
Canada \$	2.34	2.33	2.17	2.16	2.34	2.09	2.09	1.85	2.06	2,04	1.78	2,04
St. John's\$	2.57	2.69	2.38	2,35	2.54	2.27	2.20	1.85	2.27	2.36	2.13	2.18
Halifax\$	2.22	2.19	1.94	2.10	2.20	2.10	1.68	1.89	1,80	1.80	1.55	1.68
Hontreal\$	2.37	2.18	1.92	2.17	2.41	2.09	2.21	1.88	2.13	2.23	1.98	2.32
Ottawa \$	2.48	2.53	2.34	2.33	2.39	2.24	2.32	2.06	2.31	2.20	1.92	2.19
Toronto \$ Winnipeg \$	2.25	2.28	2,19	2,19	2.43	2.01	1.92	1.86	1.94	1.94	1.90	2.04
Edmonton\$	2.01	2,04	1,86	1.68	2.10	1.63	1.60	1.37	1.55	1.44	1.39	1.43
Vancouver\$	2.34	2.38	2.26	2.03	2.26	2.04	1.94	1.80	1.92	1.94	1.65	1.90
N.S.R.U.												
Canada\$	3.23	3.17	3.05	2.97	2.78	2.75	2.44	2.15	2.40	2.32	2.04	2.31
St. John's\$	3.60	3,47	3.28	3.25	2.64	2.89	2.59	2.20	2.60	2.67	2,18	2.64
Halifax\$	2.83	2.80	2.56	2.61	2.65	2.46	2,24	2.00	2.16	2.10	1.85	2.12
Montreal\$	3.73	3.92	3.38	3.64 2.85	3.13	3.07 2.89	2.80	2,43	2.64	2.61	2.28	2.41
Ottawa \$ Toronto \$	3.07	3.05	3.18	2.89	2.55	2.67	2.51	2.16	2.54	2.55	2.14	2.47
Winnipeg\$	3.15	2.89	2.99	2.80	2.83	2.80	2.48	2,41	2.52	2.41	2.22	2.42
Edmonton\$	3.40	3.22	3.17	3.11	2.99	2.91	2.51	2.05	2.26	2.09	1.93	2.14
Vancouver\$	3.07	3.05	3.08	2.79	2.57	2.60	1.91	1.90	2.15	2.03	1.84	2.17
	-		Mon	th-to-mo	onth Char	nge			Ye	ar-to-y	ear Chan	ge
		197	74	877		10	73		August	T., 3.,	Tune	Mau
									August 1973	July 1973	June 1973	May 1973
	July	June	May	April	July	June	May	April	August	to July	June	to May
	August	July	June	May	August	July	June	May	1974	1974	1974	1974
All areas		ETT		750						1		1504
Canada\$	+ 0.03	+ 0.14	+ 0.05	- 0.02	+ 0.26	- 0.22	+ 0.03	+ 0 28	+ 0.49	+ 0 72	+ 0.36	+ 0.34
St. John's\$							- 0.09				+ 0.54	
Halifax\$							+ 0.04				+ 0.30	
Montreal\$							- 0.06				+ 0.15	
Ottawa \$ Toronto \$			+ 0.19				+ 0.16				+ 0.19	
Winnipeg\$			+ 0.10				+ 0.06				+ 0.30	
Edmonton\$			+ 0.13				+ 0.13				+ 0.62	0.00
Vancouver \$	- 0.02	+ 0.07	+ 0.24	- 0.05	+ 0.08	- 0.17	+ 0.03	+ 0.26			+ 0.57	
S. R. U.									100			
Canada , \$	+ 0.01	+ 0.16	+ 0.01	- 0.18	+ 0.24	- 0.21	+ 0.02	+ 0.26	+ 0.25	+ 0.48	+ 0.11	+ 0.12
St. John's\$					+ 0.35	-0.42	- 0.09	+ 0.23			+ 0.11	
Halifax \$			- 0.16			+ 0.09		+ 0.25	+ 0.34	+ 0.30	+ 0.14	+ 0.30
Montreal \$	+ 0.19	+ 0.26	- 0.25	- 0.24	+ 0.33	- 0.25	- 0.10	+ 0.37			- 0.21	
Ottawa\$ Toronto\$	- 0.03	+ 0.19	+ 0.05				+ 0.12				- 0.02	
Winnipeg\$		+ 0.09				- 0.25	+ 0.11				+ 0.16	
Edmonton\$	- 0.03	+ 0.18	+ 0.18	- 0.42	+ 0.23	- 0.18	+ 0.11	+ 0.05			+ 0.25 + 0.31	
Vancouver\$	- 0.04	+ 0.12	+ 0.23	- 0,23	+ 0.14	- 0.12	- 0.02	+ 0.29			+ 0.34	
N.S.R.U.	11/2											
	+ 0.06	+ 0.12	+ 0.08	+ 0.19	+ 0, 29	- 0.25	+ 0.08	+ 0.28	+ 0.79	+ 1.02	+0.65	+ 0 66
\$\$	+ 0.13	+ 0.19	+ 0.03	+ 0.61	+ 0.29 + 0.39	- 0.25 - 0.40	+ 0.08	+ 0.28 + 0.49	+ 0.79	+ 1.02 + 1.27	+ 0.65	+ 0.65
Hatifax\$	+ 0.13	+ 0.19	+ 0.03	+ 0.61	+ 0.39	- 0.40 - 0.16	- 0.07 + 0.06	+ 0.49	+ 1.01	+ 1.27	+ 0.65 + 0.68 + 0.40	+ 0.58
Hatifax \$ Hontreal \$	+ 0.13 + 0.03 - 0.19	+ 0.19 + 0.24 + 0.54	+ 0.03 - 0.05 - 0.26	+ 0.61 - 0.04 + 0.51	+ 0.39 + 0.24 + 0.37	- 0.40 - 0.16 - 0.21	- 0.07 + 0.06 + 0.03	+ 0.49 + 0.25 + 0.33	+ 1.01 + 0.59 + 0.93	+ 1.27 + 0.80 + 1.49	+ 0.68 + 0.40 + 0.74	+ 0.58 + 0.51 + 1.03
Hatifax \$ Hontreal \$ Octawa \$	+ 0.13 + 0.03 - 0.19 + 0.16	+ 0.19 + 0.24 + 0.54 - 0.17	+ 0.03 - 0.05 - 0.26 + 0.42	+ 0.61 - 0.04 + 0.51 - 0.06	+ 0.39 + 0.24 + 0.37 + 0.54	- 0.40 - 0.16 - 0.21 - 0.59	- 0.07 + 0.06 + 0.03 + 0.26	+ 0.49 + 0.25 + 0.33 + 0.30	+ 1.01 + 0.59 + 0.93 + 0.59	+ 1.27 + 0.80 + 1.49 + 0.97	+ 0.68 + 0.40 + 0.74 + 0.55	+ 0.58 + 0.51 + 1.03 + 0.39
Hafifax \$ Montreal \$ Ottawa \$ Toronto \$	+ 0.13 + 0.03 - 0.19 + 0.16 + 0.02	+ 0.19 + 0.24 + 0.54 - 0.17 - 0.13	+ 0.03 - 0.05 - 0.26 + 0.42 + 0.29	+ 0.61 - 0.04 + 0.51 - 0.06 + 0.34	+ 0.39 + 0.24 + 0.37 + 0.54 + 0.35	- 0.40 - 0.16 - 0.21 - 0.59 - 0.38	- 0.07 + 0.06 + 0.03 + 0.26 - 0.01	+ 0.49 + 0.25 + 0.33 + 0.30 + 0.41	+ 1.01 + 0.59 + 0.93 + 0.59 + 0.56	+ 1.27 + 0.80 + 1.49 + 0.97 + 0.89	+ 0.68 + 0.40 + 0.74 + 0.55 + 0.64	+ 0.58 + 0.51 + 1.03 + 0.39 + 0.34
Hatifax \$ Hottreal \$ Ottawa \$ Toronto \$ Winnipeg \$ Edmonton \$	+ 0.13 + 0.03 - 0.19 + 0.16 + 0.02 + 0.26 + 0.18	+ 0.19 + 0.24 + 0.54 - 0.17 - 0.13 - 0.10 + 0.05	+ 0.03 - 0.05 - 0.26 + 0.42 + 0.29 + 0.19 + 0.06	+ 0.61 - 0.04 + 0.51 - 0.06 + 0.34 - 0.03 + 0.12	+ 0.39 + 0.24 + 0.37 + 0.54 + 0.35 + 0.07	- 0.40 - 0.16 - 0.21 - 0.59 - 0.38 - 0.11	- 0.07 + 0.06 + 0.03 + 0.26 - 0.01 + 0.11	+ 0.49 + 0.25 + 0.33 + 0.30 + 0.41 + 0.19	+ 1.01 + 0.59 + 0.93 + 0.59 + 0.56 + 0.67	+ 1.27 + 0.80 + 1.49 + 0.97 + 0.89 + 0.48	+ 0.68 + 0.40 + 0.74 + 0.55 + 0.64 + 0.47	+ 0.58 + 0.51 + 1.03 + 0.39 + 0.34 + 0.39
Hatifax \$ Hotifax \$ Hotifax \$ Hotoreal \$ Outawa \$ Toronto \$ Winnipeg \$	+ 0.13 + 0.03 - 0.19 + 0.16 + 0.02 + 0.26 + 0.18	+ 0.19 + 0.24 + 0.54 - 0.17 - 0.13 - 0.10 + 0.05	+ 0.03 - 0.05 - 0.26 + 0.42 + 0.29 + 0.19	+ 0.61 - 0.04 + 0.51 - 0.06 + 0.34 - 0.03 + 0.12	+ 0.39 + 0.24 + 0.37 + 0.54 + 0.35 + 0.07 + 0.46	- 0.40 - 0.16 - 0.21 - 0.59 - 0.38 - 0.11 - 0.21	- 0.07 + 0.06 + 0.03 + 0.26 - 0.01	+ 0.49 + 0.25 + 0.33 + 0.30 + 0.41 + 0.19 + 0.16	+ 1.01 + 0.59 + 0.93 + 0.59 + 0.56 + 0.67 + 0.89	+ 1.27 + 0.80 + 1.49 + 0.97 + 0.89 + 0.48 + 1.17	+ 0.68 + 0.40 + 0.74 + 0.55 + 0.64	+ 0.58 + 0.51 + 1.03 + 0.39 + 0.34 + 0.39 + 1.02



RELATED TO SECTION IA

Elippane - population slippage is defined as the percentage difterence between the Census population projection, Pp (preliminary projections based on the 1971 Census) for a given month and the population estimate Pp derived from the Labour Force Survey sample for the same month. It is given by

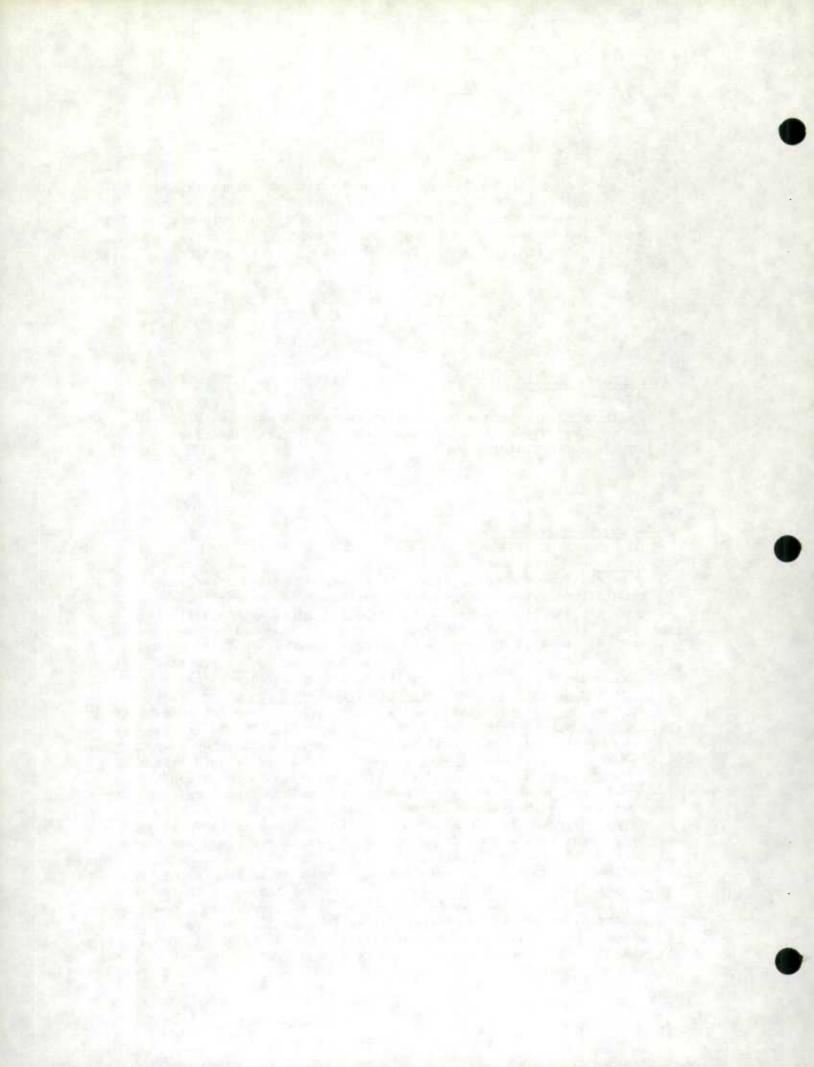
$$\frac{P_p - \hat{P}_p}{P_p} = 100$$

RELATED TO SECTION IB

Total non-response - proportion of households which were not interviewed due to lack of co-operation or their unavailability to the survey interviewer.

RELATED TO SECTION 1C

Variance - There is a certain amount of error present in any estimate btained from a sample, (due to the lack of complete information about the population). The average of the estimates, obtained from the various possible samples, is called the expected value of the estimate. If the difference between an estimate and its expected value is squared and this squared difference is averaged over all possible samples which could be selected from the sample frame, we obtain the sampling variance. The square root of the sampling variance is called the standard deviation. The coefficient of variation of an estimate is defined to be the standard deviation of the estimate divided by the estimate times 100 to convert to a percentage. If the expected value of an estimate is not equal to the true population value then the estimate is sai' to be biased. Among the causes of this bias are non-response, slippage and processing errors. The square of the difference between an estimate and the true population value averaged over all possible samples from the sample frame is called the mean square error. The variance estimate for a characteristic is influenced by changes in the population size, the sample size, and the frequency of the characteristic being considered. For these reasons the variance estimates should be standardized; the binomial factor is one such standardization. The binomial factor is defined to be the ratio of the variance estimate to an estimate of what the variance would be if a similar sample has been obtained through a simple random sampling procedure. The binomial factor measures the behaviour of the sample design relative to a simple random sample as far as the characteristic is concerned.



RELATED TO SECTION 10

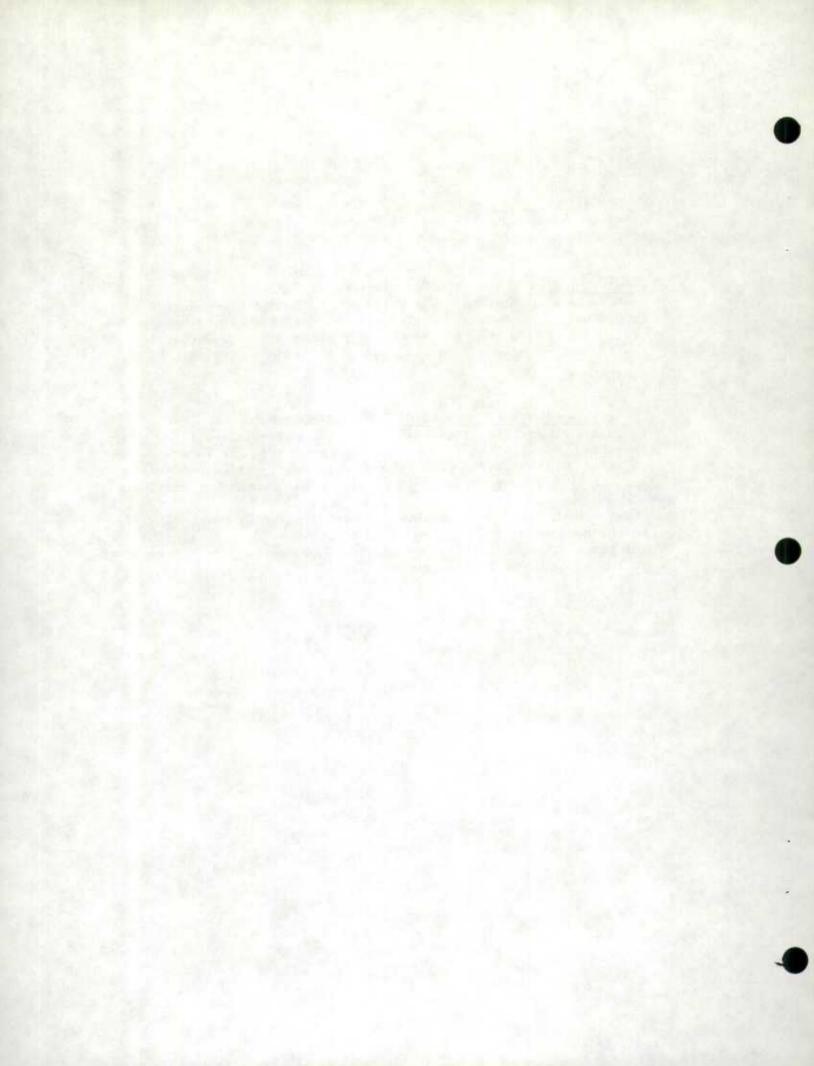
Percentage of Rejected Documents - The Summary Table and Charts give the percentage of labour force documents requiring clerical edits due to missing or inconsistent entries in the regular labour force items.

<u>Careless Errors</u> - The term "careless errors" refers to omissions, poor marks and inconsistent entries on the Labour Force schedule for identification, sex, marital status, relationship to head and age as taken from the entries on the Household Record Card, plus the failure to answer item 26, "Was this person interviewed?"

RELATED TO SECTION 1E

Enumeration Cost per Household - The per household costs are calculated using the total number of households sampled for the survey in relation to the cost incurred to do the interviewing, in terms of fees paid to the interviewer (hourly rated employee) and the interviewer expenses to cover the assignment (mileage, etc).

Interviewing refers to obtaining the information by personal visit to the household, or by telephoning the household to obtain the information, for the LF survey and for supplementary questions added to the LF document for the current month.



Variances in the Labour Force Survey

Introduction

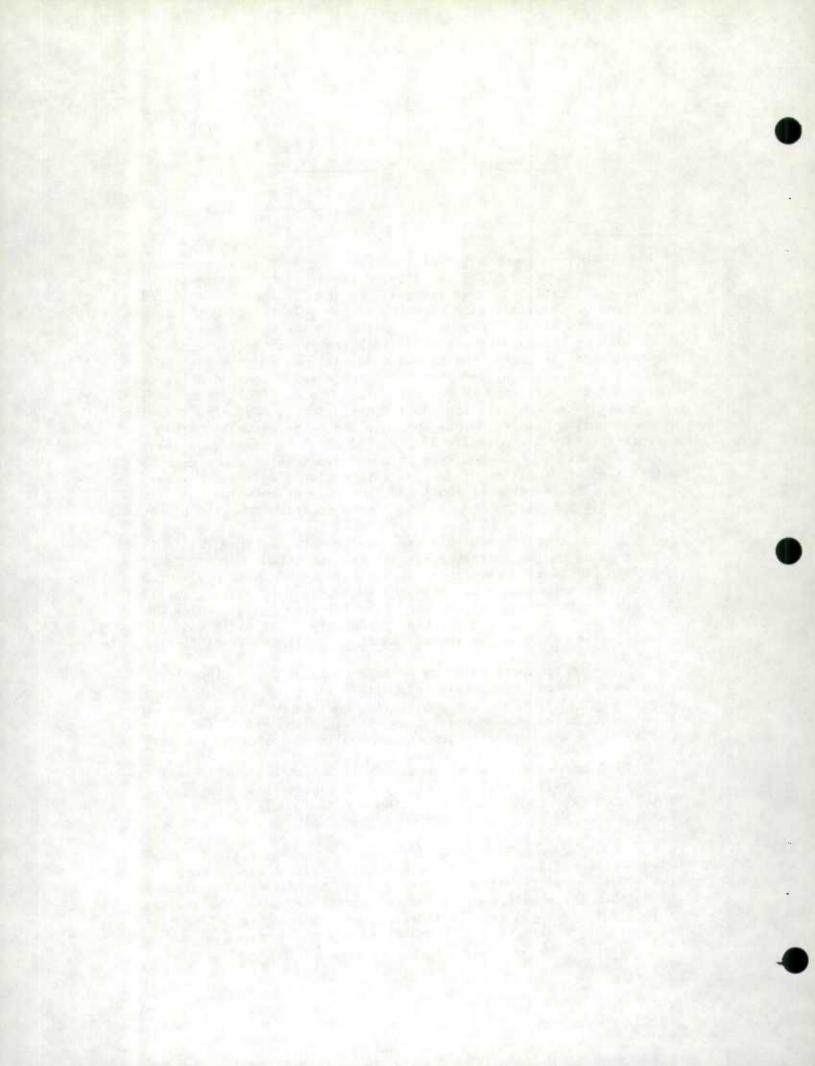
Another important quality measure pertaining to the statistics is that of sampling variance, defined by the mean square deviation of statistics over all possible samples from the expected value over all possible samples which may be selected from the sample frame. Due to the well designed sampling procedure and to careful processing of the data, the bias of this statistic should be small. The estimated variances, the standard deviations, and the coefficients of variation are calculated each month for a set of characteristics. From the estimated standard deviations and the coefficients of variation confidence intervals for published statistics, ignoring the effect of non-sampling errors, may be obtained under the assumption that estimated totals are normally distributed about the true population value. Thus if it is found that an unemployed estimate possesses a coefficient of variation of 3% them an unemployed estimate may vary 6% (2 standard deviations) about the true population value in either direction in 95% of the samples that could be drawn from the LFS frame.

Rough confidence intervals may be obtained from the lettered symbols given in the monthly publications (The Labour Force: Catalogue 71-001). Due to time deadlines for the release of these publications the lettered symbols are based on the average of the monthly coefficients of variation for the previous year. The lettered symbol, which indicates a range in which the coefficient of variation is expected to fall, gives the user an indication of the reliability of the estimate.

From any particular survey the obtained coefficient of variation will not necessarily fall within the range indicated by the lettered symbol found in the publication because of 1) the sampling variance of the estimated coefficient of variation and 2) the seasonal effects which are not reflected in the published lettered symbols.

Example: For an estimate of 175,000 with a coefficient of variation of 2.47% then in 95% of all different samples that could be selected from the sample frame, the estimate would deviate from the true population value by not more than 8,645.

The complexity of the formulas for the theoretical variance based on the multi-stage sampling procedure for the Labour Force Survey make it difficult to determine from the calculations alone if the variances are high considering the sample design or the frequency of the characteristic even if they are high for purposes of analysis. Because conflicients of variation decrease with increases in the



population, the sample size and the frequency of the characteristic, the calculated variances should be compared with some standard values.

Assuming a similar number of persons were drawn at random in each province one such standard value is the corresponding random sample variance, which is a function of the population size, the sample size, and the frequency of the characteristic. The ratio of the estimated variance from the computer programs to this random sample variance or the binomial factor is calculated monthly for each characteristic.

The higher the factor the worse the sample design relative to a simple random sample as far as the characteristic is concerned. A high factor may be the result of limitations imposed by cost restrictions and not the result of a bad sample design.

High factors do indicate where further analysis should be undertaken and where there is potential for improvement in the present sample design. High variances at provincial levels are frequently attributable to one or two PSUs so that for quality studies, the analysis will often centre around studies of sub-provincial contributions to the total variance. In table I are included the binomial factors and the coefficients of variation for several estimates.

Definitions

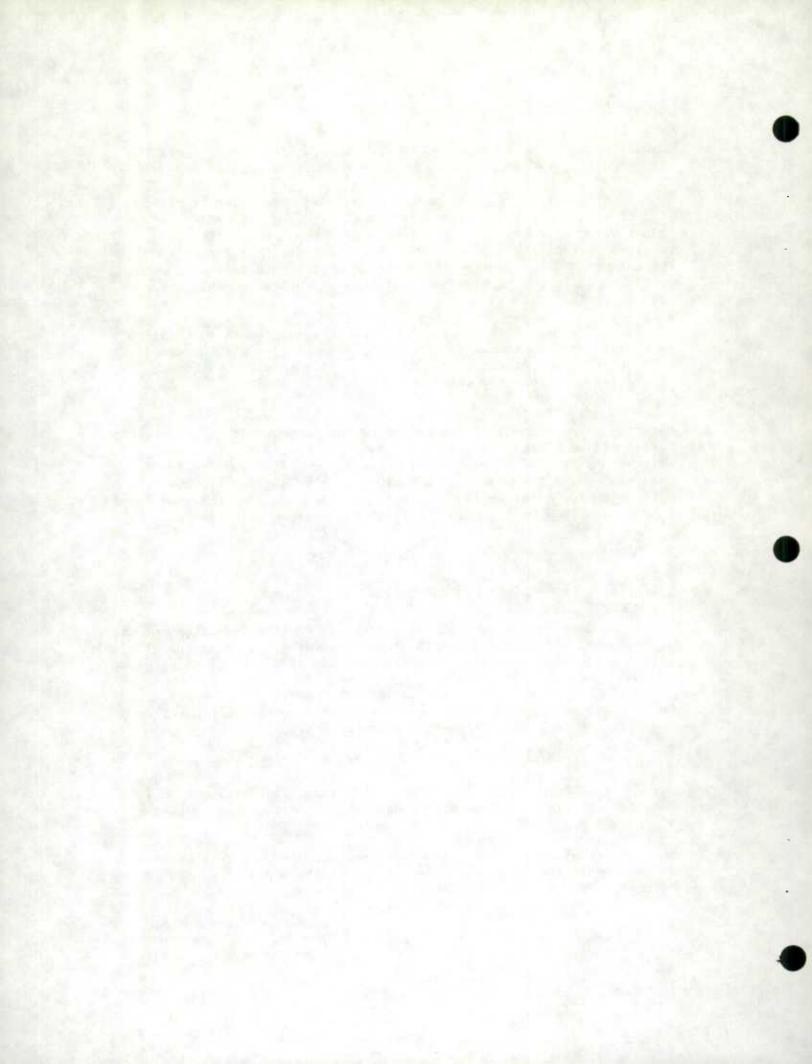
Sampling variance: The average of squared deviations of statistics over all possible samples from the average value of the statistics over all possible samples (neglecting the effect of non-sampling errors).

