2021 Biennial Drinking Water **Plants Survey**

CONFIDENTIAL once completed

Selon nos dossiers votre langue de reférence est l'anglais, si vous préférez recevoir ce docum n français, veuillez nous appeler au numéro s is fra vant: 7-949-9492 OR ATS 1-800-363-7629

This information is collected under the authority of the ansucs Act, Revised tes of Canada, 1985, Chapter S-19. COMPLETION OF THIS QUESTIONNAIRE A LEGAL REQUIREMENT ONDER THIS ACT.

Introduction

Survey purpose

This survey collects information on the quantity water processed by plants that draw raw water from the invironment to produce potable water. The plants in the survey range from ones that use complex treatment processes for Sur se water to ones that use minimal treatment for groundwater. The lata will be used to track the state of water supply and demand on a regional basis in Canada and to deve mental accounts.

Your information may also be used by Statistic Canada for other statistical and research purposes.

Security of emails and faxes

Statistics Canada advises you that the owner upon receipt. Statistics Canada will provide the g nteed level of protection unc afforded all information collected authority of the Statistics Act.

Statistics Act. Note: our online questionnaires are as used, there is no risk on Note: our online questionnaires are as used on the statistics Canada online surveys.

Confidenti lity

The Statistics Let protects the collected by Statistics Canada. rotects the confidentiality of information

Data sharing greements

To reduce respondent burden, Statistics Canada has entered into data-sharing agreements with provincial and territorial tistical agencies and other government organizations, hich have agreed to keep the data confidential and use them only or struistical purposes.

nti n on confidentiality, data-sharing agreements Infon. and record linkages can be found on the last page of this nnaire. esi

Please return the questionnaire within 60 days.

Please mail the completed questionnaire in the enclosed envelope or fax it to Statistics Canada at 1-888-883-7999.

mplete within 60 days **or** if you need help,

If you are unable 1-877-949-9492 or TTY 1-800-363-7629. call b

> Statistics Canada Operations and Integration Division 150 Tunney's Pasture Driveway Ottawa, Ontario K1A 0T6