Non-sampling errors: Deviations from the true (but usually unknown) value of a statistic caused by factors other than sampling (such as non-response, slippage, coding errors).

Standard eviation: The square root of the sampling variance.

Coefficient of variation: The standard deviation expressed as a percent of the estimate of a quantity, sometimes termed percent standard deviation.

Confidence intervals: The intervals in which the unknown value of the population to be estimated from a sample may be expected to lie a given percent of the time (commonly 95% of the time).



Binomial Factor (design effect): The ratio of the variance of a statistic as estimated from the sample considering the sample design compared with the variance of a statistic obtained in a simple random sample of the same size.

Reliability: Not really a statistical term but referring in general to the standard deviation, variance of a statistic, and confidence interval. In Table 1, the coefficient of variation is used as a measure of the reliability of estimates.

The following table presents some results of the monthly Labour Force Survey. Included are estimates, coefficients of variation and binomial factors for the characteristics Employed. Unemployed and "In Labour Force".

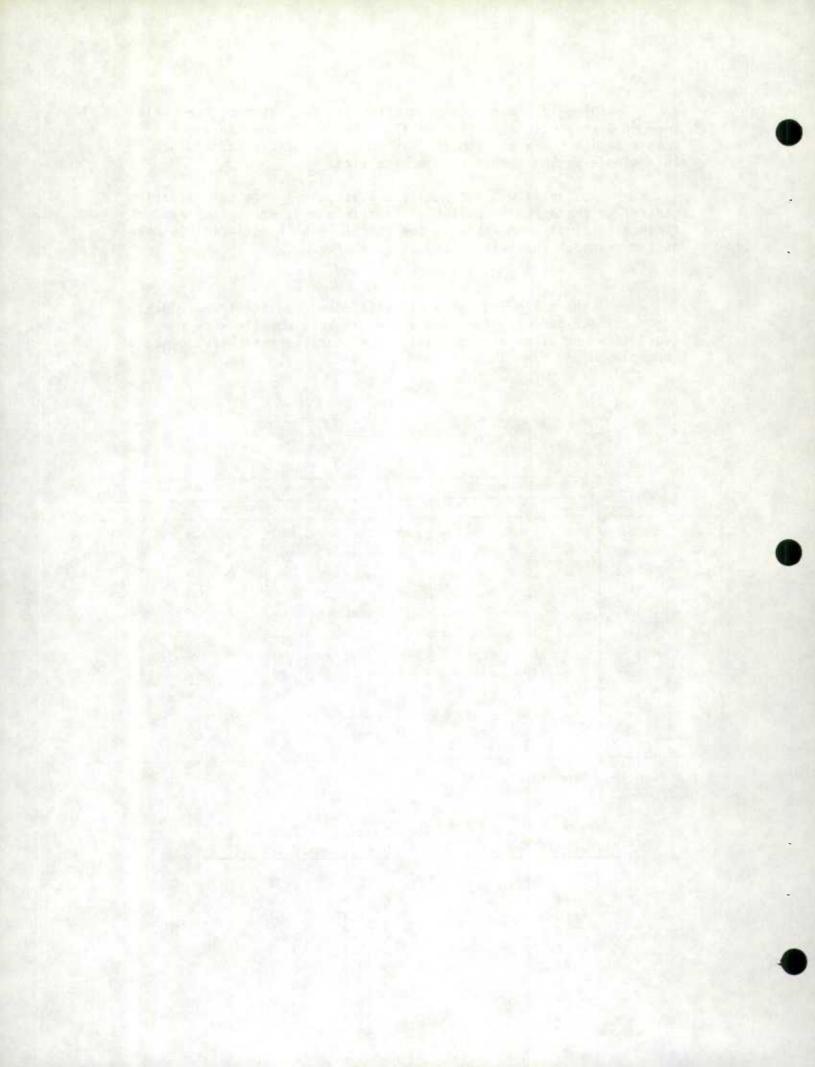
Table 1: Estimates, Their Coefficients of Variation and Their Binomial Factors for Canada and by Province for August, 1974

	Employed					Unemp	loyed		In Labour Force				
	Population Estimate	Estimate	c.v.	Symbol	B.F.	Estimate	C.V.	Symbol	B.F.	Estimate	C.V.	Symbol	B.F.
Canada	16,626	9,705	0.33	A	1.14	448	2.58	D	1.35	10,153	0.30	A	1.04
Nfld.	380	174	1.89	С	1.50	24	7.67	E	2.02	198	1.37	С	1.02
P.E.I.	82	47	2.70	D	1,21	2	13.03	F	0.46	49	2.28	С	0.94
N.S.	571	299	1.15	С	1,10	19	7.83	E	1.53	318	1.07	С	1.09
N.B.	478	252	1.47	С	1,55	13	9.50	E	1.67	265	1,41	С	1.59
Que.	4,635	2,606	0.74	В	1.22	159	4.52	D	1,28	2,765	0.66	В	1.1:
Ont.	6,076	3,710	0.52	A	0.96	140	5.05	E	1.32	3,850	0.47	A	0.8
Man.	725	430	1.10	С	0.78	11	14.07	F	1.23	441	1.07	С	0.75
Sask.	656	376	1.81	С	1.93	6	14.42	F	0.82	382	1.80	С	1.9
Alta.	1,221	766	0.98	В	1.19	16	10.94	F	1.14	782	0.97	В	1,2
B.C.	1,800	1,044	1.06	С	1,48	57	7.41	E	1.69	1,101	0.91	В	1.2

C.V. - Coefficient of Variation B.F. - Binomial Factor

Estimates in Thousands

Alp	habetic Symbol	Percent of Estimates One Standard Deviation	
711 3			_
	A	0.0 - 0.5%	
	В	0.6 - 1.0%	
1	C	1.1 - 2.5%	
1	D	2.6 - 5.0%	
100	E	5.1 - 10.0%	
	F	10.1 - 16.5%	
	G	16.6 - 25.0%	
	11	25.1 - 33.3%	
	J	33.4 - 50.0%	
	K	50.1 +	

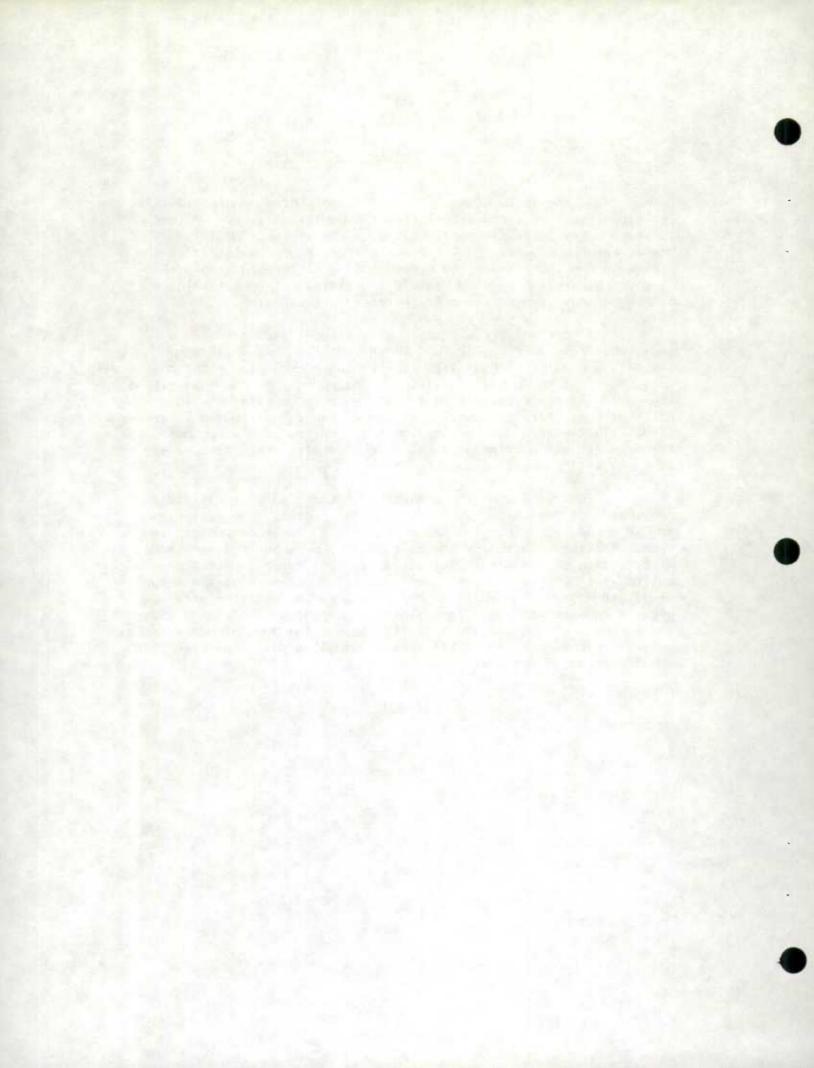


Analysis of Sub-Provincial Contributions to the Variance

On the basis of the binomial factor corresponding to the estimated total of a characteristic, the decision is made whether to study sub-provincial contributions to the variance of this characteristic or not. A high binomial factor or a substantial increase in the factor over the corresponding factors for the previous months indicate that a study should be carried out to determine the origins of the high variance or increase in the factor.

A portion of the provincial variance is contributed by each subunit or pair of PSUs and these contributions tallied over all subunits and pairs of PSUs yield the variance estimate of the characteristic total at the provincial level. The purpose of the analysis of subprovincial contributions to the variance is to determine those subunits or PSUs where the portion of the variance contributed is excessively large relative to a desired portion based on the population and sampling ratio in the sub-provincial area. Such "problem areas" are determined by a statistical test of hypothesis.

The results of the analysis for those characteristics and provinces, as determined by their binomial factors, are presented in Tables 2a, 2b, etc. The percentage of the variance contributed is simply the contribution by the pair of PSUs or subunit expressed as a percentage of the provincial variance. The desired percentage contribution is the ratio of a weighted population estimate of the subunit or stratum to a weighted total population estimate of the province expressed as a percentage. The weights (a weight of 1 for NSRU PSUs and a weight of 1.5 for SRU subunits) adjust the population estimates to take into account the difference in sampling ratios between NSRU and SRU parts of the province.



Adjusted Binomial Factors

The binomial factor or the ratio of the variance of a Labour Force estimate to the variance of this estimate if similar results had been obtained from a simple random sample is a measure of the quality of the variances of Labour Force estimates. For those estimates where the binomial factor is large, either absolutely or relative to previous months, a detailed study of the subprovincial contributions to the variance is carried out. This analysis essentially separates the subprovincial areas into two groups:

- 1) Those strata and subunits which contributed significantly in excess of the desired contribution by the area.
- and 2) Those strata and subunits which contributed more or less the desired contribution by the area.

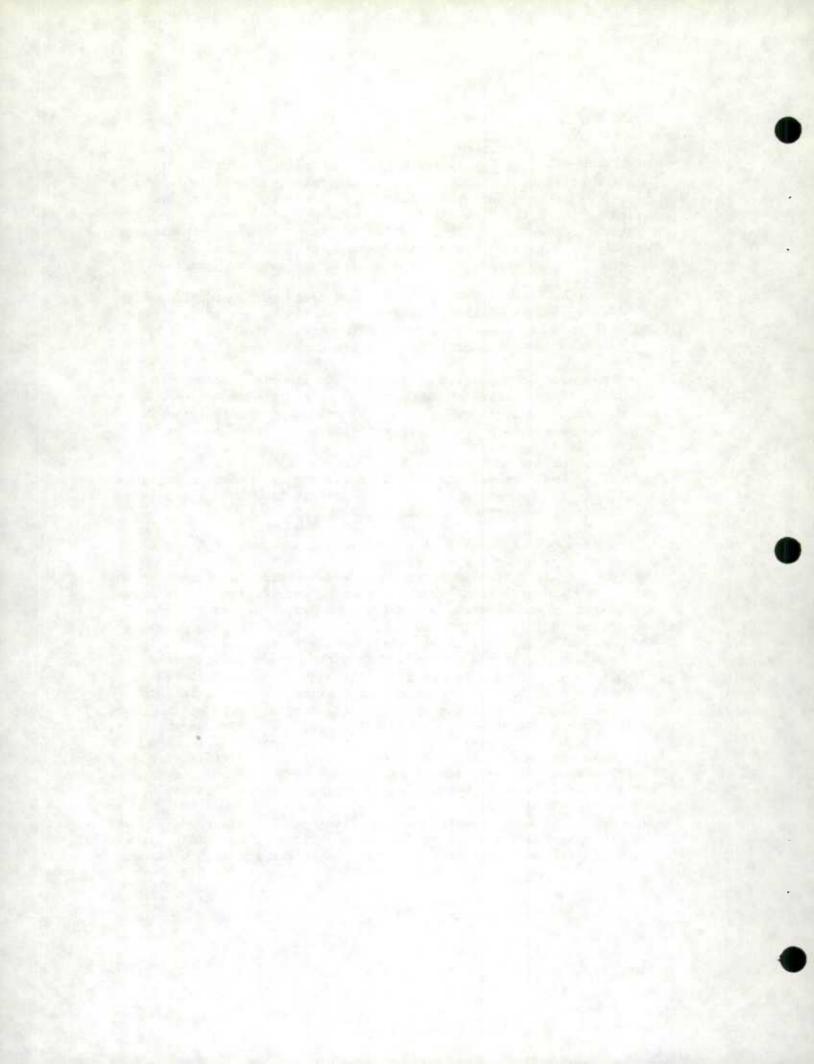
The question may arise as to what the binomial factor would have been if the strata or subunits in (1) contributed more or less the desired contribution, based on the estimated population. The adjustment which is proposed and which is being tried out for analysis is as follows:

- (i) The variance remains unchanged in (2)
- (ii) The variance is reduced in (1) and the combined variance in (1) and (2) is reduced so that the contribution in (1) and (2) are in direct proportion to weighted sample takes.

A more detailed write-up and algebraic development is to be presented in an LFSP series report.

The adjusted binomial factor reduces the binomial factor to a value it would have been had the variance contribution by the areas identified by (1) contributed in the same proportion as the areas identified in (2). If this adjusted binomial factor has approximately the same value as previous binomial factors in which a subprovincial analysis was not deemed necessary, then the subprovincial areas identified in (1) were the cause of the high variance. If the adjusted binomial factor is still in excess of previous binomial factors then the subprovincial areas identified in (1) although part of the cause of the high variance were not the only causes of a high variance; other causes might be a general clustering of the characteristic throughout the whole province, gradual deterioration of the stratification or other reasons. These binomial factors do possess a sampling variance and this results in rigorous interpretations of these binomial factors being impossible to make.

In the quality report variance, write-up, the adjusted binomial factors will be calculated to determine whether or not the subprovincial areas identified appear to be the main cause for the high variance.



For the estimate of Unemployed in New Brunswick the binomial factor has a value of 1.67. This value is considerably less than the binomial factor of 2.64 for the July survey but is higher than the binomial factors for Unemployed in most other provinces. The analysis of the subprovincial contributions to the provincial variance estimate resulted in the following table.

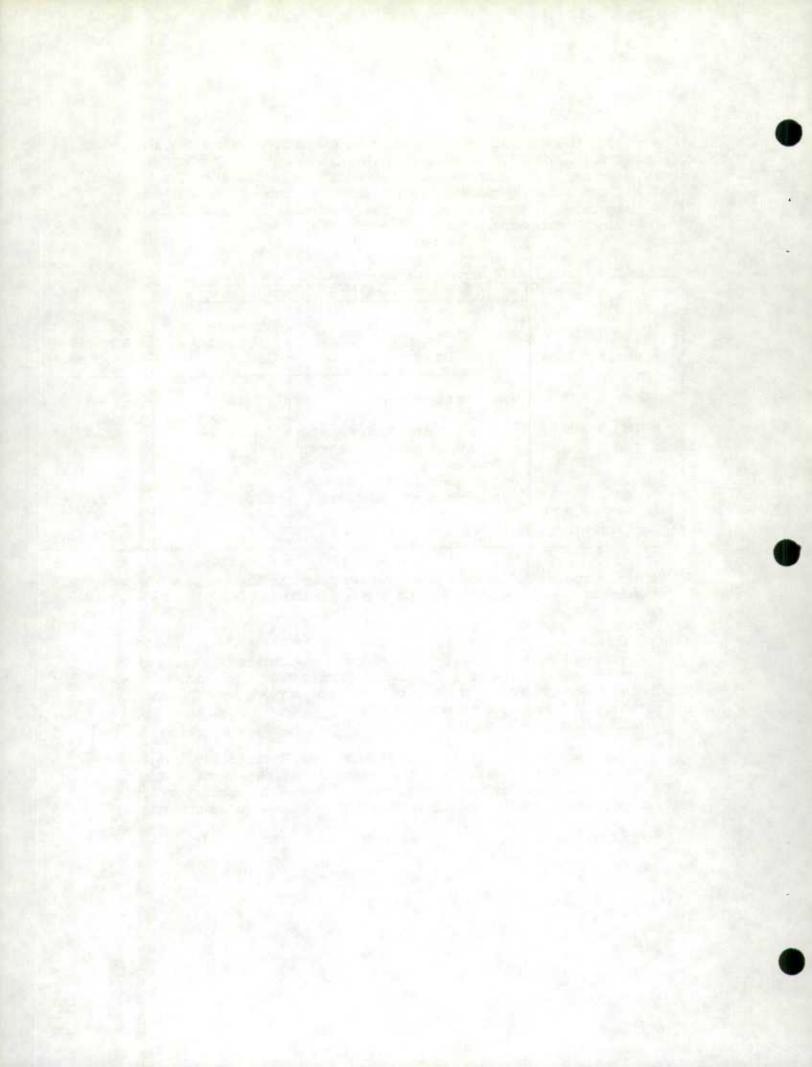
Table 2a) Actual vs Desired Contribution to the Variance of Unemployed in New Brunswick by PSUs and Subunits

Identification	Location	Percentage of the Variance Contributed	Desired Percentage Contribution
32009 & 32020	- mid western part of N.B.	18.8	4.4
33003 & 33005	- this stratum composes the southeast part of Economic Region 33(*)	11.1	3.4
30205	- a subunit in Moncton	6.9	2.3
31101	- a subunit in Saint John	6.7	2.1
All Other PSUs and Subunits		56.5	87.8

^(*) Economic region 33 is located in the northeast portion of the province bounded by the Gaspe Peninsula on the north and the Gulf of St. Lawrence on the east.

The adjusted binomial factor for the estimate of Unemployed in New Brunswick has a value of 1.07 which indicates that the above subprovincial areas are the main cause of the high sampling variability for the estimate of Unemployed in New Brunswick.

As noted, the pair of PSUs 32009 and 32010 contributed 18.8% of the variance of the estimate of Unemployed in New Brunswick. This is to be compared with a desired contribution of 4.4%. A detailed analysis was carried out to determine the causes of this excessive contribution.

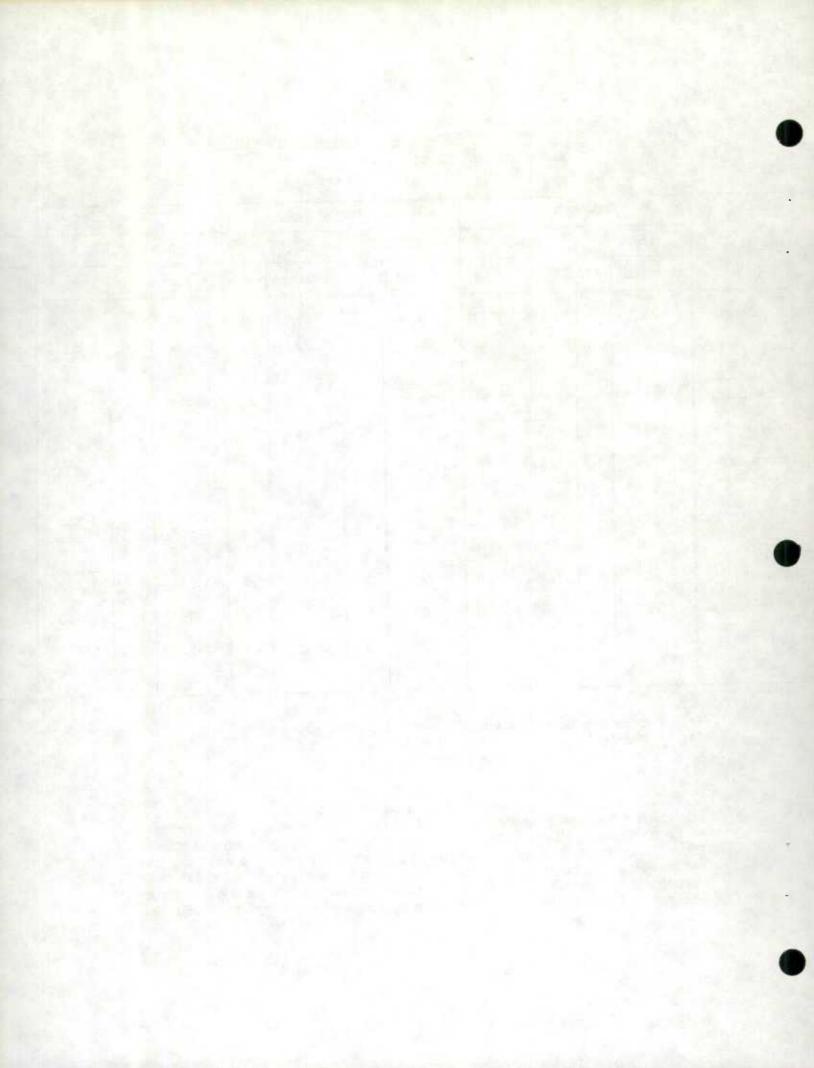


Estimates and Sample Takes by Characteristic and PSU for PSUs 32009 and 32010

indsh ki	E	mplo	yed			Unemployed					In Labour Force				
Industry	32009	(**)	32010	32009		3201			32009		32010				
	Estimate	#	Estimate	#	Estimate	#	Estimate	#	Estimate	#	Estimate	#			
Agriculture	287	4	206	3	0	0	0	0	287	4	206	3			
Other Primary Industries	606	7	1,328	16	157	2	0	0	763	9	1,328	16			
Manufacturing	1,290	17	1,187	16	154	2	0	0	1,444	19	1,187	16			
Construction	857	11	518	8	0	0	0	0	857	11	518	8			
Transp. and Other Util.	709	10	633	10	0	0	0	0	709	10	633	10			
Trade	1,101	14	1,211	16	134	2	72	1	1,235	16	1,283	17			
Finance	70	1	0	0	0	0	0	0	70	1	0	0			
Services	859	11	1,392	20	225	3	0	0	1,084	14	1,392	20			
Public Admin.	767	10	532	6	0	0	68	1	767	10	600	7			
TOTAL	6,546	85	7,007	95	670	9	140	2	7,216	94	7,147	97			

- (*) Est refers to the weighted sample take for the PSU
- (**) # refers to the unweighted sample take for the PSU

From the above table it can be seen that there is a tendency for the unemployment to occur in PSU 32009 although there does not appear to be an unequal distribution of persons by industry between the two PSUs. There are 9 sampled individuals (corresponding to a half stratum estimate of 670 persons) who are classified as unemployed from PSU 32009 whereas there are 2 sampled individuals (corresponding to a half stratum estimate of 140 persons) who are classified as unemployed from PSU 32010.



The binomial factor for the estimate of Employed in Saskatchewan increased from 1.55 in July to 1.93 in August. One pair of PSUs were identified in which the actual contribution significantly exceeded the desired contribution by this subprovincial area.

Table 2b) Actual vs Desired Contribution to the Variance of Employed in Saskatchewan by PSUs and Subunits

Identification	Location	Percentage of the Variance Contributed	Desired Percentage Contribution
71003 & 71009	- in the south- western part of Saskatchewan	11.7	1.9
All Other PSUs and Subunits		88.3	98.1

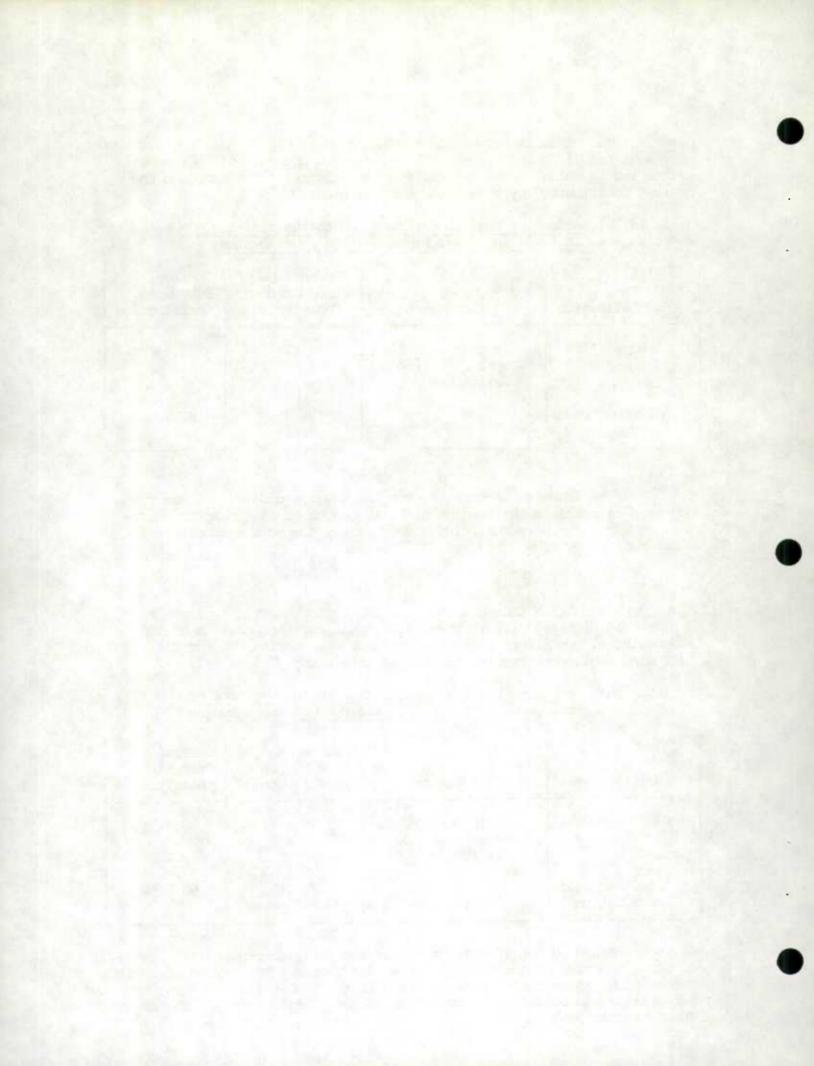
The adjusted binomial factor has a value of 1.74. Since the adjusted binomial factor remains high, the cause of high sampling variability for this characteristic is only partly due to the excessive contributions by PSUs 71003 and 71009.

In British Columbia the binomial factor for the estimate of Employed is high relative to the other provinces. An analysis of the subprovincial contributions to the variance was carried out and the following table presents the results of this study.

Table 2c) Actual vs Desired Contribution to the Variance of Employed in British Columbia by PSUs and Subunits

Identification	Location	Percentage of the Variance Contributed	Desired Percentage Contribution
97003 & 97008	- north central part of B.C.	15.6	3.4
92201	Penticton	3.2	2.2
92301	Vernon	2.9	1.0
All Other PSUs and Subunits		78.3	94.5

Based on the identification of the above subprovincial areas, the adjusted binomial factor has a value of 1.23. Since this value lies within a reasonable range for this characteristic the high estimate of the sampling variability can be explained by the excessive contributions in the above subprovincial areas.



In addition to the major Labour Force characteristics (Employed, Unemployed and In Labour Force), tables with estimates, coefficients of variation and binomial factors have been prepared for the estimated totals of persons employed and unemployed in selected industries at the provincial levels. On the basis of the binomial factors for these estimates, an analysis of the subprovincial contributions to the variance of some provincial estimates has been carried out. The estimates involved are:

- Employed Other Primary Industries in Newfoundland, Saskatchewan and British Columbia
- Employed Manufacturing in Newfoundland

The results of these analyses are discussed in subsequent sections of this report.

The binomial factor corresponding to the estimate of Employed - Other Primary Industries in Newfoundland has a value of 6.75 which is extremely high relative to the binomial factors in other provinces for this characteristic. An analysis of the subprovincial contributions to the variance estimate for the provincial estimate revealed 3 pairs of PSUs in which the actual contribution significantly exceeded the desired contribution to the variance estimate.

Table 4a) Actual vs Desired Contribution to the Variance of Employed
In Other Primary Industries for Newfoundland by PSUs and Subunits

Identification	Location	Actual Percentage Contribution	Desired Percentage Contribution
03003 & 03006 03041 & 03042	- Central portion of Nfld. extending east to the Atlantic coast	34.01	1.87
04021 & 04025	- western part of Nfld.	22.76	3.77
All Other PSUs and Subunits		35.67	92.38

The adjusted binomial factor for this characteristic has a value of 2.61 which lies within a reasonable range of the corresponding binomial factors for other provinces thus indicating that except for these identified subprovincial areas, the estimated variance is of a similar quality to the variance estimates for other provinces for this characteristic.

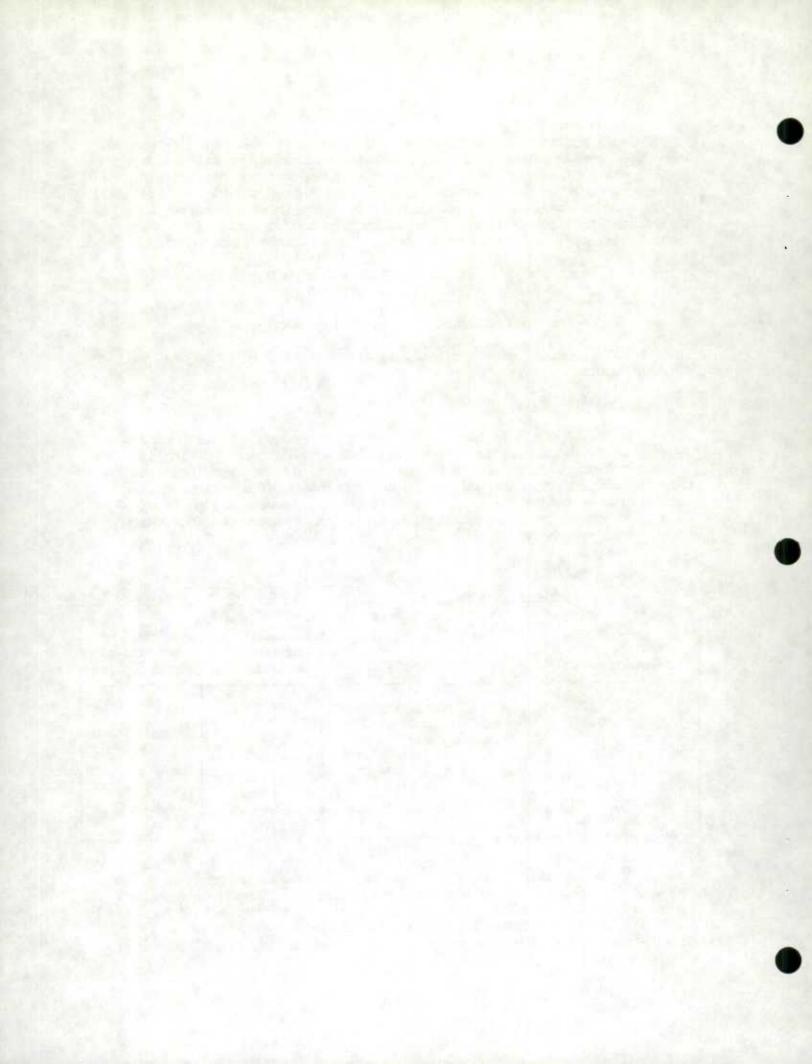


Table 3a) Level Estimates, Variance Estimates and Binomial Factors for Employed in Some Selected Industries

	Em	ployed Ag	riculture	Employed	Other Pri	mary Ind.	Employe	ed Manufac	cturing	Employed Construction			
	Estimate	c.v.	B.F.	Estimate	C.V.	B.F.	Estimate	c.v.	B.F.	Estimate	c.v.	B.F.	
an.	541,821	2.98	3.40	258,911	4.65	3.19	2,131,535	1.29	1.69	708,267	2.06	1.41	
fld.	1,710	21.77	1.15	11,360	19.56	6.75	23,426	10.22	3.45	19,927	9.11	2.33	
.E.I.	6,898	18.90	4.45	2,105	22.10	1.69	4,361	15.49	1.60	4,937	12.24	1.15	
.s.	11,291	13.19	3.26	15,706	9.36	2.01	54,397	4.93	1.96	25,148	5.87	1.25	
.в.	7,183	8.69	0.89	18,212	8.37	2.08	43,381	5.43	1.93	24,675	7.54	1.99	
ue.	102,823	7.16	2.79	62,353	8.48	2.00	643,229	2.31	1.49	279,034	4.23	1.27	
nt.	136,382	6.91	3.26	53,201	8.20	1.41	1,002,601	1.94	1.64	265,912	3.73	1.43	
an.	48,526	8.39	3.35	3,358	23.32	1.30	60,876	6.62	1.68	25,750	9.35	1.38	
ask.	103,307	5.95	3.95	9,113	35.97	7.67	24,296	14.31	3.29	15,025	10.92	1.15	
lta.	103,643	6.80	4.61	28,131	13.00	2.93	76,462	5.48	1.44	66,803	5.36	1.22	
.C.	20,057	15.32	2.95	55,374	14.43	7.53	198,504	4.88	2.79	81,005	6.39	1.85	
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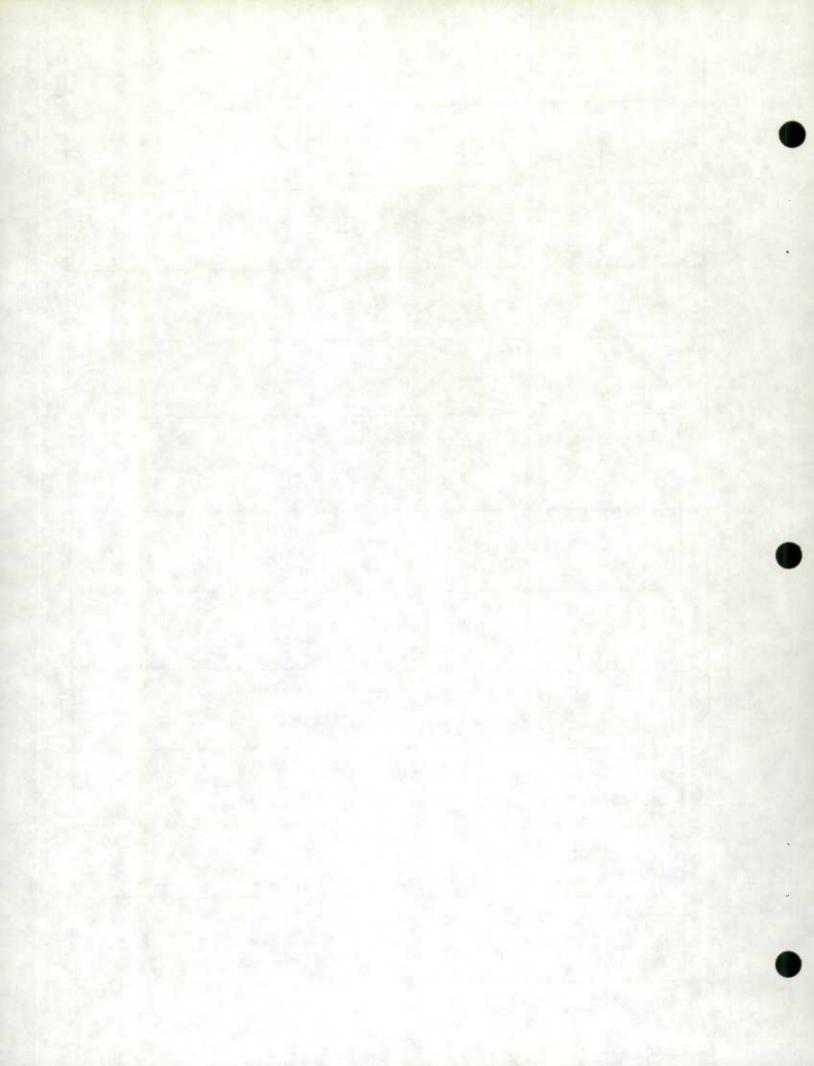
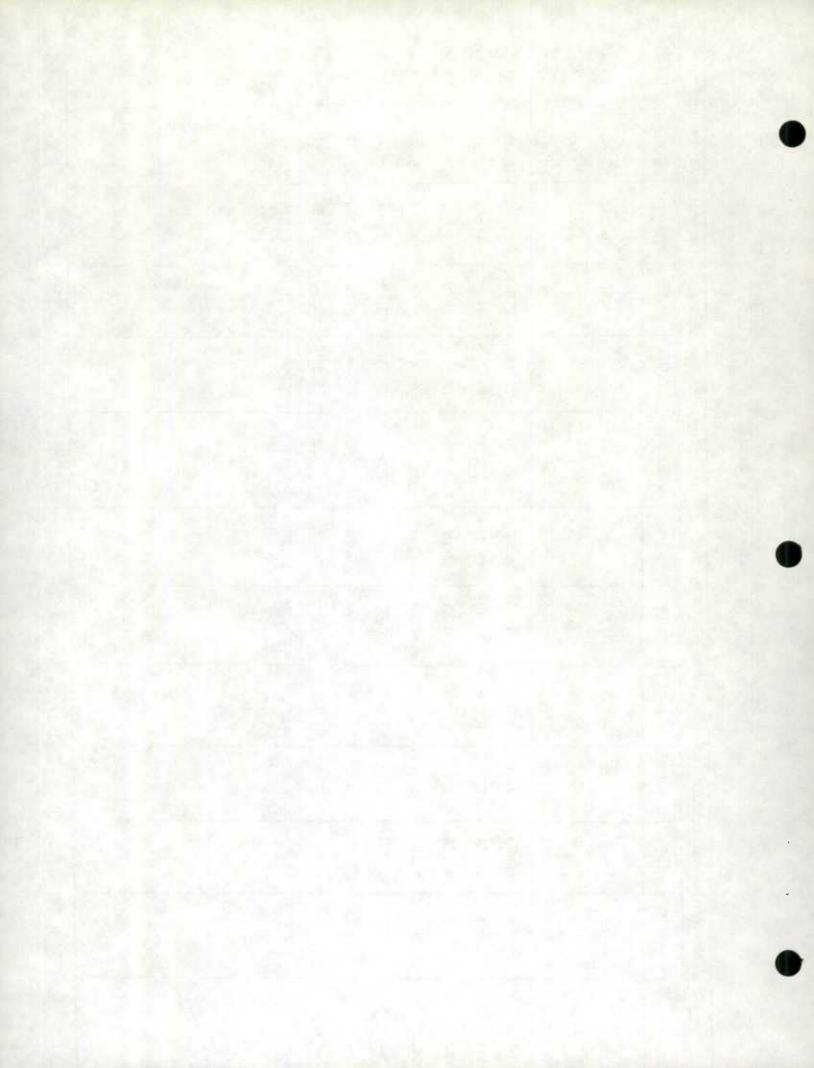


Table 3b) Level Estimates, Variance Estimates, and Binomial Factors for Unemployed in Some Selected Industries

	Unemploy	ved Agricu	lture	Unemp. Oth	ner Primar	y Ind.	Unemploye	d Manufact	turing	Unemployed Construction			
	Estimate	C.V.	B.F.	Estimate	c.v.	B.F.	Estimate	C.V.	B.F.	Estimate	c.v.	B.F.	
Can.	5,321	20.26	1.26	16,755	11.72	1.41	92,005	5.29	1.10	48,316	7.42	1.25	
Nfld.	214	73.38	1.43	2,296	19.89	1.41	4,074	20.70	2.38	5,231	15.09	1.67	
P.E.I.	169	70.49	1.37	185	58.82	1.04	212	79.04	1.72	307	67.81	1.77	
N.S.	544	60.73	3.27	756	44.95	2.26	2,856	15.12	0.87	2,248	18.35	1.02	
N.B.	253	59.69	1.47	1,514	24.13	1.35	2,471	20.42	1.43	1,462	22.20	1.10	
Que.	1,252	42.66	1.15	5,139	26.64	1.62	34,594	8.86	1.05	17,852	13.42	1.27	
Ont.	1,202	50.41	1.09	1,333	51.40	1.40	35,796	9.10	1.09	12,284	15.64	1.07	
Man.	140	101.02	1.15	288	70.51	0.91	2,313	27.67	0.95	364	73.81	1.21	
Sask.	148	98.16	1.15	357	16.73	0.08	630	45.20	0.79	394	57.57	1.06	
Alta.	531	60.04	1.55	775	36.19	0.72	922	45.38	1.14	1,833	33.91	1.19	
B.C.	867	51.10	1.22	4,113	23.35	1.27	8,136	16.64	1.25	6,338	22.11	1.68	
				- 16									
				No.									



Also in the province of Newfoundland the binomial factor corresponding to the estimate of employed persons whose industry classification is manufacturing had a value of 3.45 for the August survey. This is the highest binomial factor for this characteristic for any of the provinces. Two pairs of PSUs were identified as having contributed excessively to the provincial variance estimate.

Table 4b) Actual vs Desired Contribution to the Variance of Employed in Manufacturing for Newfoundland by PSUs and Subunits

Identification	Location	Actual Percentage Contribution	Desired Percentage Contribution
00001 & 00003	- along the south coast of Nfld. from Port-aux-Basques east	35.90	2.27
02041 & 02045	- east coast of Nfld. just north of the Avalon Pen- insula	15.66	1.58
All Other PSUs and Subunits		48.44	96.15

For the estimate of Employed in manufacturing in Newfoundland, the adjusted binomial factor of 1.74 indicates an approximate 50% reduction in the variance estimate would occur if for the above pair os subprovincial areas the actual contribution per population element was approximately the same as the actual contribution per population element in the remainder of the province.

In Saskatchewan, the binomial factor for the estimated total number of employed persons whose industrial classification is "Other Primary Industries" has a value of 7.67 which is considerably higher than the value of the corresponding binomial factors for other provinces. An analysis of the subprovincial contributions to the variance yielded the following subprovincial areas for which the actual contribution greatly exceeded the desired contribution.

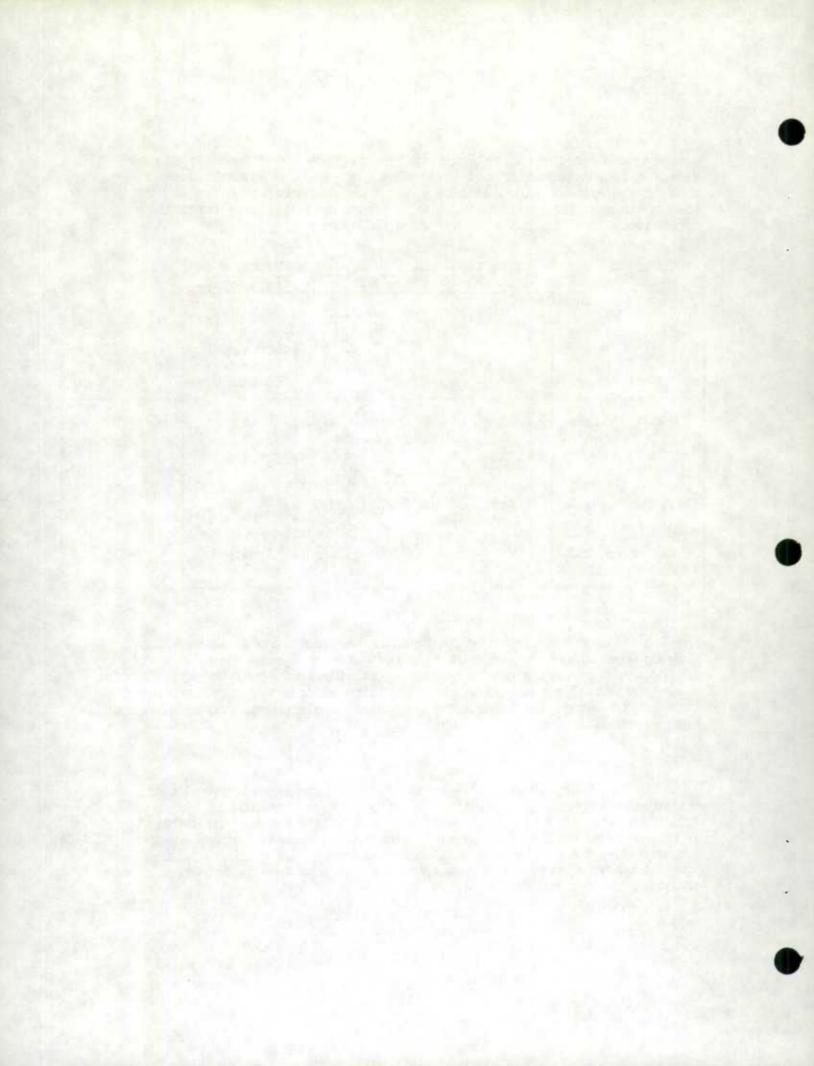


Table 4c) Actual vs Desired Contribution to the Variance of Imployed in Other Primary Industries for Saskatchewan by PSUs and Subunits

Identification	Location	Actual Percentage Contribution	Desired Percentage Contribution
72010 ε 72012	- west central part of Sask.	24.03	3.45
70901 - 70902*	- each subunit contains a military segment, a hospital segment and a remote area segment spread throughout the the province	65.65	2.22
All Other PSUs and Subunits		10.32	94.33

^{*} Special areas, as these, often present a design problem with subsequent high variances.

An adjusted binomial factor of 0.84 for this characteristic indicates that the variance for this characteristic would be somewhat less than the variance of an estimated obtained from a simple random sample if the above 2 subprovincial areas had contributed in a somewhat similar manner (corresponding to the population size) as the remaining subprovincial areas.

In British Columbia the estimated total number of persons employed in "Other Primary Industries" had a corresponding binomial factor with a value of 7.53 which is high in relation to the corresponding binomial factors for the estimates of Employed in Other Primary Industries in other provinces. The following table presents the results of this subprovincial analysis.

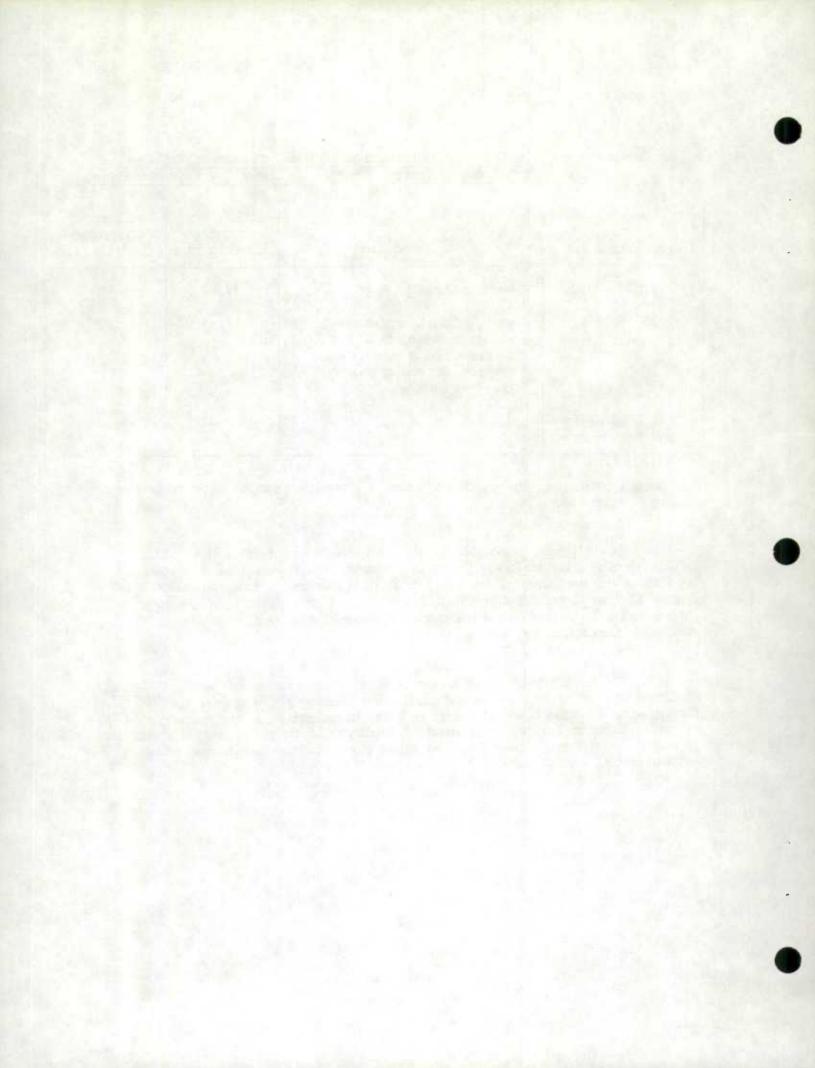
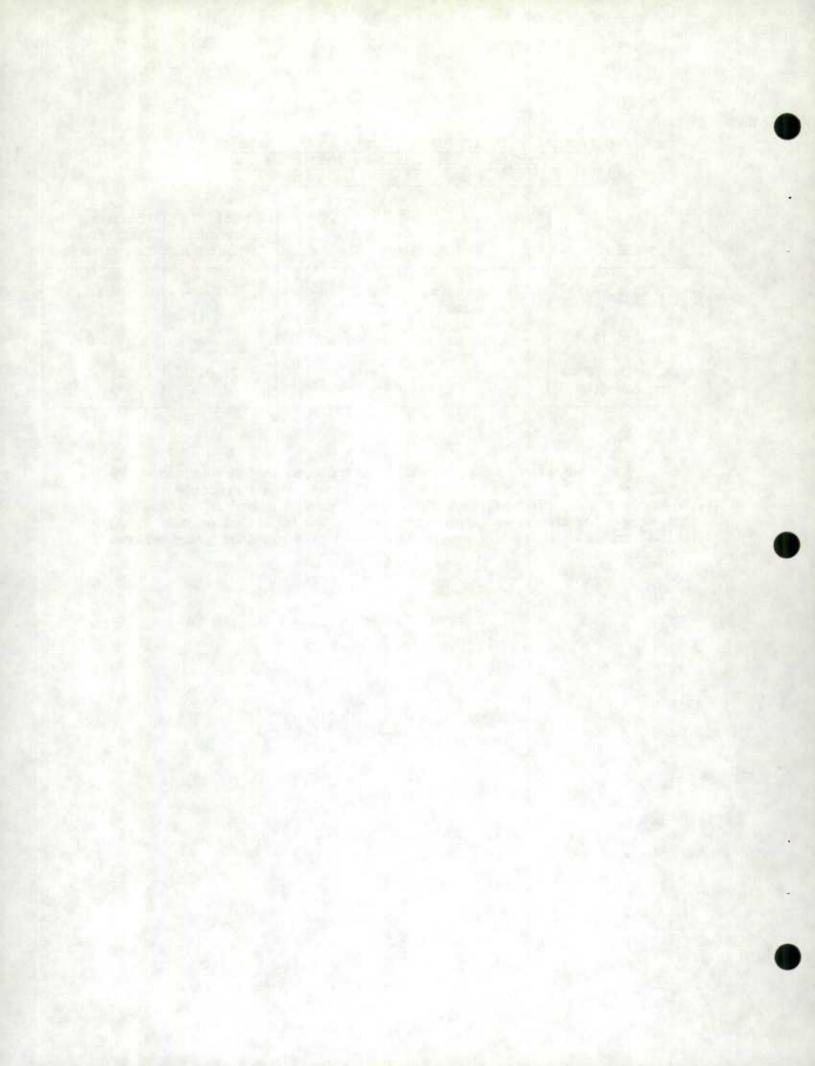


Table 4d) Actual vs Desired Contribution to the Variance for Employed in Other Primary Industries for British Columbia by PSUs and Subunits

Identification	Location	Actual Percentage Contribution	Desired Percentage Contribution
92003 & 92013	- southern part of B.C. in the Okanagan district	21.94	4.65
97003 & 97008	- north central part of B.C.	56.72	3.40
All Other PSUs and Subunits		21.84	91.95

The adjusted binomial factor for Employed in Other Primary Industries in B.C. has a value of 1.79. This value is comparable to the corresponding binomial factors for other provinces and indicates that except for the above subprovincial areas the contribution per element to the variance was approximately the same in this province as in other provinces.