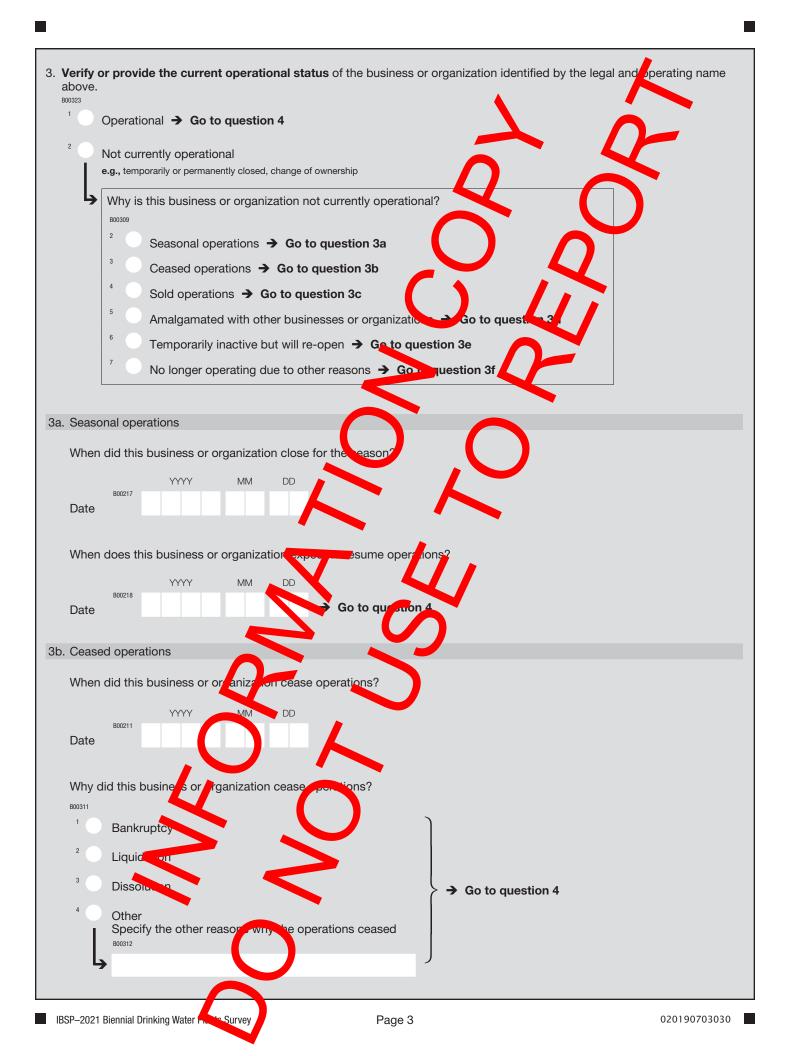
Visit our website, www.statcan.gc.ca

5-3600-5149.1: 2021-12-15



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Reporting instructions					
Please print in ink.					
Report dollar amounts in Canadian dollars.					
• Exclude sales tax.					
 Percentages should be rounded to whole num 	nbers.				
 When precise figures are not available, provid 					
· · · · · · · · · · · · · · · · · · ·					
Business or organization and cont	tact information				
 Verify or provide the business or organization Note: Legal name modifications should only be done to complete the state of the state of		t where meded.			
Legal name	perating ame (if app	able			
2. Verify or provide the contact information o	f the designated busit as or organization	ntact person for this questionnaire			
and correct where needed.					
Note: The designated contact person is the person who s actually completes the questionnaire.	hould receive this substionnaire. The designated conta	cryson may not always be the one who			
First name	Last name				
	Lust name				
Title	Pret	ferred language of communication			
		English French			
Mailing address (number and street)					
, , , , , , , , , , , , , , , , , , ,					
City	Province, territory or sta	ate			
Postal code or ZIP code					
Example: A9A 9A9 or 12345-1234					
Country					
Email address	\frown				
Email address Example: user@example.gov.ca					
Telephone number no luding area code	Extension number				
Example: 123-123-124	(if applicable)				
Fax number (including area cod					
Example: 123-123-1234					
IBSP-2021 Biennial Drinking Water Filter Survey	Page 2	020190703020			