NR 74-08 (August 1974)

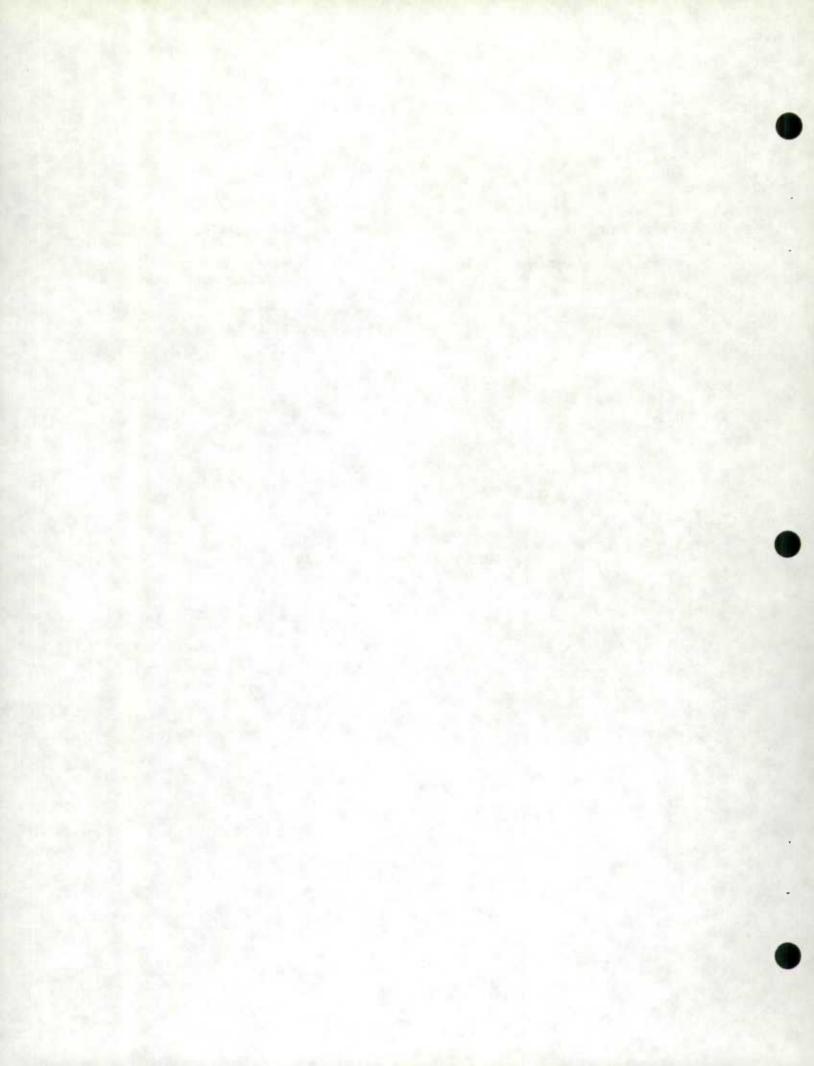
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NON-RESPONSE IN THE CANADIAN

LABOUR FORCE SURVEY



Non-Response in the Canadian Labour Force Survey

I. Introduction

There are a number of ways of measuring the quality of the Labour Force Survey. One such method is the calculation of non-response rates. The sampling variability of weighted up statistics is inversely proportional to the response rate so that published figures based on a sample with only 80% response rate (20% non-response rate) will have 90/80 or 1.125 times the sampling variability of corresponding figures based on the same sample with 90% response rate (or 10% non-response rate). Together with the increase in sampling variability caused by higher non-response rates there is also a possible increase in the mean square error as a result of the non-response bias. If the characteristics of non-respondents are significantly different from those of respondents, then the higher the non-response rate, the greater the contribution to the mean square error by the non-response bias. The extent of this bias is unknown at present but must be obtained from outside sources of similar data or from special experiments on non-response characteristics.

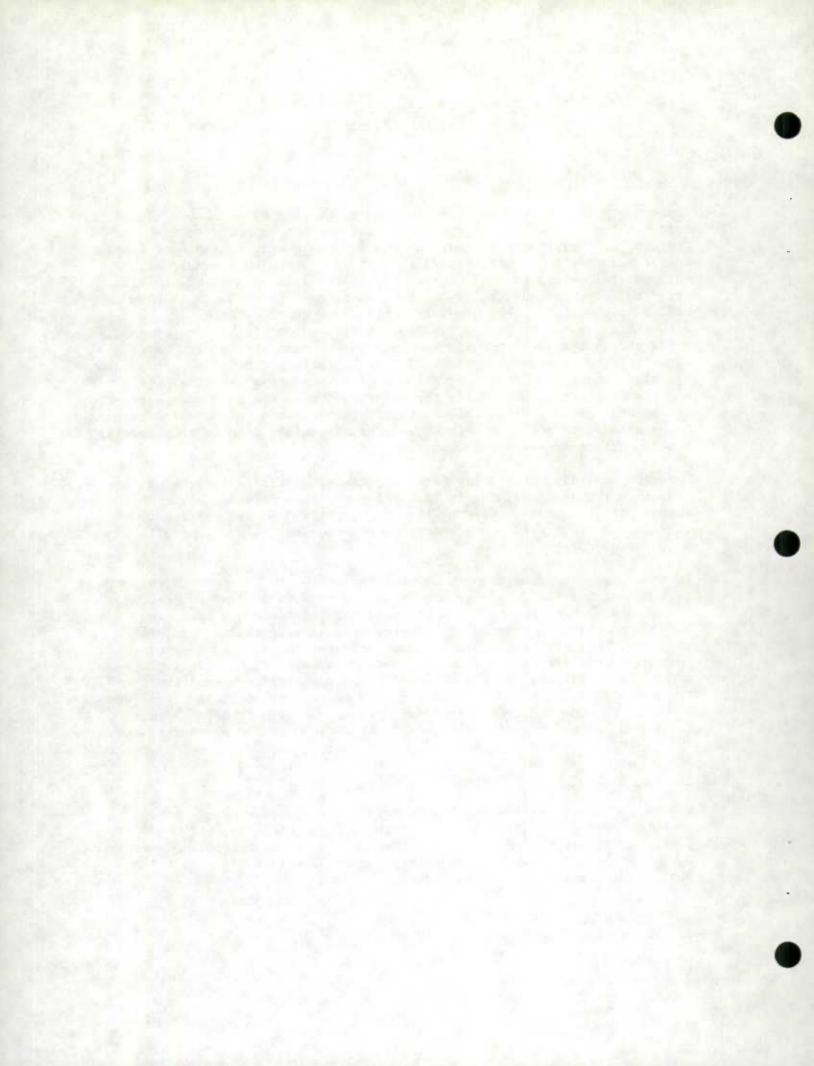
Non-response follows a marked pattern seasonally, generally peaking in the summer months and declining in the spring and autumn (Graph G1). The seasonality effect is caused by the "temporarily absent" component which increases sharply during the summer months when people are generally away on vacation (Graph G1).

In this report, non-response data are summarized at the economic region, regional office and Canada levels in the form of tables and graphs. For Canada and each of the regional offices, non-response rate are given for each of the four components of non-response as well as for total non-response. Furthermore, month to month and year to year changes in non-response rates are also included. At the economic region level, global non-response rates and the actual and expected percentage contributions to the total non-response of the regional office are specified for every economic region within each regional office. The line graphs indicate the trends in non-response rates over the current year and the previous two years.

II. Monthly Meeting on Non-Response

A meeting on non-response with J.R. Norris and F.T. Newton, Household Surveys Development Staff and E.T. McLeod, Field Division, is held every month to discuss the more pronounced movements in the current non-response data. The points covered during this meeting are incorporated in the analysis given in the next section.

1. See definitions in appendix 10.



III Analysis

A. At the Canada Level

The overall non-response rate for the Canada level decreased from 10.4% in July to 8.8% in August. This decrease was much smaller than the one exhibited between the same two months one year ago. The decrease in the T.A. component was mainly responsible for the decrease in the overall non-response rate.

Compared with last year's August non-response rate (10.9%), this year's rate was lower. At the component level, all components displayed decreases in non-response.

It is noted that this month there has been another component of non-response added to the existing components. This new component is termed as "N6" and refers to dwellings which have not been contacted for the current Labour Force Survey because of overlap with the Revised Labour Force Survey. In August, there were 8 such N6-type households and were distributed within the St. John's, Halifax and Montreal Regional Offices. For the purpose of this report, such households have been included in the "other" component (thus changing the "other" component from N3-N5 to N3-N6).

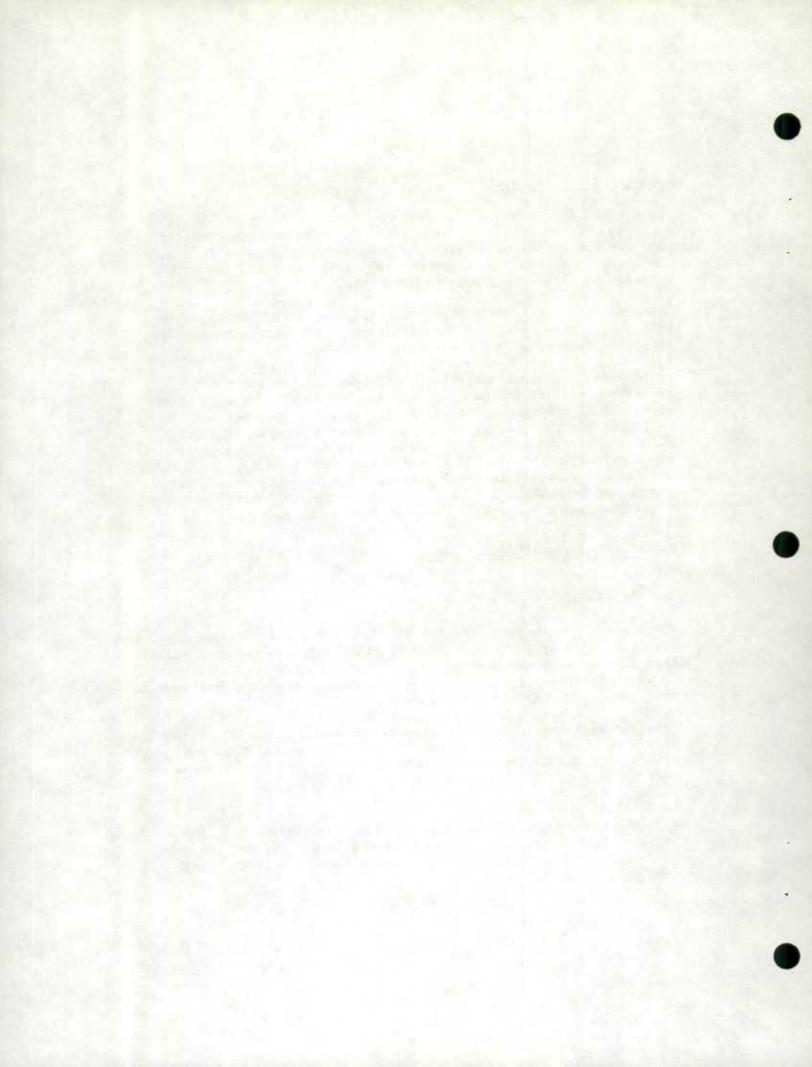
B. At the Regional Office Level

1. St. John's Regional Office

The overall non-response for the St. John's Regional Office decreased from 6.2% in July to 5.7% in August. This decrease was much smaller than the one recorded over the same two months last year. The month to month decrease in the overall non-response rate this year was due to decreases in the T.A. and Nl components.

Compared with last year's August non-response rate (9.7%), this year's rate was lower. Decreases in the T.A. and Nl components were mainly responsible for the decrease in the overall non-response rate this year.

As noted at the Canada level, there are a few households termed as N6. There are three of these households found in the St. John's Regional Office; two of which are located in E.R. 01 and the other is located in E.R. 04. These households make up half the total for the "other" component.



2. Halifax Regional Office

The overall non-response rate for the Halifax Regional Office decreased from 10.0% in July to 8.7 in August. This decrease was much smaller than the one recorded between July and August of 1973. All components displayed decreases in non-response this year with the T.A. component exhibiting the largest decrease.

The August non-response rate this year was lower than last year's rate of 9.8%. This year's lower rate was mainly attributable to the lower rates in the T.A. and refusal (N2) components.

As shown below, there has been a general month to month decrease in the refusal rates in economic regions 22, 30 and 31 where these rates have been high in previous months:

Refusal	Rates

Economic Region	May	June	July	August
22	3.2%	3.0%	2.8%	2.4%
30	3.8%	3.2%	3.2%	2.8%
31	3.1%	4.7%	4.6%	3.8%

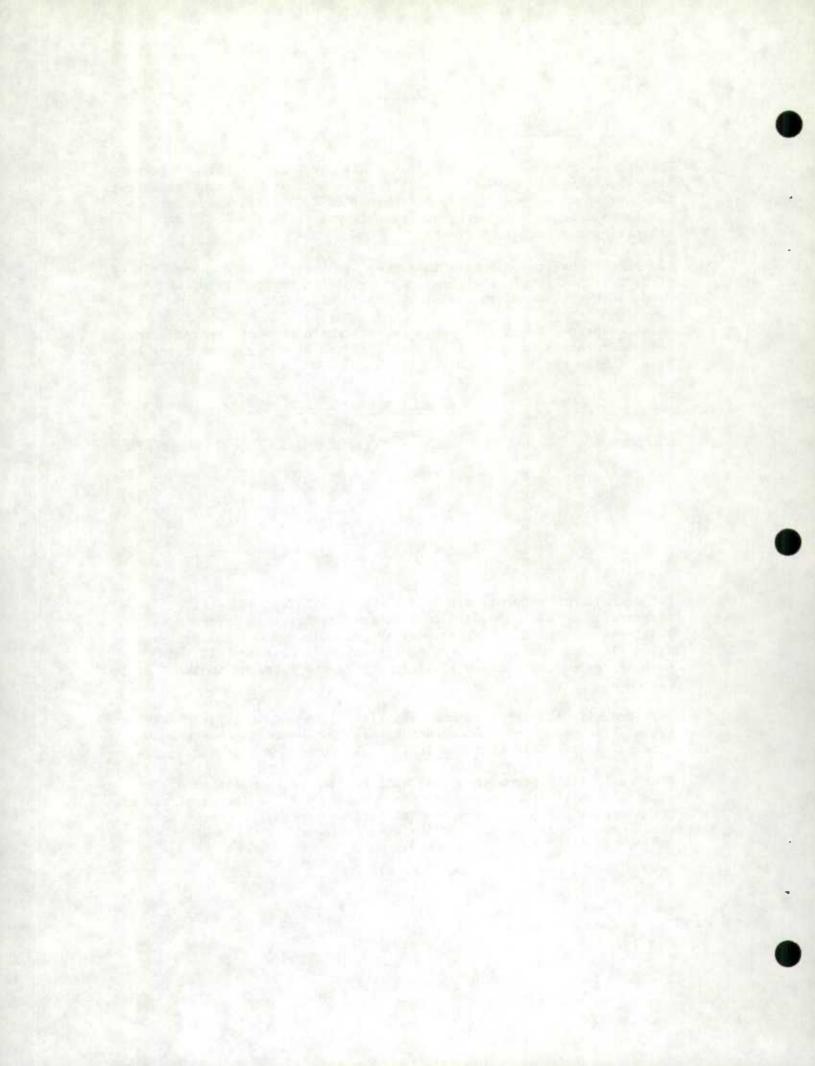
3. Montreal Regional Office

The overall non-response rate for the Montreal Regional Office decreased from 12.1% in July to 8.4% in August. This decrease was smaller than the one recorded over the same two months one year ago. While all components exhibited decreases, the lower overall non-response rate this month was mainly due to the decrease in the T.A. component.

Compared with the non-response rate (12.1%) in August 1973, this year's August rate was lower. Decreases by all components of non-response were noted with the decrease in the T.A. component being the largest.

From table 4(b), the most noteable difference between the actual and expected contribution to non-response was in E.R. 47 (Metropolitan area of Montreal). The percentage contributions by each component to the total non-response of E.R. 47 are given below:

E.R.	47
	(%)
T.A.	49.7
Nl	20.7
N2	22.8
Other	6.8



The high contributions to the total non-response rate in E.R. 47 were made by the T.A. and N2 (refusals) components. These components showed non-response rates of 5.7% and 2.6% respectively. This economic region contained 43.5% of the sampled households in the Montreal Regional Office; however 62.2% of all T.A. households and 54.0% of all N2 households in the Montreal Regional Office are located in this economic region.

4. Ottawa Regional Office

The overall non-response rate for the Ottawa Regional Office decreased from 9.5% in July to 8.6% in August. This decrease was much smaller than the one recorded between July and August of 1973. Decreases in the T.A., Nl and N2 components accounted for the decrease in the month to month change in the overall non-response rate this year.

Compared with the non-response rate (9.2%) in August 1973, this year's rate was lower. The N1, N2 and "other" components accounted for the decrease in the overall non-response rate this year.

5. Toronto Regional Office

The non-response rate for the Toronto Regional Office decreased from 12.2% in July to 11.0% in August. This decrease was much less than the one recorded from July to August 1973. Decreases of 1.4% in the T.A. component and 0.2% in refusals were partially offset by a 0.5% increase in the "no one at home" component.

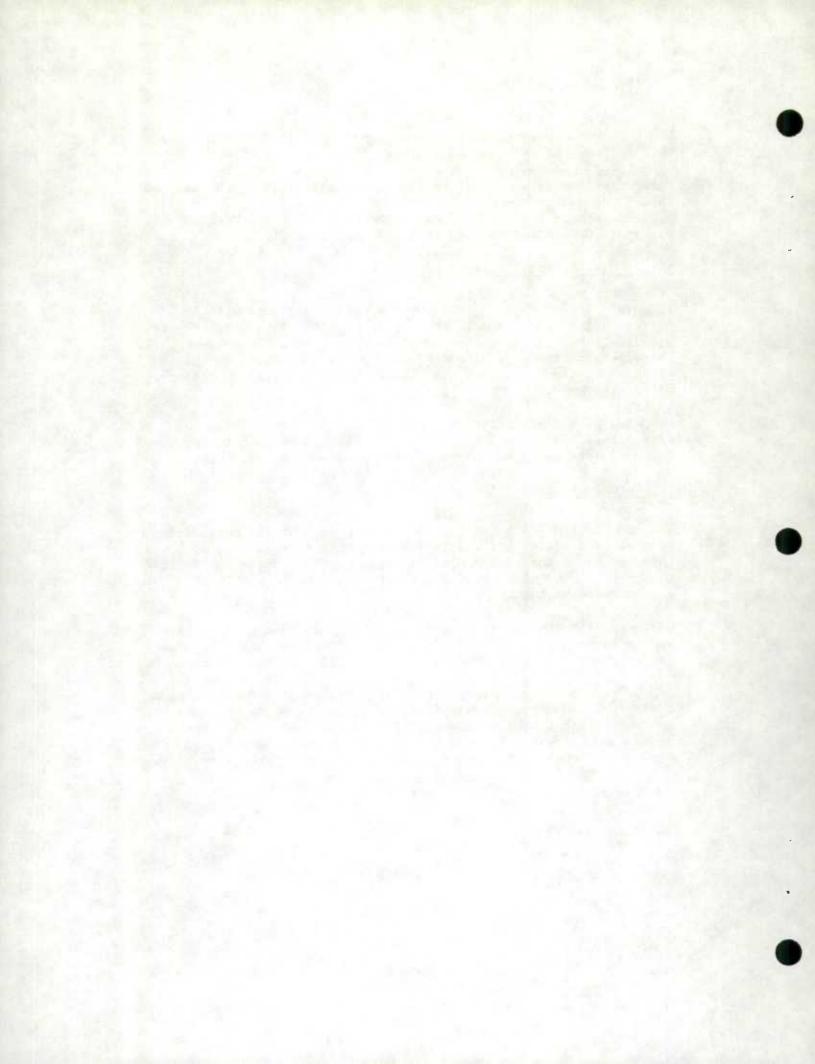
Compared with the non-response rate (11.4%) in August 1973, this year's August rate was slightly lower. The lower rate this year was attributed to decreases in the T.A., N1, and "other" components.

At the economic region level, the most notable difference between the actual and expected contributions to non-response was noted in economic 52 (Metropolitan Toronto and surrounding area). The percentage contribution made by each of the four non-response components to the total non-response in this E.R. are given below:

E.R

D.K.	32
	(%)
T.A.	53.1
N1	21.9
N2	20.6
Other	4.4

52



It is evident that the major contribution was made by the T.A. component. It is interesting to note that E.R. 52 contains approximately 54% of all the Nl households and 56% of all the refusal households in the Toronto Regional Office. However, the refusal rate in this economic region has been declining steadily since last June as shown below:

Economic Region	June	July	August
	(%)	(%)	(%)
52	3.2	2.8	2.6

Economic Region 54 (London, Woodstock, St. Thomas area) continues to exhibit a refusal rate in excess of 3.0% as shown below:

Economic Region	June (%)	July (%)	August (%)
54	3.2	3.4	3.4

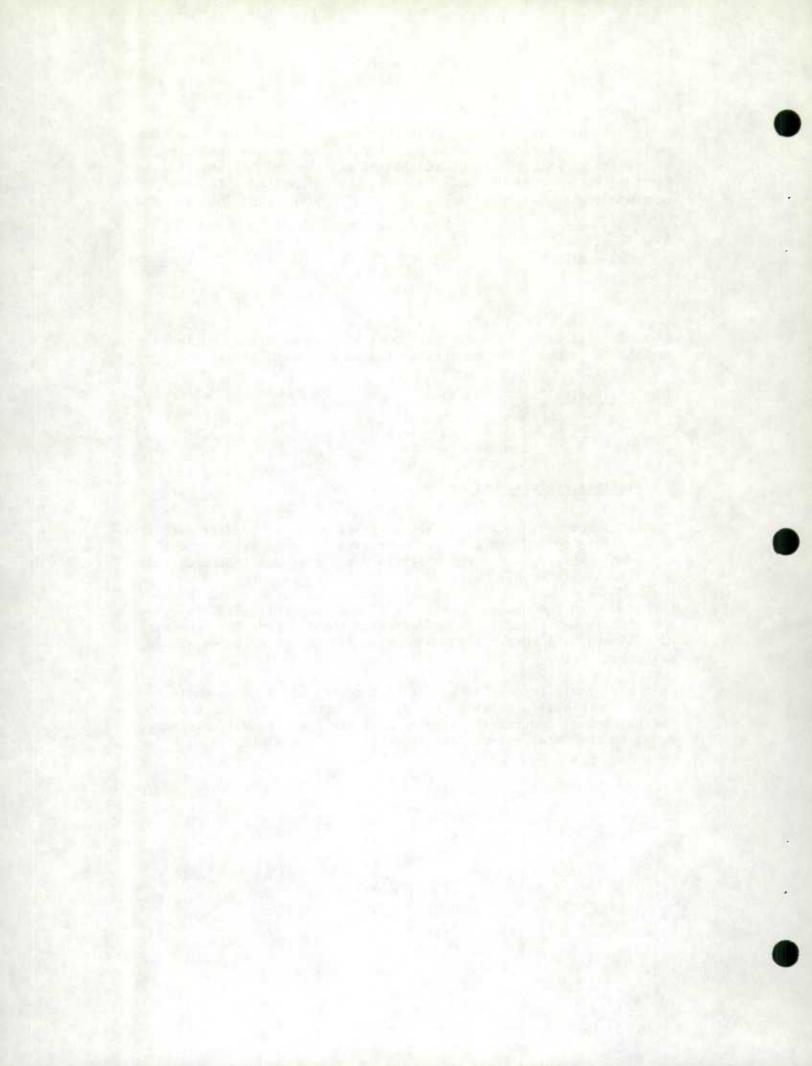
6. Winnipeg Regional Office

The non-response rate for the Winnipeg Regional Office decreased from 6.4% in July to 4.7% in August. Decreases in the T.A., N1 and N2 components accounted for the month to month increase in the overall non-response rate this year.

Compared with the non-response rate (5.2%) in August 1973, this year's August rate was lower. The decreases in the T.A. and Nl components of 0.3% and 0.4% respectively accounted for the lower non-response rate this year.

At the economic region level, one of the economic regions where the actual contribution exceeded the expected contribution was E.R. 60. The percentage contributions by each of the four non-response components to the total non-response in this E.R. are given below:

E.R.	60
	(%)
Т.А.	63.4
N1	21.1
N2	12.7
Other	2.8



The high contributions were made by the T.A. and N1 components. Furthermore, this economic region contained 32.8% of all the sampled households in the Winnipeg Regional Office; however it also contained 49.5% of all the T.A. households and 60.0% of all the N1 households in this regional office.

7. Edmonton Regional Office

The non-response rate for the Edmonton Regional Office decreased from 8.5% in July to 7.0% in August. This year's month to month decrease in the overall non-response rate was due to decreases in the T.A., N1 and N2 components. However, the effect of these decreases on the overall non-response rate was lessened by an increase of 0.9% in the "other" component.

Compared the non-response rate (11.4%) in August 1973, this year's August rate was considerably lower. This year's lower rate was due to sizeable decreases in the T.A., N1 and N2 components.

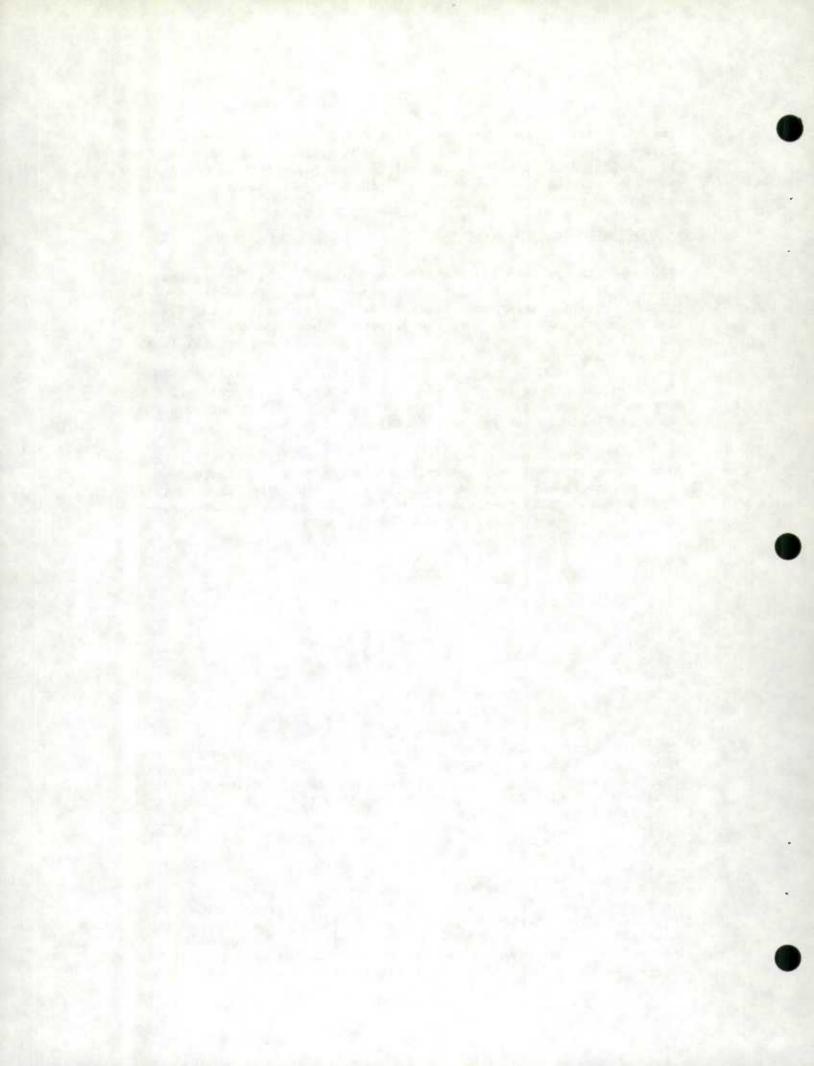
At the economic region level, the most noteable difference between the actual and expected contributions to non-response was recorded in E.R. 80 (southeast corner of Saskatchewan). The percentage contribution by each of the four non-response components to the total non-response of this E.R. are given below:

E.R.	80
	(%)
T.A.	9.8
N1	0.0
N2	2.4
Other	87.8

The high contribution to non-response was made by the "other" component. In this economic region 36 of the 41 households recorded as N3 for the Edmonton Regional Office were found here. Of these 36 N3 households in E.R. 80, 35 were the result of the returns having been lost in the mail.

8. Vancouver Regional Office

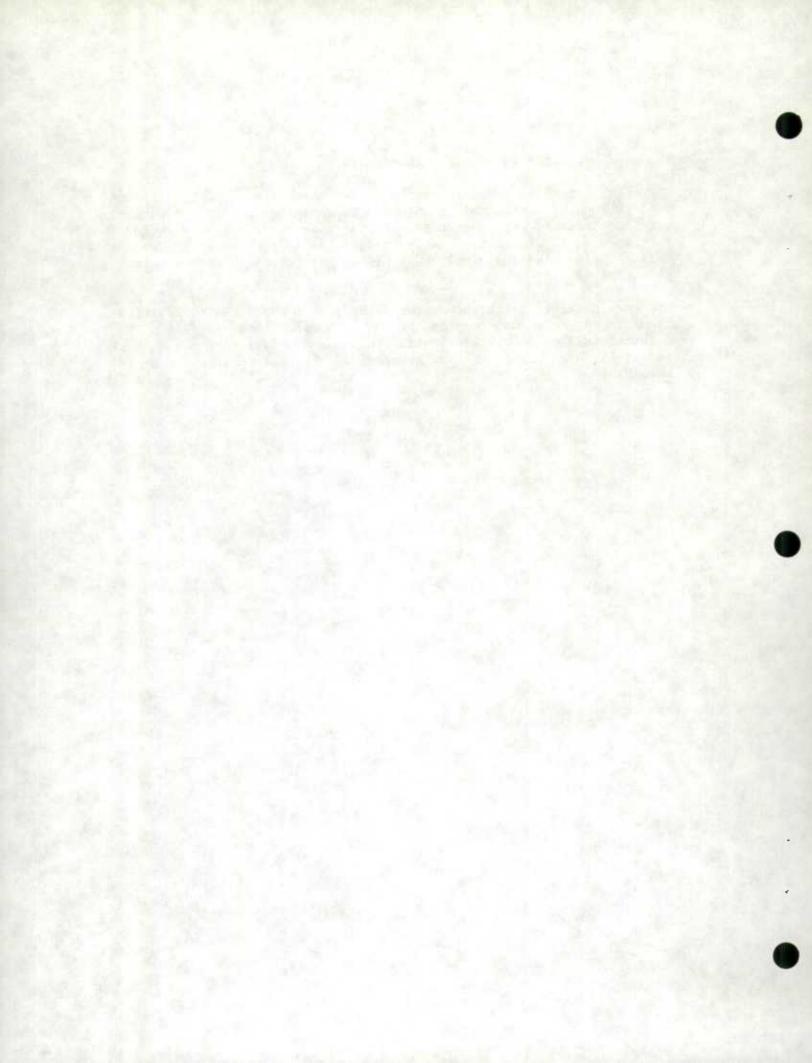
The overall non-response rate for the Vancouver Regional Office decreased from 12.8% in July to 12.2% in August. The decrease in the overall month to month change in non-response this year was mainly attributed to decreases in the T.A., N2 and "other" components. Again this month, a slight improvement (a decrease of 0.1% over last month) in the refusal rate (N2) was recorded.



Compared with last year's August non-response rate (14.9%), this year's August rate was lower. Furthermore, all of the components of non-response exhibited lower rates this year.

The refusal rate in economic region 94 decreased from 4.6% in July to 4.5% in August. Again this change was encouraging but yet the refusal rate continues to be rather high. Furthermore, this economic region contained 52.5% of all the sampled households in the Vancouver Regional Office but it also contained 64.6% of all the refusal households in this regional office.

The most noteable difference between the actual and expected contributions to the total non-response of the regional office was in E.R. 97 (central area of B.C.). This difference was mainly due to the relatively high number of T.A. households. The T.A. rate for E.R. 97 was 12.3%.



CANADA

August, 1974

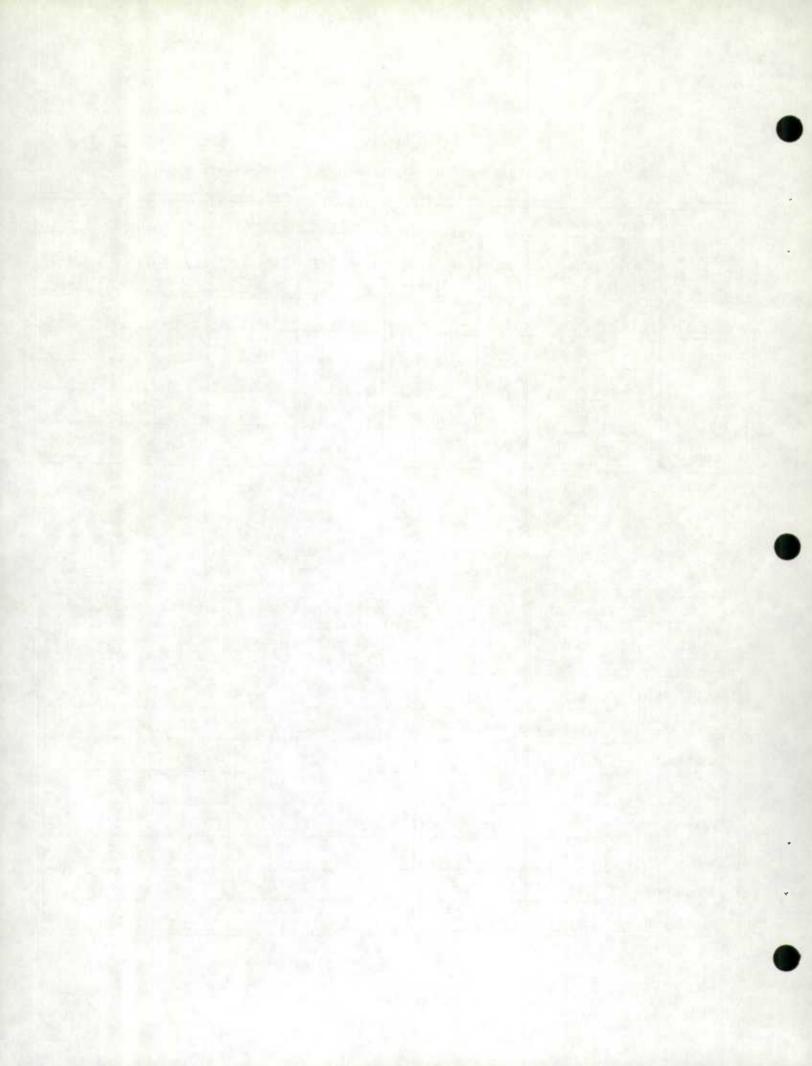
Table 1(a)

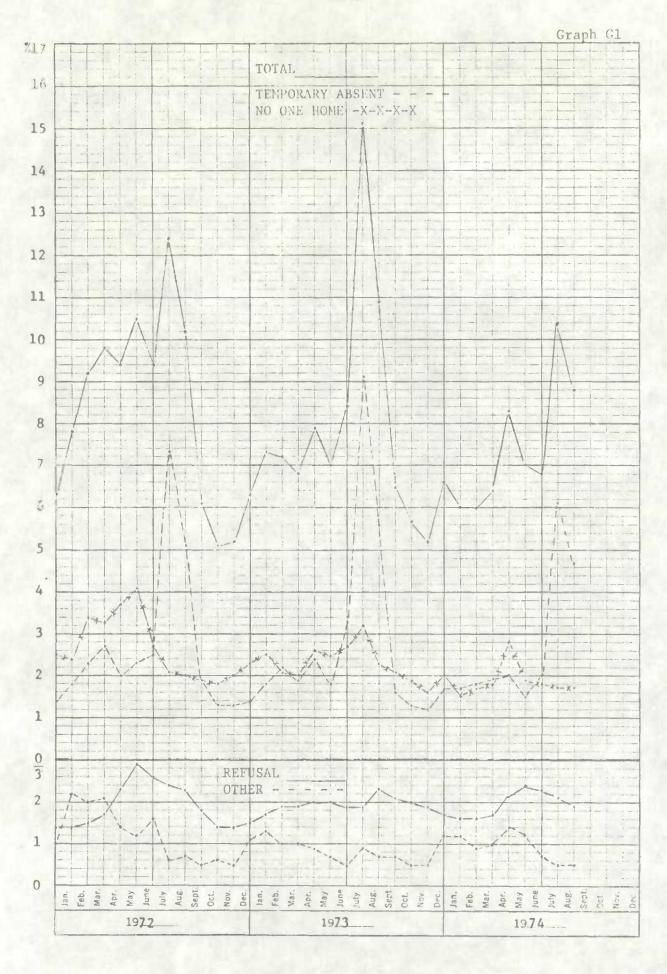
Month to Month and Year to Year Changes in the Non-Response Rates

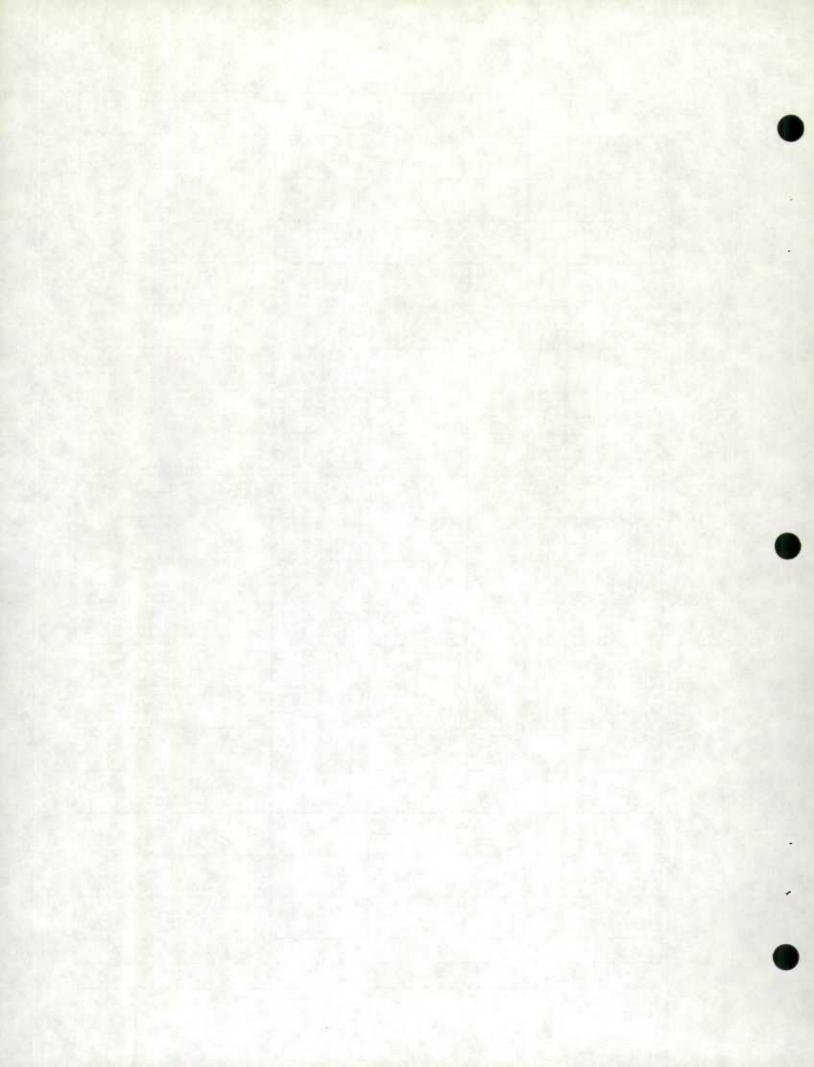
Non-Respons	se Rates	Jul. 1974 Non-Respon		se Rates	Jul. 1973	Aug. 1973	
Non -Response Component	Aug. 1974	Jul. 1974 (%)	to Aug. 1974 (%)	Aug. 1973	Jul. 1973 (%)	to	to Aug. 1974 (%)
Overal1	8.8	10.4	-1.6	10.9	15.1	-4.2	-2.1
T.A.	4.7	6.1	-1.4	5.6	9.1	-3.5	-0.9
N. 1	1.7	1.7		2.3	3.2	-0.9	-0.6
N. 2	1.9	2.1	-0.2	2.3	1.9	0.4	-0.4
Other	0.5	0.5	-	0.7	0.9	-0.2	-0.2

Table 1(b)
Non-Response Data at the Regional Office Level

kegional Office	Expected Number of Households	Non- Response Rate (%)	Actual Percentage Contribution to Total Non-Response at the Canada Level	Expected Percentage Contribution to Total Non-Response at the Canada Level
St. John's	1,641	5.7	3.1	4.8
Halifax	5,685	8.7	16.4	16.6
Montreal	6,472	8.4	18.0	18.9
Ottawa	2,143	8.6	6.2	6.3
Toronto	7,189	11.0	26.2	21.0
Winnipeg	3,200	4.7	5.0	9.4
Edmonton	3,907	7.0	9.0	11.4
Vancouver	3,952	12.2	16.1	11.6







ST. JOHN'S REGIONAL OFFICE

Table 2(a)

August, 1974

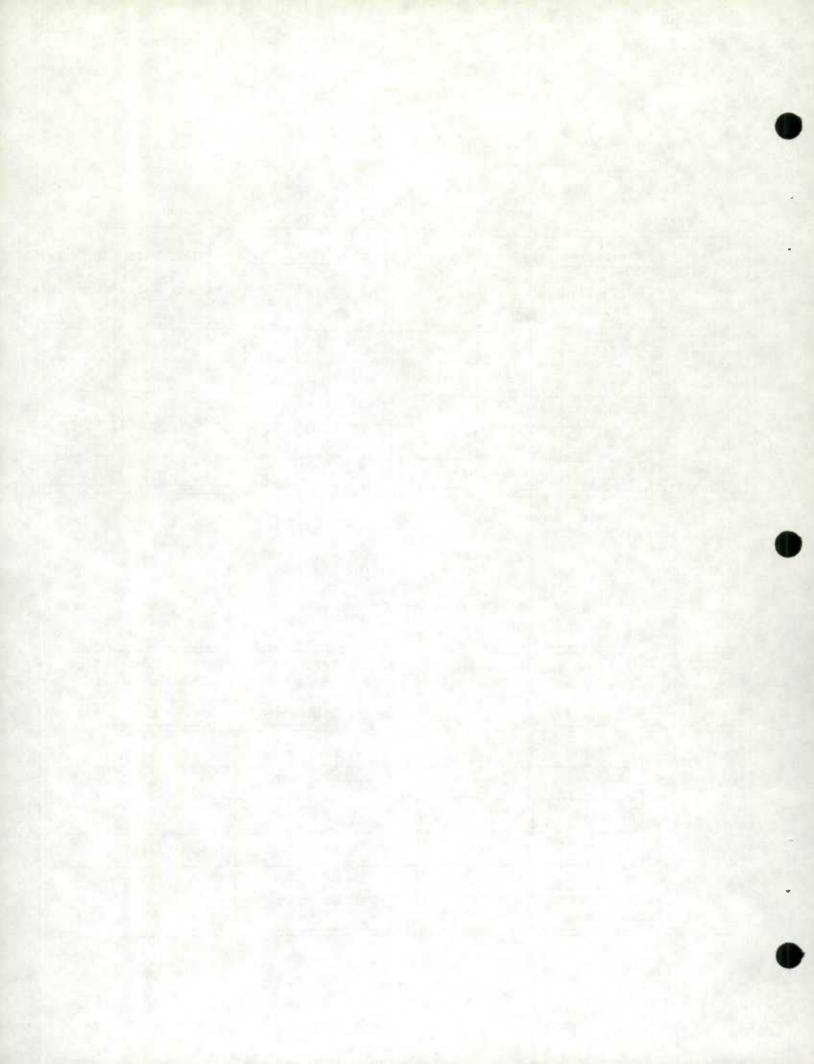
Month to Month and Year to Year Changes in the Non-Response Rates

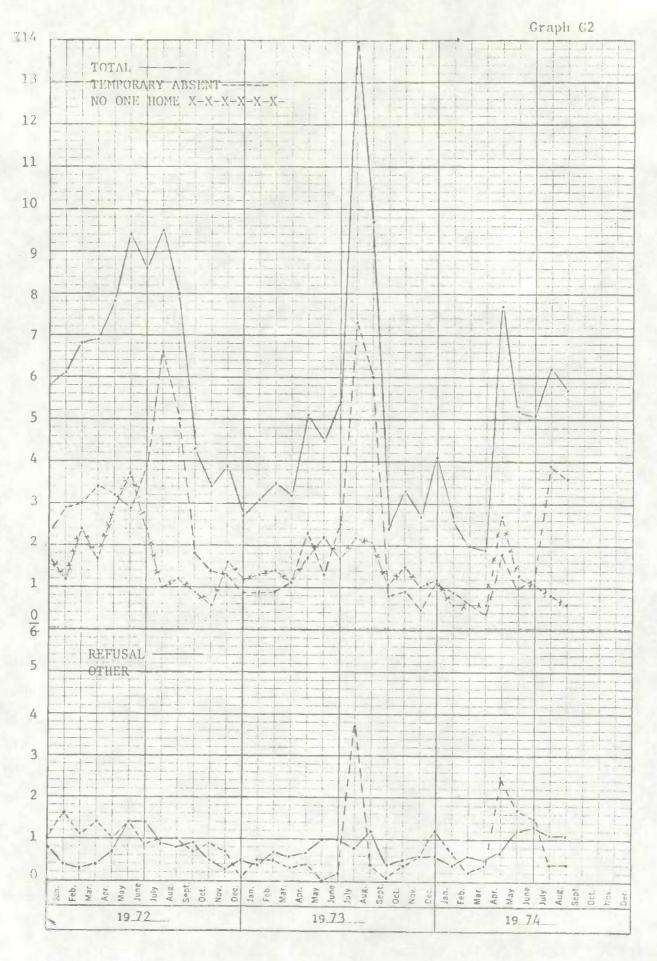
	Non-Response Rates		Jul. 1974	Non-Response Rates		Jul. 1973	Aug. 1973
Non -Response Component	Aug. 1974 (%)	Jul. 1974	to Aug. 1974 (%)	Aug. 1973	Jul. 1973 (%)	to Aug. 1973 (%)	to Aug. 1974 (%)
Overal1	5.7	6.2	-0.5	9.7	14.0	-4.3	-4.0
T.A.	3.6	3.9	-0.3	6.0	7.3	-1.3	-2.4
N.1	0.6	0.8	-0.2	2.1	2.2	-0.1	-1.5
N.2	1.1	1.1	-	1.2	. 0.8	0.4	-0.1
Other	0.4	0.4	-	0.4	3.7	-3.3	

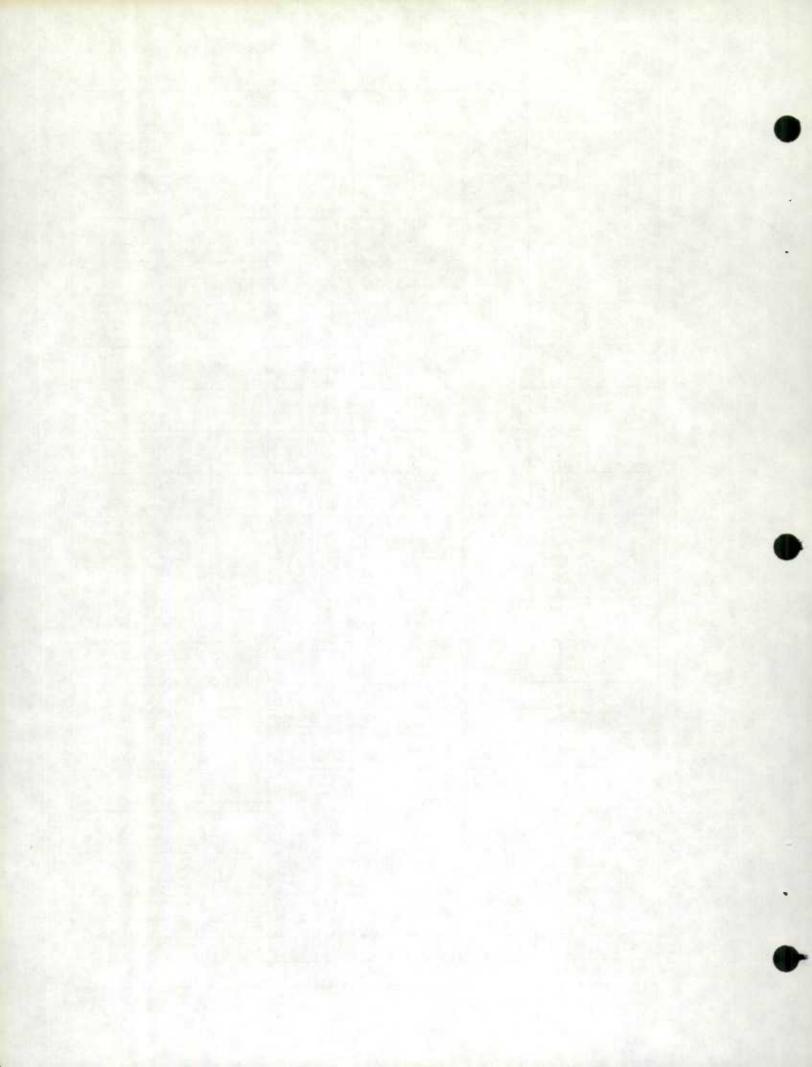
Table 2(b)

Non-Response Data at the Economic Region Level

Economic Region	Expected Number of Households	Non- Response Rate (%)	Actual Percentage Contribution to Total Non-Response at the R.O. Level	Expected Percentage Contribution to Total Non-Response at the R.O. Level
00	250	4.8	12.8	15.2
01	652	6.7	46.8	39.7
02	145	2.8	4.3	8.9
03	291	6.5	20.2	17.7
04	283	4.7	13.8	17.3
05	20	10.0	2.1	1.2







MALIFAX REGIONAL OFFICE

Table 3(a)

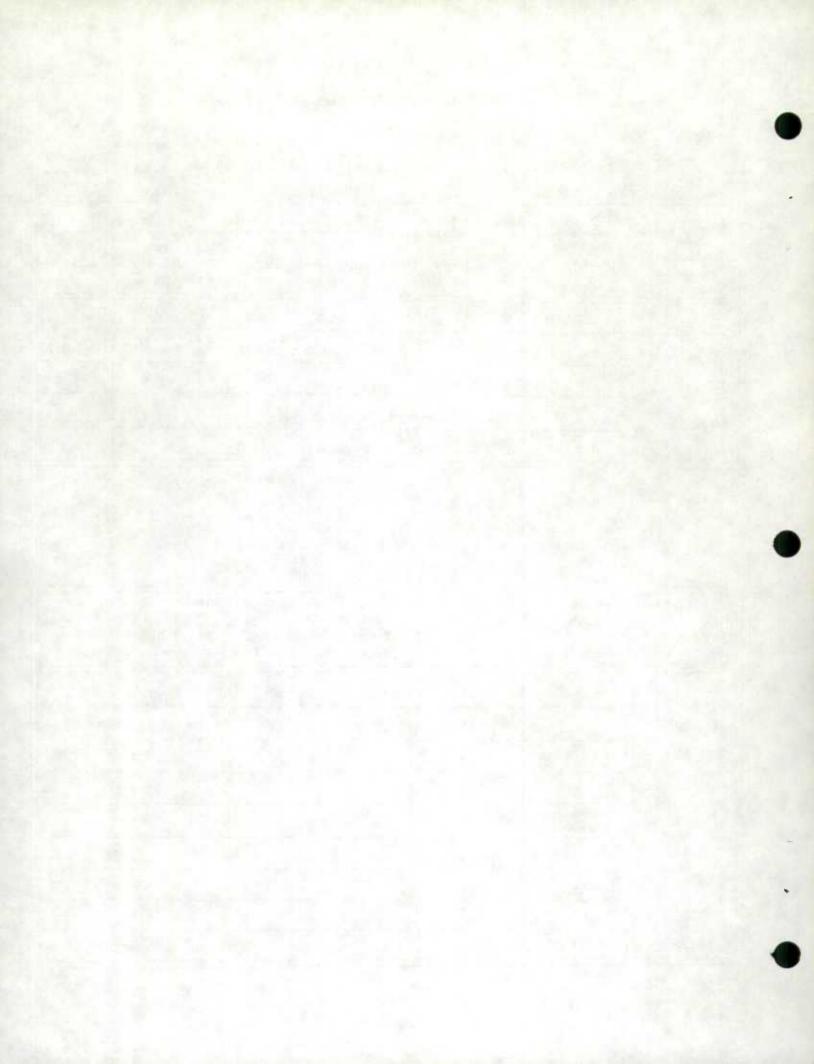
August, 1974

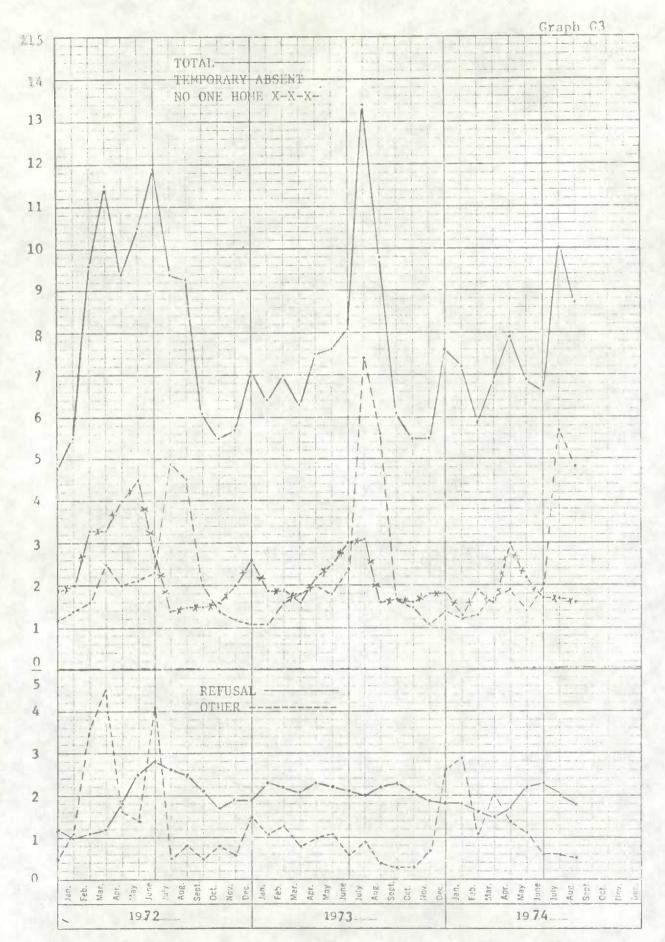
Month to Month and Year to Year Changes in the Non-Response Rates

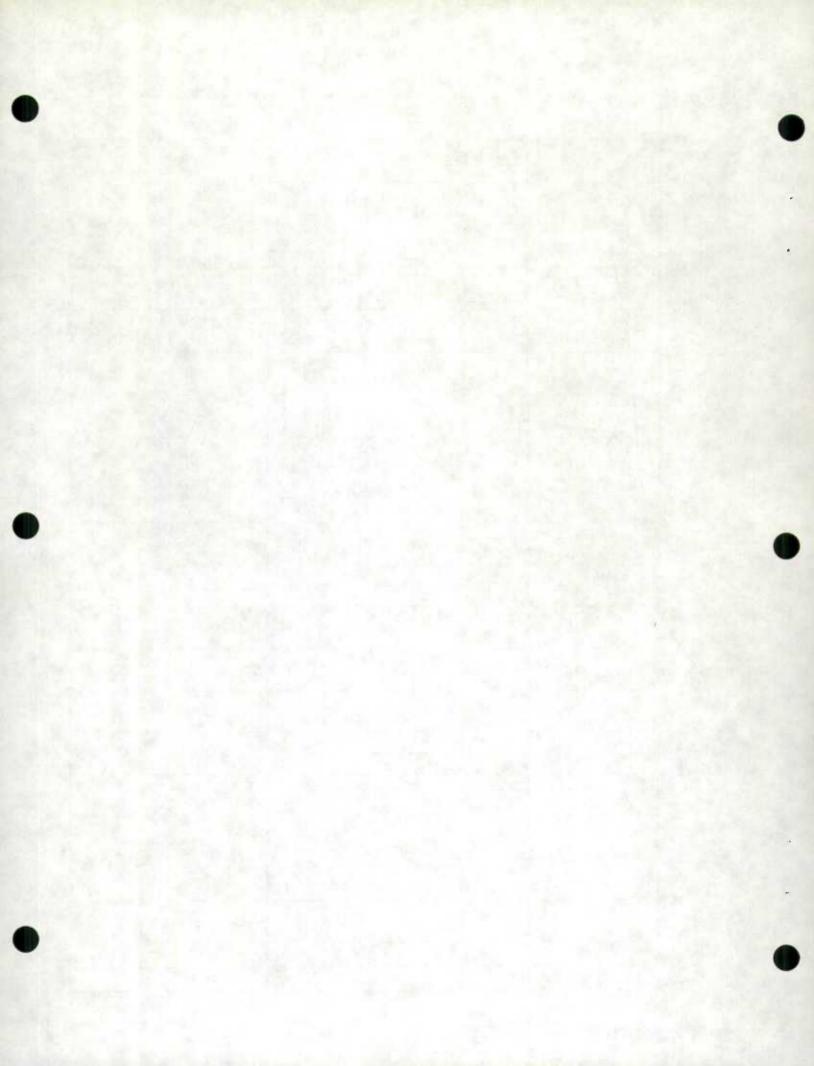
	Non-Response Rates		Jul. 1974	Non-Response Rates		Jul. 1973	Aug. 1973
Non -Response Component	Aug. 1974	Jul. 1974	to Aug. 1974 (%)	Aug. 1973	Jul. 1973	to Aug. 1973	to Aug. 1974 (%)
Overal1	8.7	10.0	-1.3	9.8	13.4	-3.6	-1.1
T.A.	4.8	5.7	-0.9	5.6	7.4	-1.8	-0.8
N.1	1.6	1.7	-0.1	1.6	3.1	-1.5	_
N.2	1.8	2.0	-0.2	2.2	2.0	0.2	-0.4
Other	0.5	0.6	-0.1	0.4	0.9	-0.5	0.1

Table 3(b)
Non-Response Data at the Economic Region Level

Economic Region	Expected Number of Households	Non- Response Rate (4)	Actual Percentage Contribution to Total Non-Response at the R.O. Level	Expected Percentage Contribution to Total Non-Response at the R.O. Level
10	415	5.5	4.7	7.3
20	503	8.6	8.7	8.8
21	611	7.7	9.6	10.7
22	1,345	9.4	25.8	23.7
23	465	10.5	10.0	8.2
30	499	12.4	12.6	8.8
31	580 .	11.6	13.6	10.2
32	690	6.4	8.9	12.1
33	577	5.2	6.1	10.2







MONTREAL REGIONAL OFFICE

Table 4(a)

August, 1974

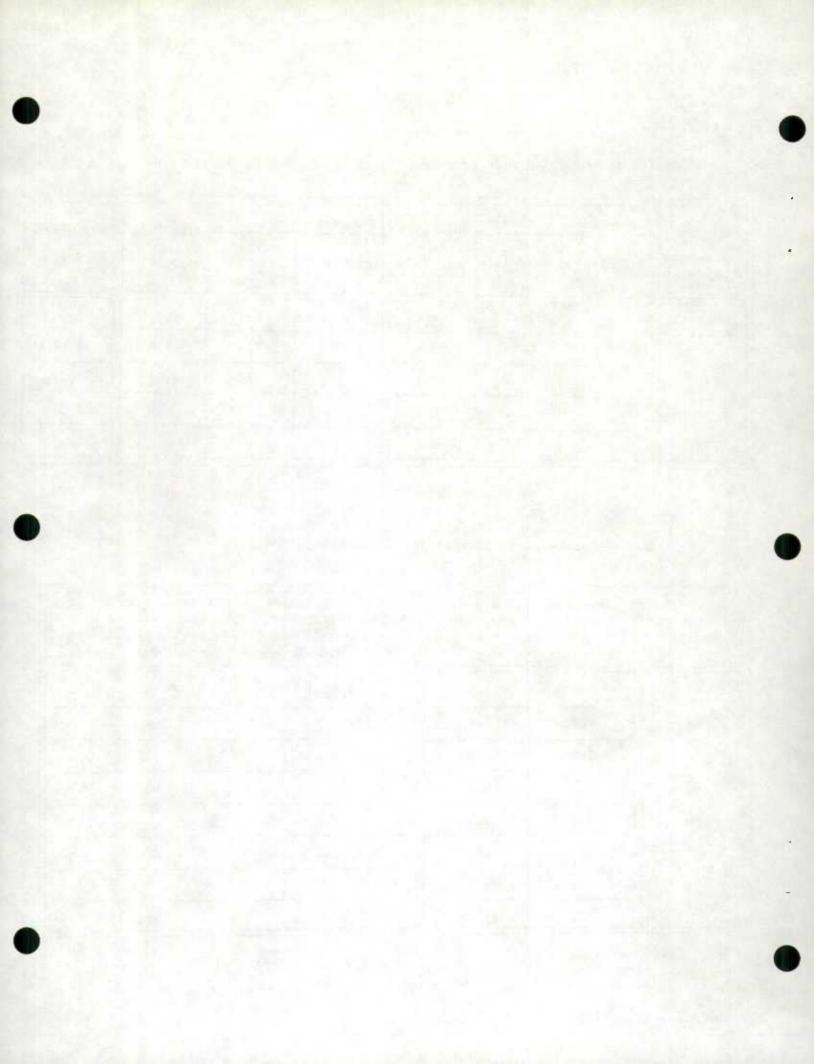
Month to Month and Year to Year Changes in the Non-Response Rates

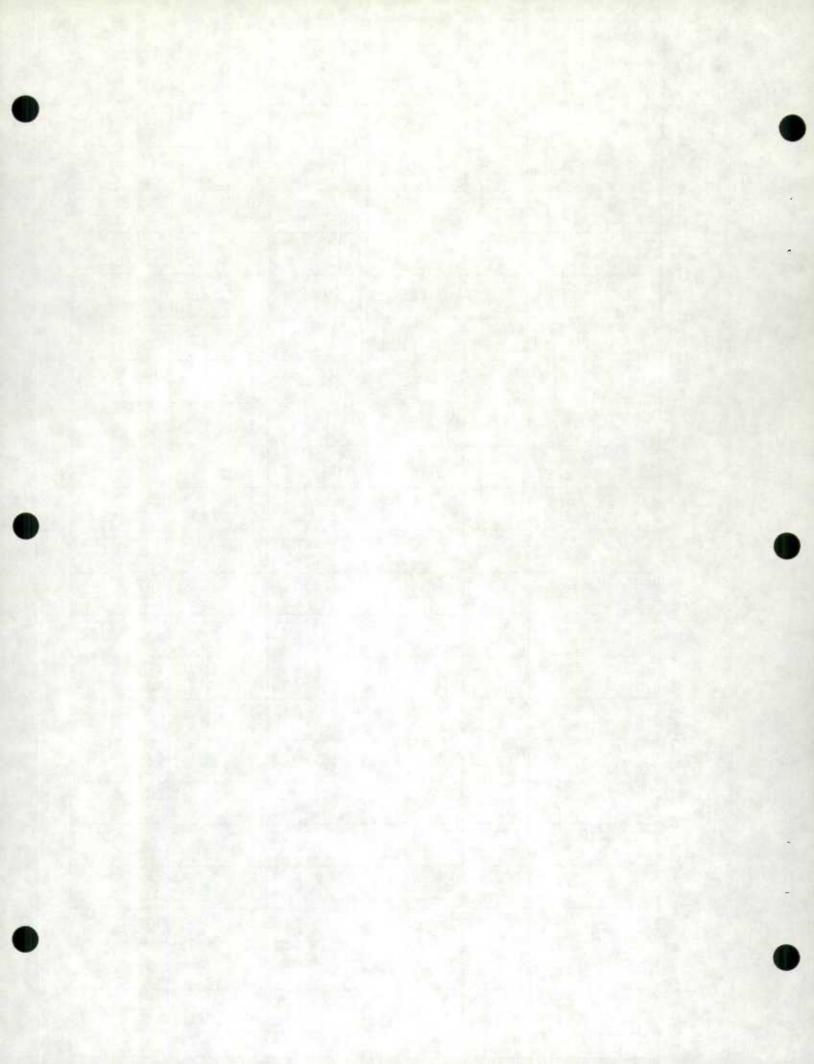
	Non-Response Rates		Jul. 1974	Non-Response Rates		Jul. 1973	Aug. 1973
Non- -Response Component	Aug. 1974	Jul. 1974	to Aug. 1974 (%)	Aug. 1973	Jul. 1973	to Aug. 1973 (%)	to Aug. 1974
Overall	8.4	12.1	-3.7	12.1	19.2	-7.1	-3.7
T.A.	4.0	7.4	-3.4	6.2	12.6	-6.4	-2.2
N.1	1.6	1.7	-0.1	2.3	4.4	-2.1	-0.7
N.2	2.1	2.2	-0.1	2.2	1.7	0.5	-0.1
Other	0.7	0.8	-0.1	1.4	0.5	0.9	-0.7

Table 4(b)

Non-Response Data at the Economic Region Level

Economic Region	Expected Number of Households	Non- Response Rate (%)	Actual Percentage Contribution to Total Non-Response at the R.O. Level	Expected Percentage Contribution to Total Non-Response at the R.O. Level
40	339	7.1	4.4	5.2
41	413	3.8	2.9	6.4
42	212	10.8	4.2	3.3
43	1,002	5.5	10.1	15.5
44	540	8.8	8.7	8.3
45	644	4.4	5.2	10.0
46	508	5.2	4.8	7.8
47	2,814	11.5	59.7	43.5





OTTAWA REGIONAL OFFICE

Table 5(a)

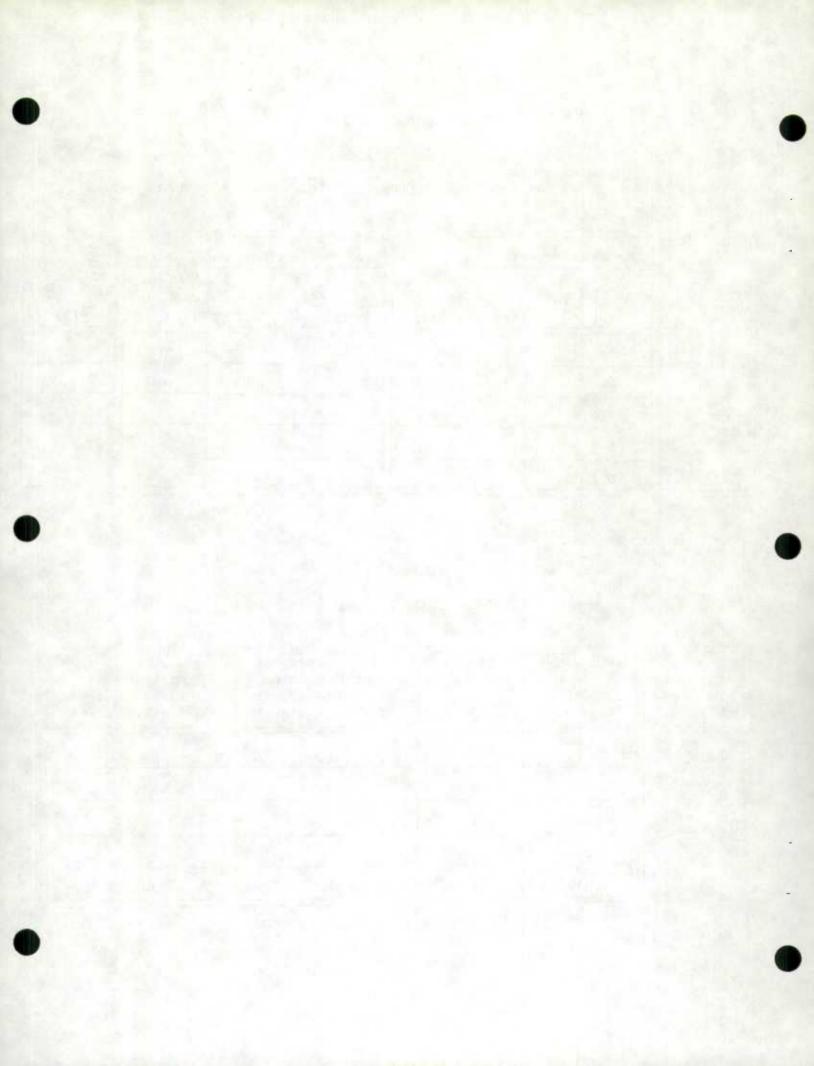
. August, 1974

	Non-Response Rates		Jul. 1974	Non-Response Rates		Jul. 1973	Aug. 1973
Non -Response Component	Aug. 1974	Jul. 1974 (%)	to Aug. 1974 (%)	Aug. 1973	Jul. 1973 (%)	to Aug. 1973 (%)	to Aug. 1974 (%)
Overal1	8.6	9.5	-0.9	9.2	13.9	-4.7	-0.6
T.A.	5.2	5.3	-0.1	4.2	8.6	-4.4	1.0
N.1	1.8	2.4	-0.6	3.0	2.9	0.1	-1.2
N.2	1.5	1.7	-0.2	1.7	2.0	-0.3	-0.2
Other	0.1	0.1		0.3	0.4	-0.1	-0.2

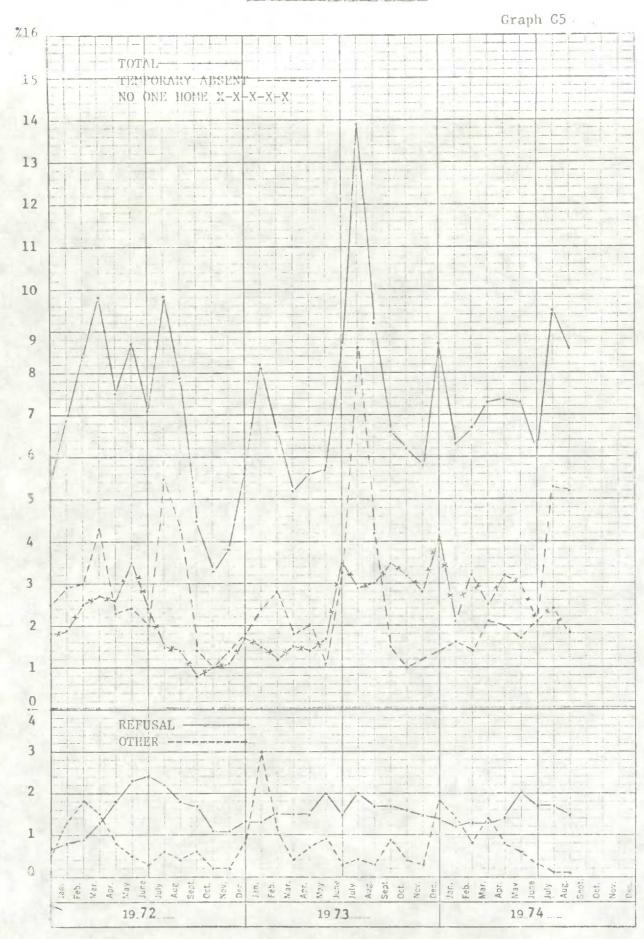
Table 5(b)

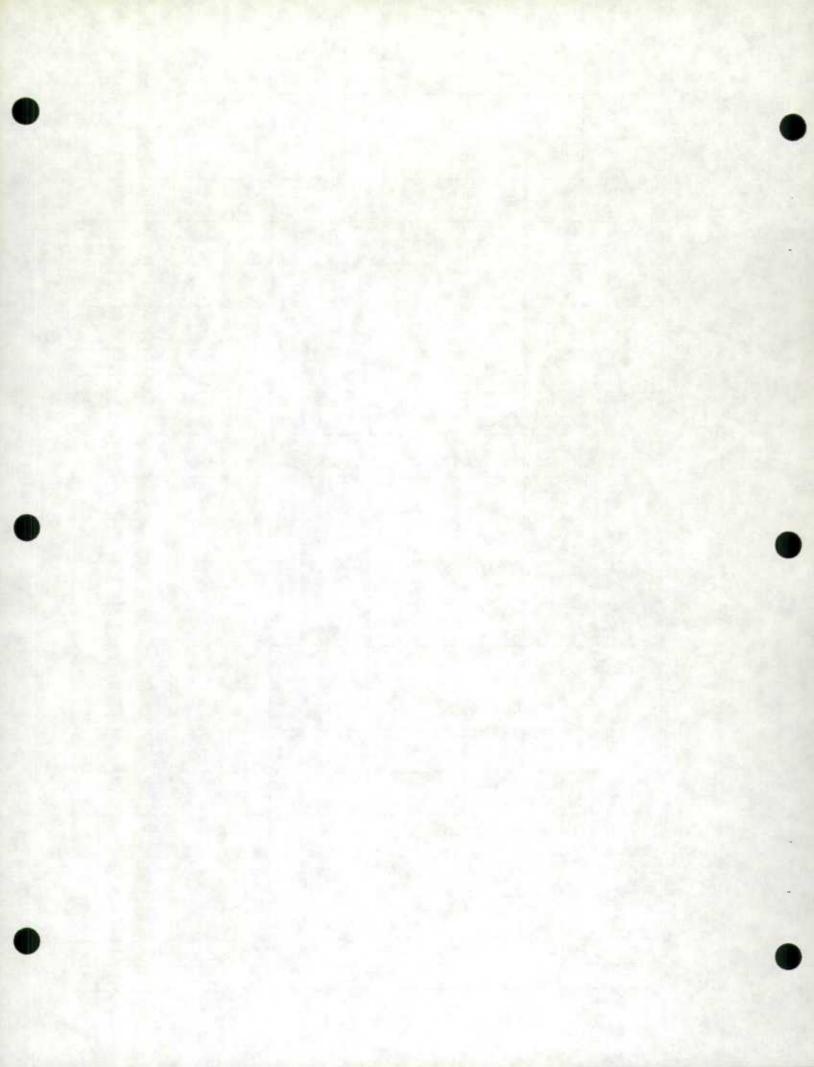
Non-Response Data at the Economic Region Level

Economic Region	Expected Number of Households	Non- Response Rate (%)	Actual Percentage Contribution to Total Non-Response at the R.O. Level	Expected Percentage Contribution to Total Non-Response at the R.O. Level
40	18	0.0	0.0	0.8
48	243	9.9	12.9	11.3
49	136	5.9	4.3	6.4
50	1,116	8.6	51.4	52.1
58	630	9.3	31.4	29.4









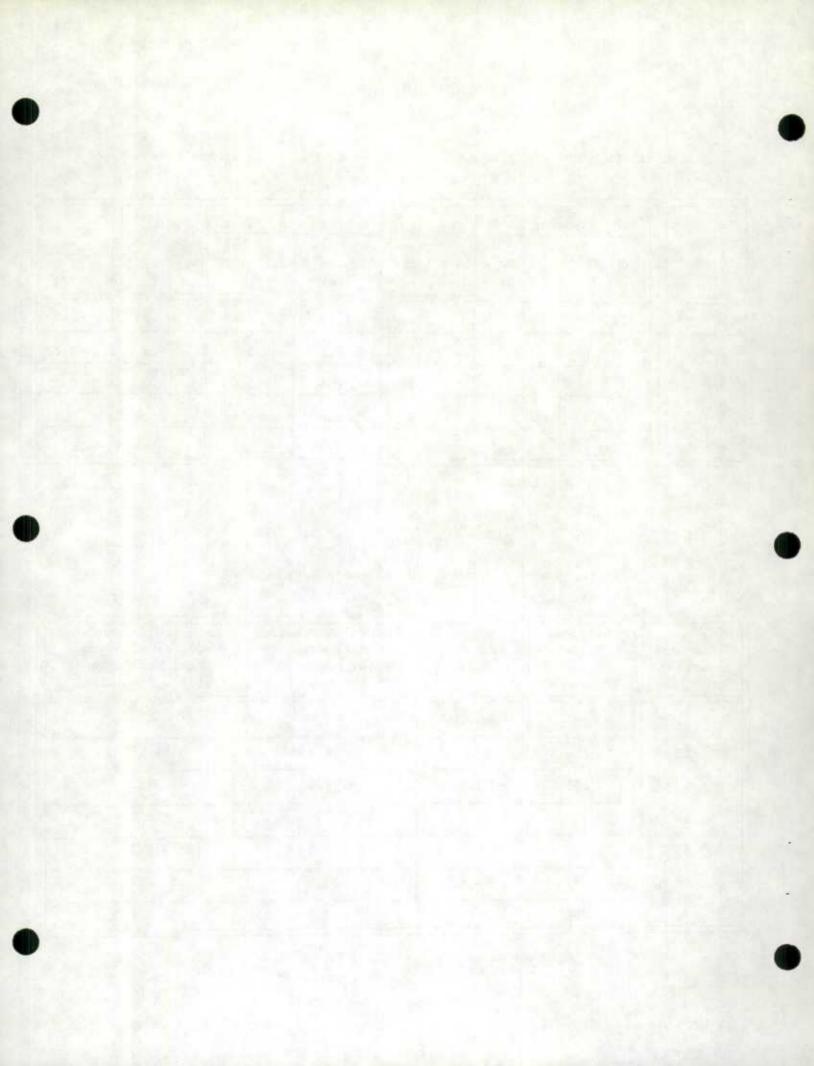
TORONTO REGIONAL OFFICE

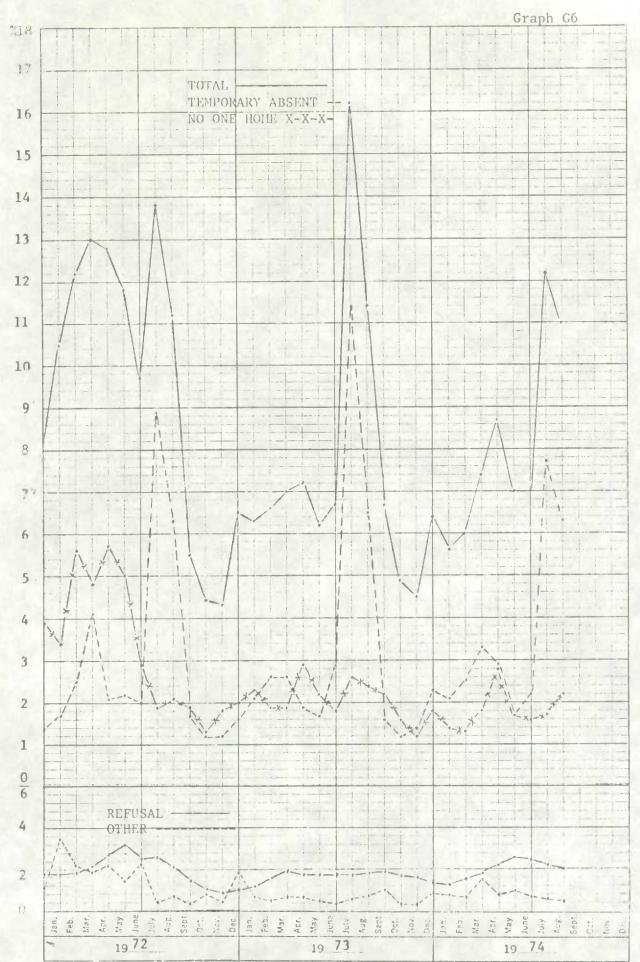
Table 6(a)

	Non-Response Rates		Jul. 1974	Non-Response Rates		Jul. 1973	Aug. 1973
Non -Response Component	Aug. 1974	Jul. 1974 (%)	to Aug. 1974 (%)	Aug. 1973	Jul. 1973 (%)	to Aug. 1973 (%)	to Aug. 1974 (%)
Overal1	11.0	12.2	-1.2	11.4	16.2	-4.8	-0.4
T.A.	6.3	7.7	-1.4	6.5	11.4	-4.9	-0.2
N.1	2.2	1.7	0.5	2.4	2.6	-0.2	-0.2
N.2	2.0	2.2	-0.2	1.8	1.6	0.2	0.2
Other	0.5	0.6	-0.1	0.7	0.6	0.1	-0.2

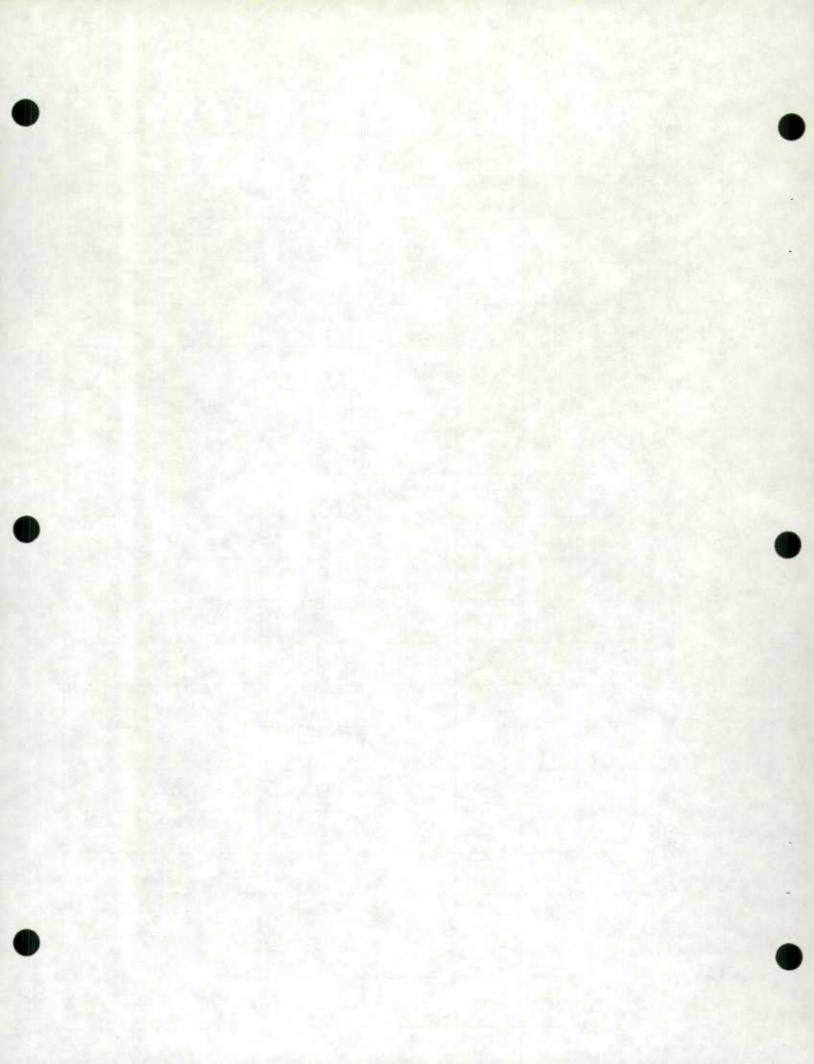
Table 6(b)
Non-Response Data at the Economic Region Level

Economic Region	Expected Number of Households	Non- Response Rate (%)	Actual Percentage Contribution to Total Non-Response at the R.O. Level	Expected Percentage Contribution to Total Non-Response at the R.O. Level
51	484	10.5	6.5	6.7
52	3,054	12.6	48.7	42.5
53	1,091	8.3	11.4	15.2
54	625	12.8	10.2	8.7
55	667	6.2	5.3	9.3
56	642	12.4	10.0	8.9
57	626	9.9	7.9	8.7





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WINNIPEG REGIONAL OFFICE

Table 7(a)

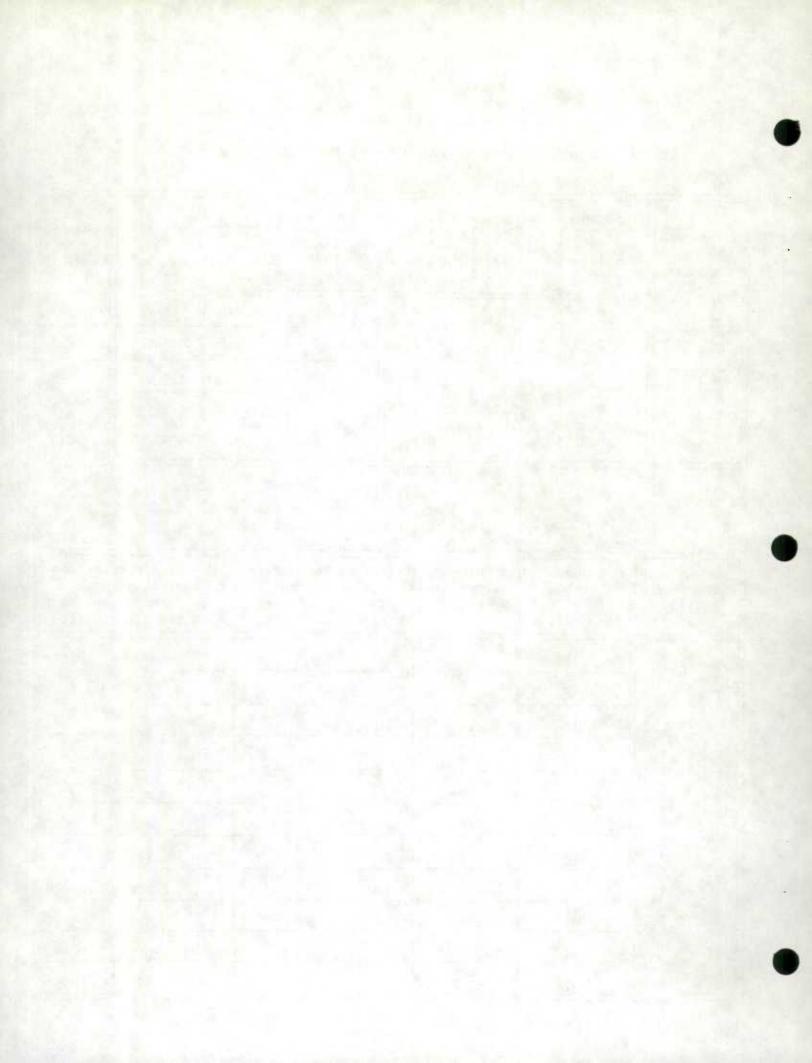
August, 1974

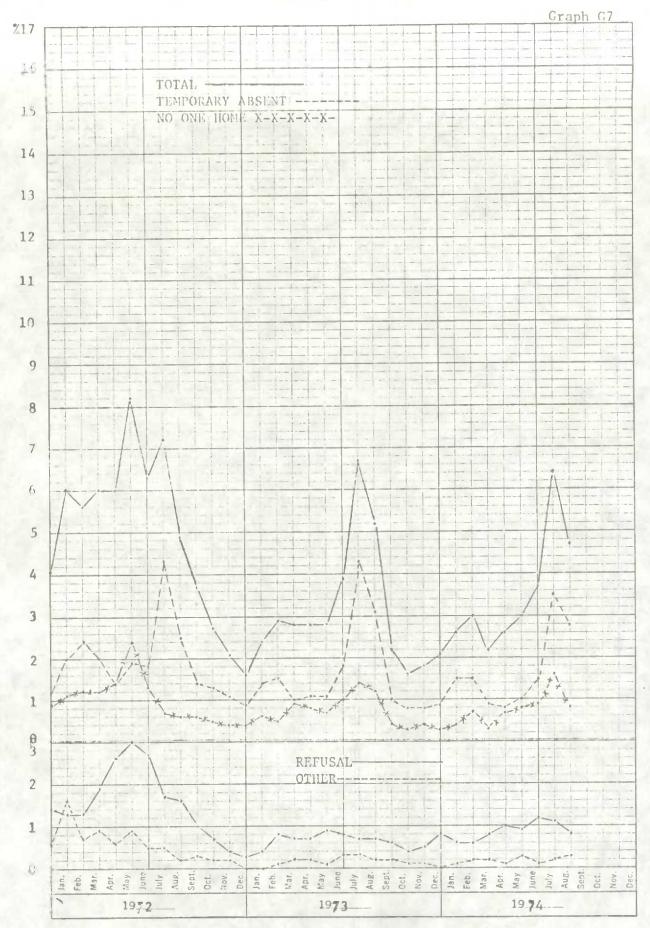
	Non-Response Rates		Jul. 1974	Non-Response Rates		Jul. 1973	Aug. 1973
Non -Response Component	Aug. 1974 (%)	Jul. 1974 (%)	to Aug. 1974 (%)	Aug. 1973	Jul. 1973 (%)	to Aug. 1973 (%)	to Aug. 1974
Overal1	4.7	6.4	-1.7	5.2	6.7	-1.5	-0.5
T,A.	2.8	3.5	-0.7	3.1	4.3	-1.2	-0.3
N.1	0.8	1.6	-0.8	1.2	1.4	-0.2	-0.4
N.2	0.8	1.1	-0.3	0.7	0.7	-	0.1
Other	0.3	0.2	0.1	0.2	0.3	-0.1	0.1

Table 7(b)

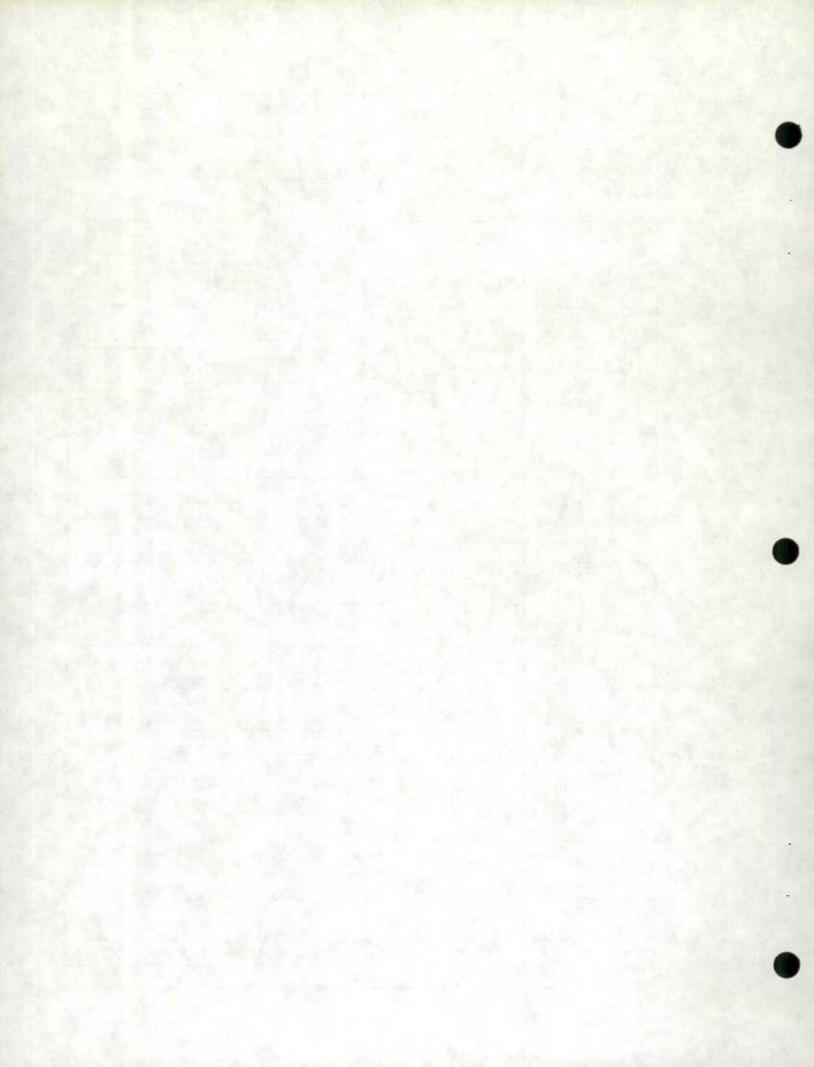
Non-Response Data at the Economic Region Level

Economic Region	Expected Number of Households	Non- Response Rate (%)	Actual Percentage Contribution to Total Non-Response at the R.O. Level	Expected Percentage Contribution to Total Non-Response at the R.O. Level
509	17	0.0	0.0	0.5
59	226	4.9	7.3	7.1
60	1,050	6.8	47.0	32.8
61	159	1.8	2.0	5.0
62	71	1.4	0.7	2.2
63	129	1.6	1.3	4.0
64	286	2.7	5.3	8.9
65	140	0.7	0.7	4.4
70	507	5.1	17.2	15.9
71	323	3.9	8.6	10.1
73	292	5.1	9.9	9,1





3 YEARS BY MONTHS X 100 DIVISIONS XEUFFEL & ESSER CO.



EDMONTON REGIONAL OFFICE

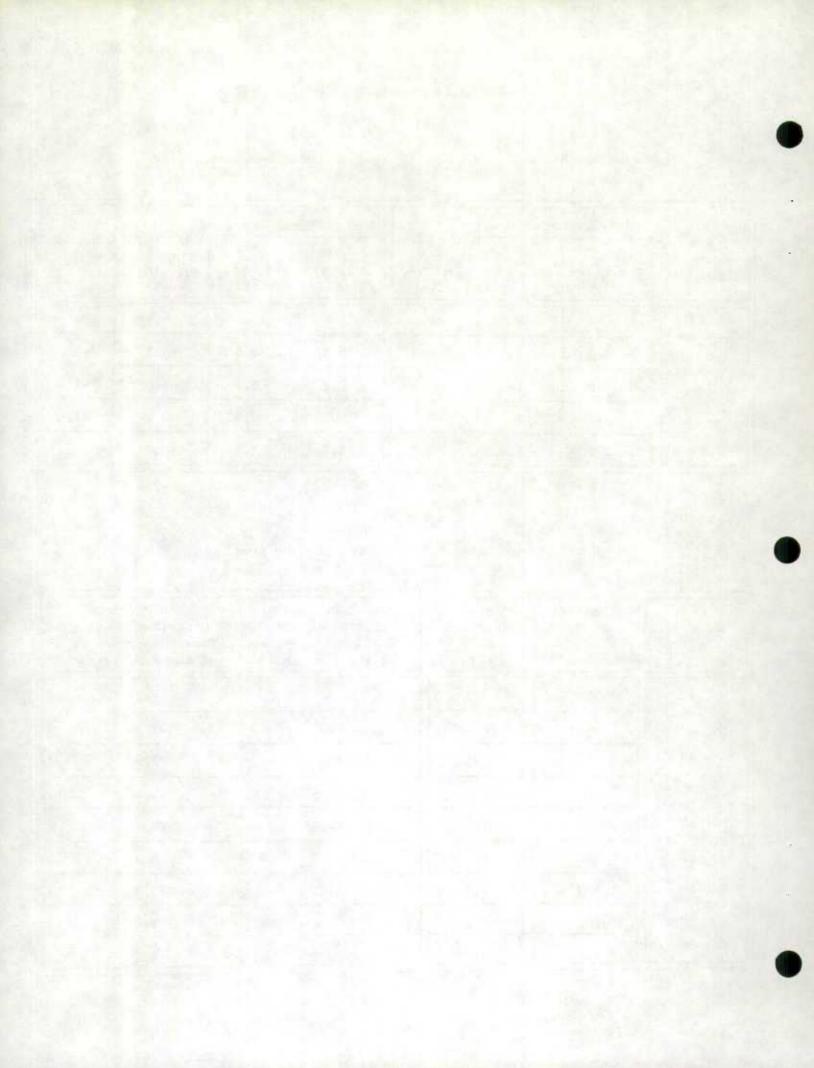
Table 8(a)

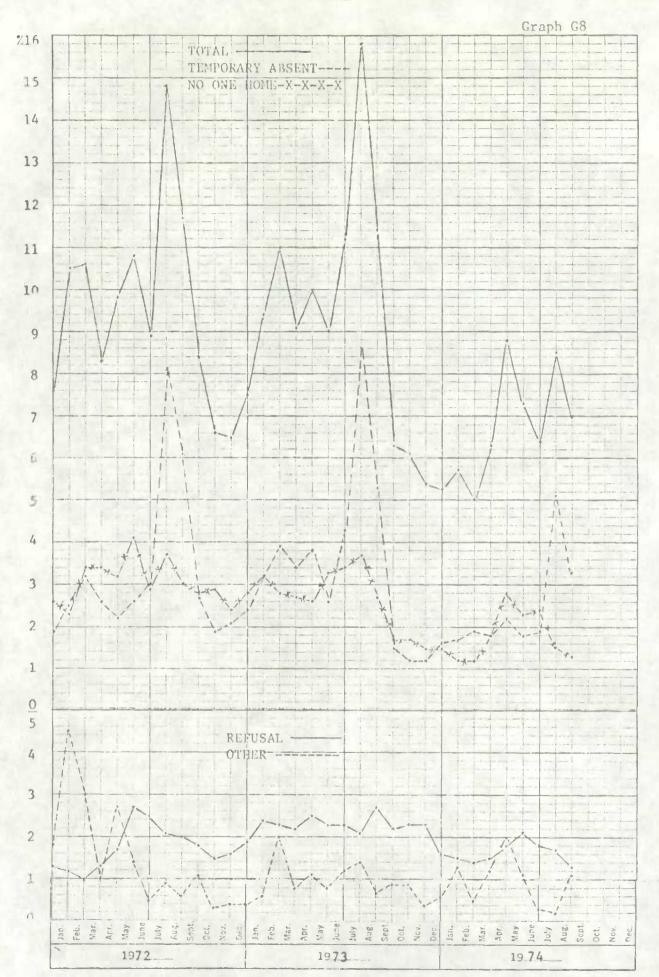
August, 1974

	Non-Response Rates		Jul. 1974	Non-Respon	nse Rates	Jul. 1973	Aug. 1973
Non -Response Component	Aug. 1974	Jul. 1974 (%)	to	Aug. 1973	Jul. 1973 (%)	to Aug. 1973 (%)	to Aug. 1974
Overal1	7.0	8.5	-1.5	11.4	15.8	-4.4	-4.4
T.A.	3.3	5.1	-1.8	5.3	8.6	-3.3	-2.0
N.1	1.3	1.5	-0.2	2.7	3.7	-1.0	-1.4
N.2	1.3	1.7	-0.4	2.7	2.1	0.6	-1.4
Other	1.1	0.2	0.9	0.7	1.4	-0.7	0.4

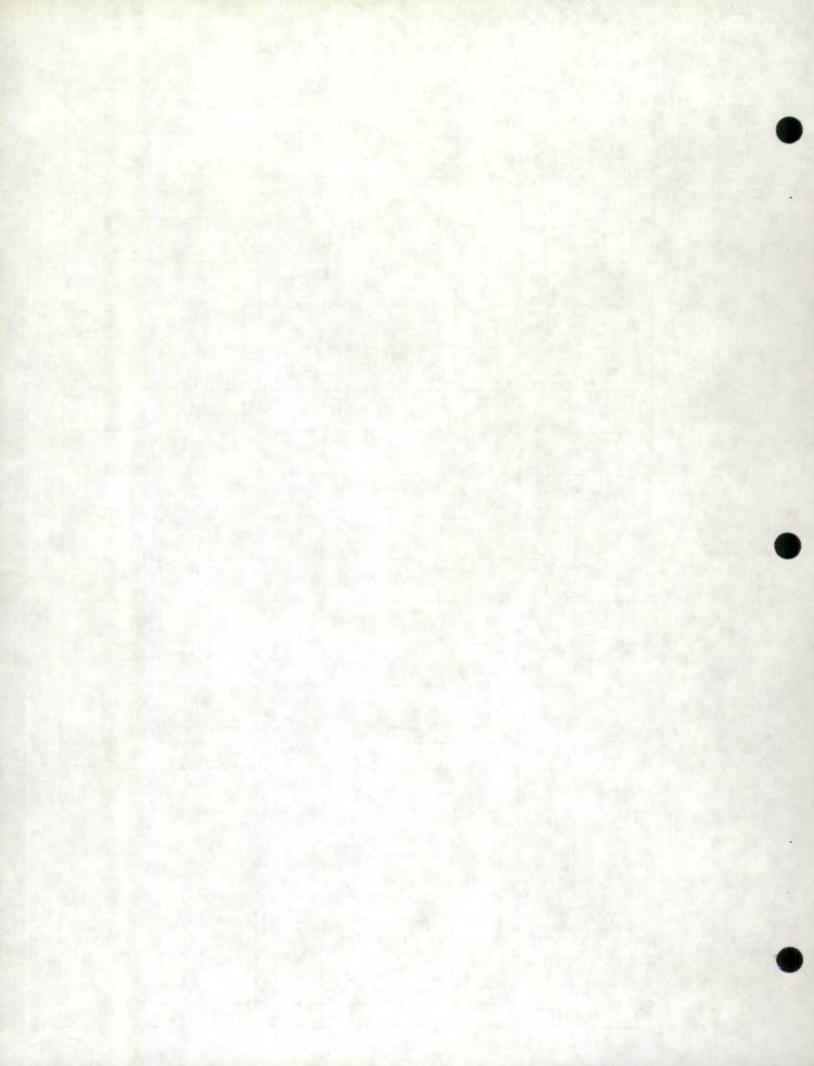
Table 8(b)
Non-Response Data at the Economic Region Level

Economic Region	Expected Number of Households	Non- Response Rate (%)	Actual Percentage Contribution to Total Non-Response at the R.O. Level	Expected Percentage Contribution to Total Non-Response at the R.O. Level
72	383	5.5	7.7	9.8
74	442	6.3	10.3	11.3
80	153	26.8	15.1	3.9
81	218	10.5	8.5	5.6
82	925	7.1	24.3	23.7
83	247	4.4	4.0	6.3
84	1,179	5.8	25.4	30.2
85	201	2.5	1.8	5.1
86	159	5.0	2.9	4.1





X 100 DIVISIONS WAR WORLD BEAR KEUFFEL & ESSER CO.



VANCOUVER REGIONAL OFFICE

Tabla 9(a)

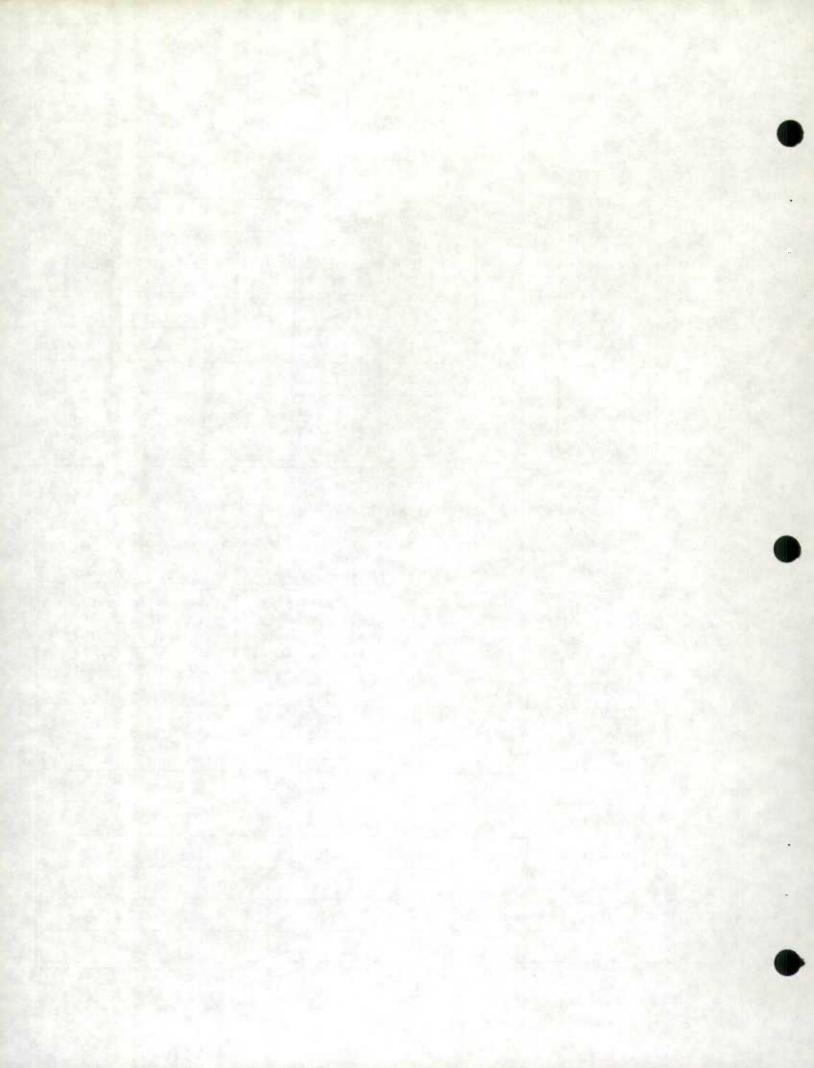
August, 1974

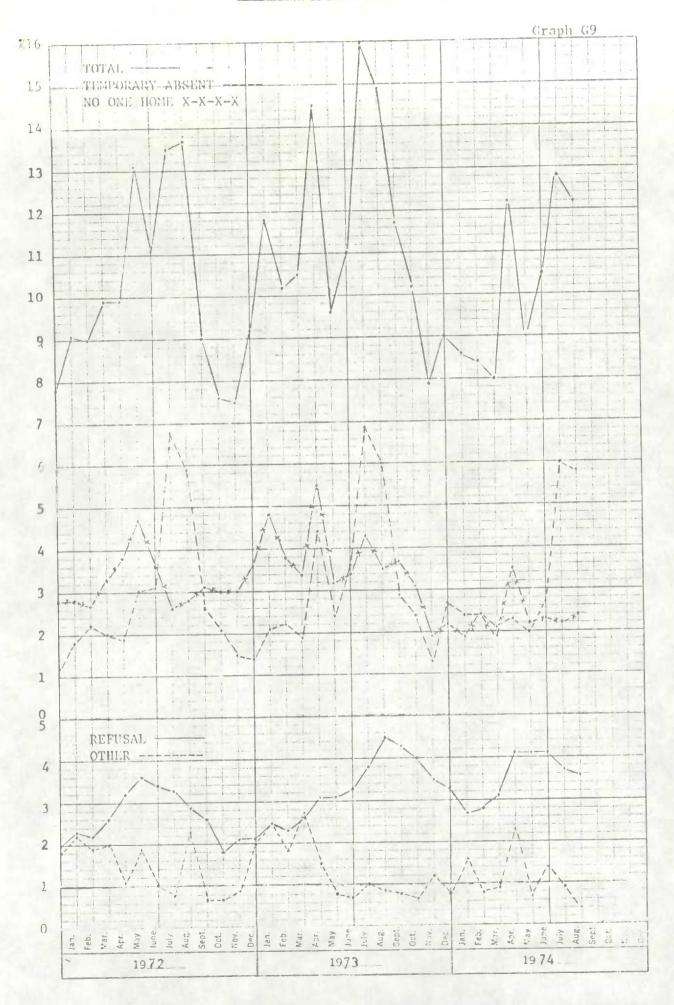
	Non-Respo	Non-Response Rates		Non-Response Rates		Jul. 1973	Aug. 1973
Non -Response Component	Aug. 1974	Jul. 1974 (%)	Jul. 1974 to Aug. 1974 (%)	Aug. 1973	Jul. 1973 (%)	to Aug. 1973 (%)	to Aug. 1974 (%)
Overal1	12.2	12.8	-0.6	14.9	16.0	-1.1	-2.7
T.A.	5.8	6.0	-0.2	6.0	6.9	-0.9	-0.2
N.1	2.4	2.2	0.2	3.5	4.3	-0.8	-1.1
N.2	3.6	3.7	-0.1	4.5	3.8	0.7	-0.9
Other	0.4	0.9	-0.5	0.9	1.0	-0.1	-0.5

Table 9(b)

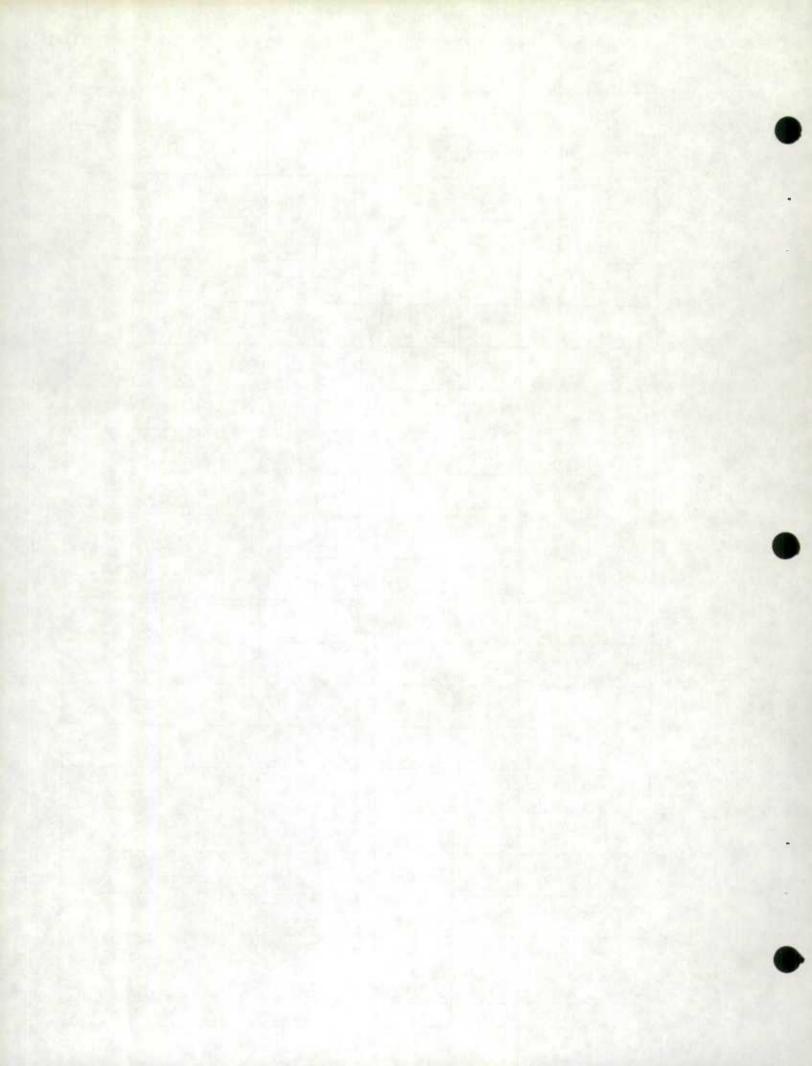
Non-Response Data at the Economic Region Level

Economic Region	Expected Number of Households	Non- Response Rate (4)	Actual Percentage Contribution to Total Non-Response at the R.O. Level	Expected Percentage Contribution to Total Non-Response at the R.O. Level
90	89	10.1	1.9	2.3
91	141	15.6	4.5	3.6
92	293	7.2	4.3	7.4
93	177	15.2	5.6	4.5
94	2,076	11.8	50.6	52.5
95	818	11.8	20.0	20.7
96	61	11.5	1.5	1.5
97	244	20.1	10.1	6.2
98	53	13.2	1.5	1.3





X 100 DIVISIONS 46 3290 KEUFFEL & ESSER CO.



Definitions

1. Dwelling

A dwelling is a set of living quarters which is structurally separate and has a private entrance from outside the building or from a common hall or stairway inside the building. The entrance must be one which can be used without passing through someone else's living quarters.

2. Household

A household refers to any person or group of persons occupying a dwelling. A household may consist of a family group with or without servants, lodgers etc., or it my consist of a group of unrelated persons sharing a dwelling, or even one person living alone. Hotels, motels and institutions may also contain one or more households composed of staff members, employees, permanent residents or persons who have no usual place of residence elsewhere.

3. Expected Number of Households

The expected number of households is defined as the number of households (as defined above) in a specified area. It should be noted that dwellings classified as a V-types are not included in this count since they contain no households.

4. Non-Response Rate

The non-response rate refers to the proportion of the expected number of households that were not interviewed due to their unavailability to the survey interviewer or to the back of co-operation on the part of the householder. It is the sum of the four components defined below:

(i) Temporarily absent (T.A.)

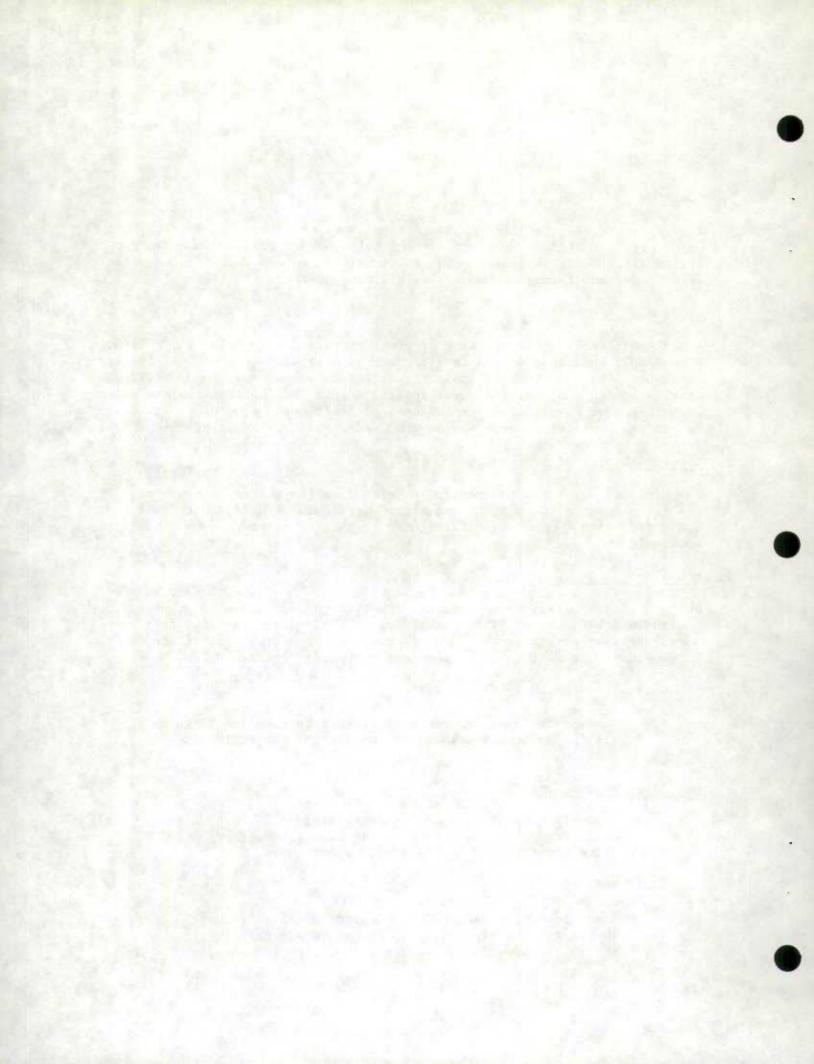
A temporarily absent household refers to a household where all the household members are absent for the entire interview week.

(ii) No one home (N1)

A non-interview household is designated as "No one home" when after a reasonable number of call backs, there was no responsible member available to interview.

(iii) Refusal (N2)

A non-interview household is designated as a "refusal" when a responsible member of the household definitely refuses to provide the survey information requested.



(iv) Other (N3-N6)

A non-interview household is designated as "other" when the non-interview is due to reasons other than those specified above. Such non-interviews may be due to no interviewer available, impassable road conditions, death, illness, language problems, interviewers' returns lost in the mail, etc.

5. Economic Region (E.R.)

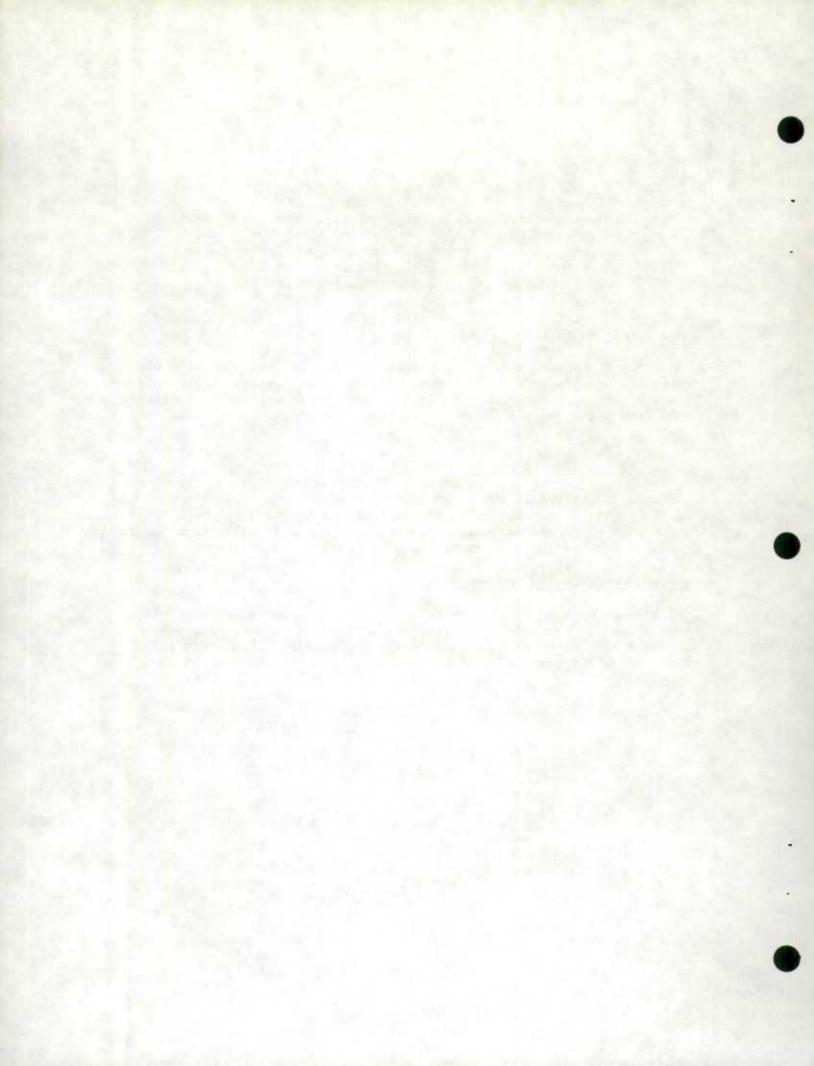
Each province in Canada is divided into a number of geographical areas called economic regions. An economic region is defined as an area of structural homogeneity according to such factors as soil characteristics, production and marketing possibilites and commercial and industrial potential.

6. Actual Contribution to Non-Response

This term is defined as the ratio of the number non-respondent households (ie, T.A., N1, N2, N3-N6) in an economic region (or in a regional office) to the number of non-respondent households in the regional office (or in Canada). This ratio is expressed as a percentage.

Expected Contribution to Non-Response

This term is defined as the ratio of the expected number of households in an economic region (or in a regional office) to the expected number of households in the regional office (or in Canada). This ratio is expressed as a percentage.

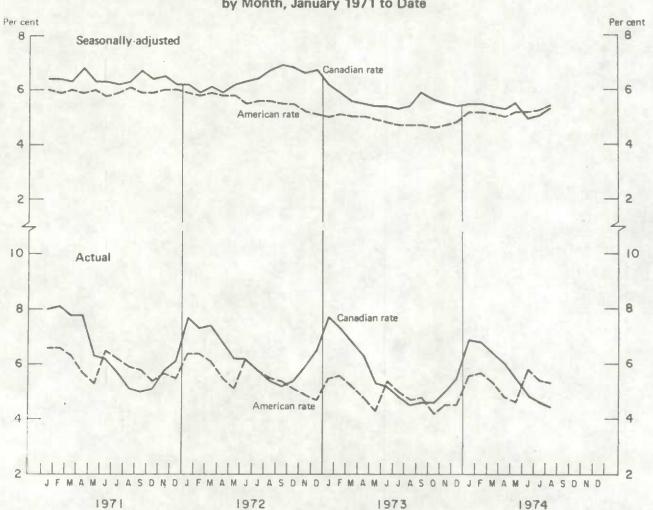


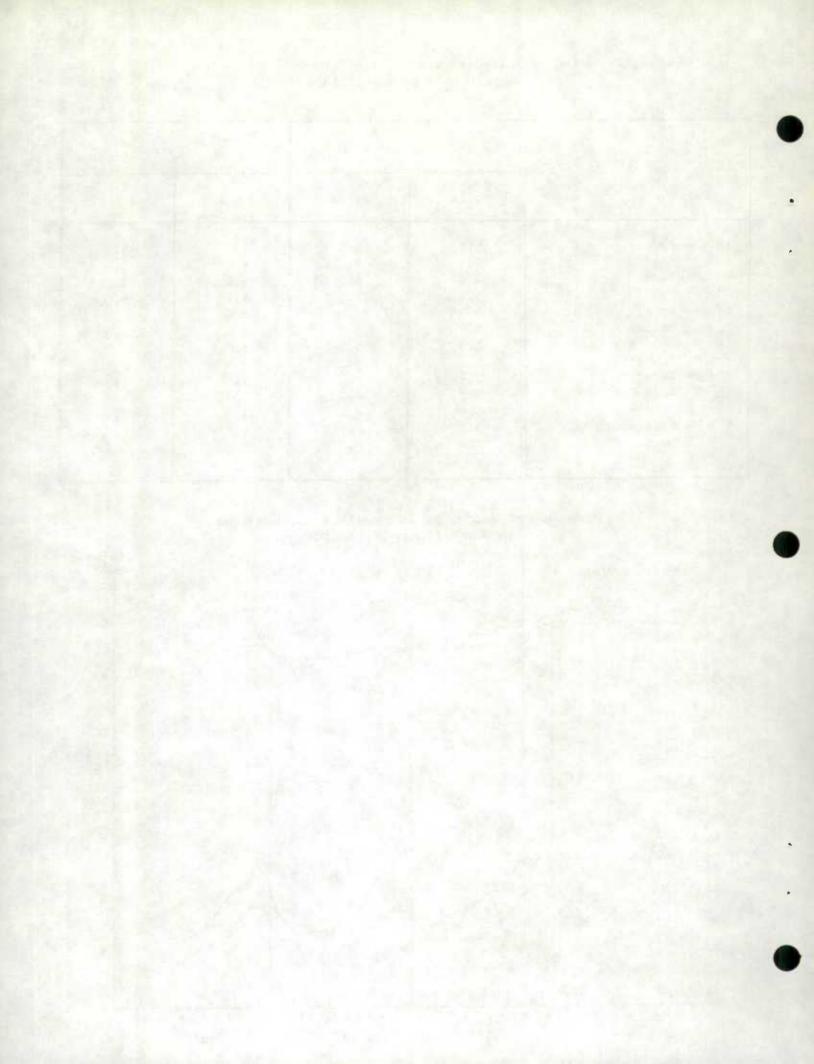
Comparison of Canadian and American Unemployment Rates August 1973 to August 1974

	Seasonally	y-Adjusted	Actual		
	Canadian	American	Canadian	American	
1974 - August	5.3	5.4	4.4	5.3	
July	5.1	5.3	4.6	5.4	
June	4.9	5.2	4.8	5.8	
May	5.5	5.2	5.4	4.6	
April	5.3	5.0	6.0	4.8	
March	5.4	5.1	6.4	5.3	
February	5.5	5.2	6.8	5.7	
January	5.5	5.2	6.9	5.6	
1973 - December	5.4	4.8	5.5	4.5	
November	5.5	4.7	5.0	4.5	
October	5.6	4.6	4.6	4.2	
September	5.9	4.7	4.6	4.7	
August	5.4	4.7	4.5	4.7	

G - 11

Comparison of Canadian and American Unemployment Rates by Month, January 1971 to Date



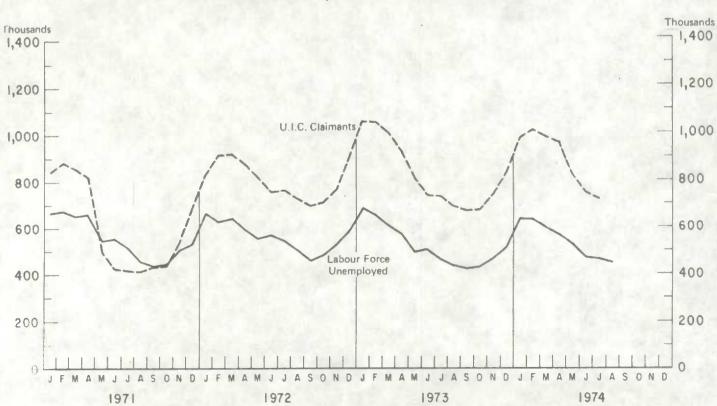


Comparison of LFS Unemployed and UIC Claimants Series

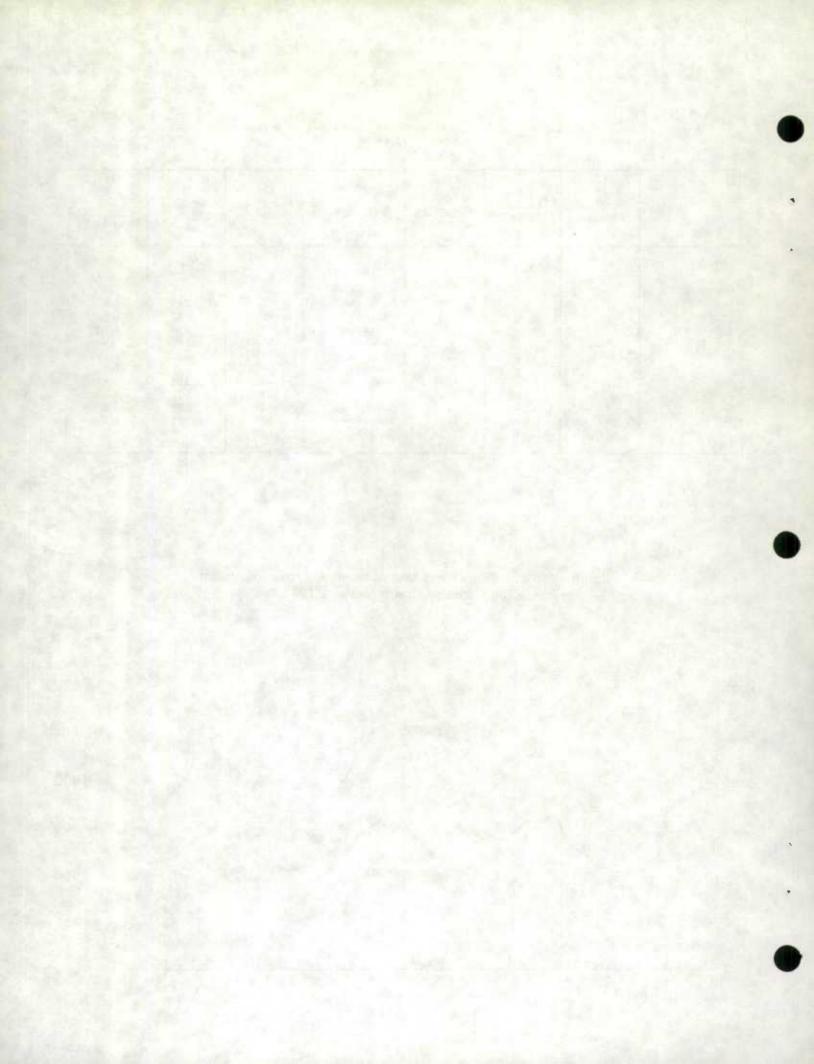
January 1973 to date

	LFS Unemployed (000's)	UIC Claimants (000's)	Ratio Claimants Unemployed		LFS Uncmployed (000's)	UIC Claimants (000's)	Ratio Claimants Unemployed
1974				1973			
December				December	512	835	1.63
November				November	468	744	1.59
October				October	429	677	1.58
September				September	421	676	1.61
August	447			August	433	691	1.60
July	465	719	1.55	July	461	733	1.59
June	469	748	1.59	June	503	739	1.47
May	524	825	1.57	May	493	810	1.64
April	568	960	1.69	April	570	921	1.62
March	599	984	1.64	March	608	1,003	1.65
February	635	1,009	1.59	February	655	1,055	1.61
January	637	981	1.54	January	688	1,056	1.53

Comparison of Labour Force Unemployed and Unemployment Insurance Claimants by Month, January 1971 to Date



G-11



Unemployment rate represents the number unemployed as a per cent of the civilian labour force.

Canadian civilian Labour Force, in the Labour Force Survey concept, is composed of that portion of the civilian non-institutional population 14 years of age and over who, during the reference week, were employed or unemployed.

American civilian Labour Force, in the Current Population Survey concept, is composed of that portion of the civilian non-institutional population 16 years of age and over who, during the reference week (which contains the 12th day of the month), were employed or unemployed.

List of some differences in the concepts of claimants and unemployed

UIC

- need to have worked at least 8 weeks in past year to be eligible
- interruption of earnings resulting from unemployment, illness or pregnancy
- must be capable of and available for work and unable to obtain suitable employment (except in case of illness and pregnancy)
- contribution and benefit entitlement ceases for a person: (a) at the age of 70, or (b) to whom a retirement pension under the Canada Pension Plan or the Quebec Pension Plan has at any time become payable
- claimants can work and be eligible for total benefit if weekly earnings do not exceed one quarter of weekly rate of benefit; work-related income in excess of 25% of weekly rate is deducted from benefit.

LF unemployed

- does not need to have worked before
- activity concept: (1) did not work, (2) actively searched for a job, and (3) was able to work

no upper age boundaries.
 See activity concept.

 unemployed cannot have worked worked a single hour in reference week STATISTICS CANADA LIBRARY
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