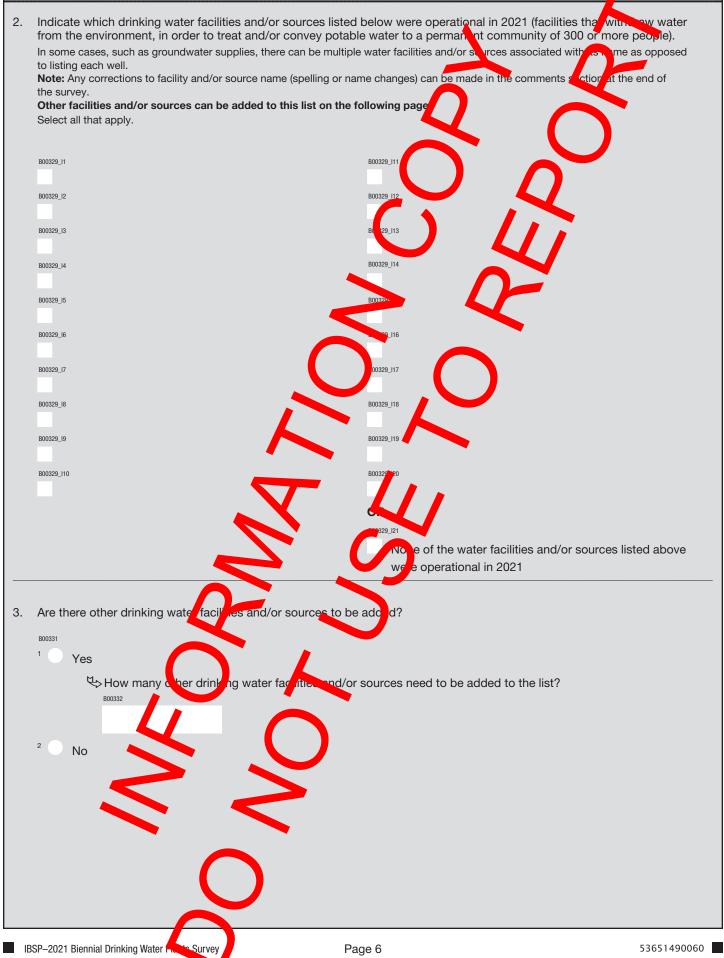


3c.	Sold operations	
	When was this business or organization sold?	
	YYYY MM DD	
	Date	
	What is the legal name of the buyer?	\mathbf{O}
		→ Go tu question 4
3d	Amalgamated with other businesses or organizations	
ou.		
	When did this business or organization amalgamate?	
	B00213	
	What is the legal name of the resulting or continuing business anization?	
	bueu/	
	What are the legal names of the other amalgamated rusines es or organizations?	
	800408	➔ Go to question 4
		• do to question 4
3e.	Temporarily inactive but will re-open	
	When did this business or organization become temporarily inactive?	
	YYYY MM DD B00214	
	Date	
	When does this business or organization, spect to result operations?	
	YYYY MM PT	
	Date	
	Why is this business or a ganization temporarily i active?	
	Why is this business or a ganization temporarily i active?	
		➔ Go to question 4
3f.	No longer operating due to other reasons	
	When did this business organization cean operations?	
	800216 NYY MM DP	
	Date	
	Why did this business or organization scase operations?	
	800314	
IB	SP–2021 Biennial Drinking Water Figure Survey Page 4	020190703040

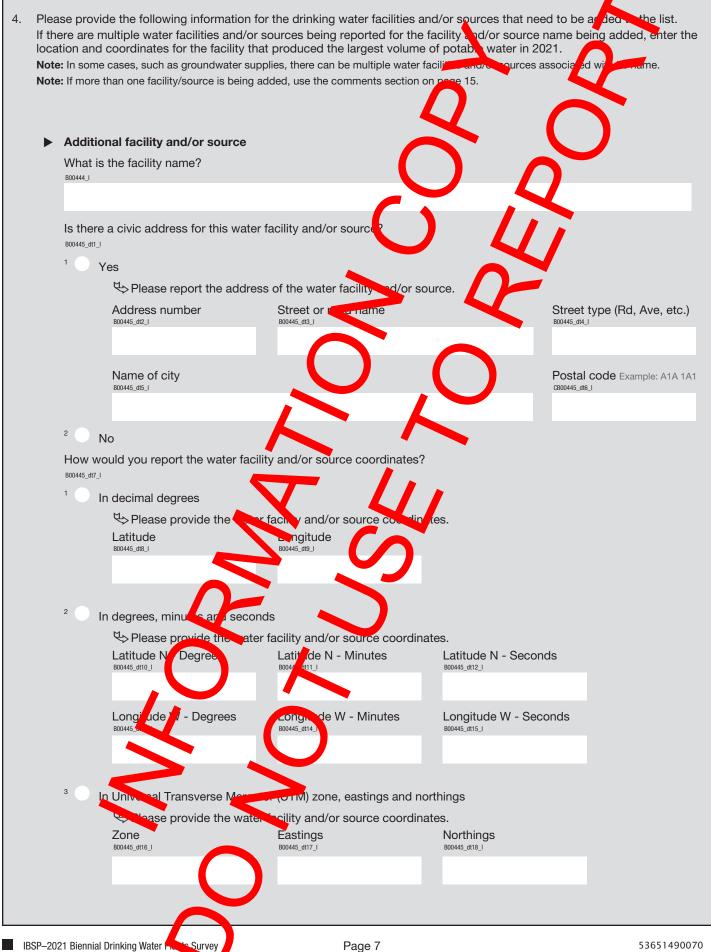
Drinking water plant information for 2021

 In 2021, did your organization own and/or operate drinking water facilities that withdraw water from the crivironne to treat and/or convey potable water to a permanent community of 300 or more people? 	t in order
res	
² No	
Please indicate the reasons why your organization does not own and/or operate drinking water facilities that we water from the environment, in order to treat and/or convey pothole water to a permanent or mmunity of 300 or people?	ithdraw r more
Select all that apply.	
B00327_r1	
Your water system serves less than 300 people	
B00327_r2	
You own and/or operate a distribution system only	
Source and the second s	
B00328	
B00327_r90	
Other reason	
또> Specify other reason.	
B00327_r80	
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Drinking water plant information for 2021



Drinking water plant information for 2021



Dri	inking water I	plant information	for 2021	
5.	Why are any fac	ilities and/or sources, r	not selected in question 2, no longer operatio	nal?
	Comments B00333			
			\sim	
			- Ŭ	Li
6.	Please provide a	a reason for the new wa	ater facilities/source you added to your list.	
	Comments B00334		\bigcirc	
			K N	
			∇l_{l_l}	
Po	table water v	olumes for 22/1		
7.		easure with be used to r	report voluties of potable water for all facilitie	es and/or sources listed previously
	B40271 EQ_VOL_M3	Cupic metres		
	EQ_VOL_L	Litres	\mathbf{O}	
	EQ_VOL_ML	wegalitres		
	EQ_VOL_IMPGAL	Imperial gallons 1 imperial gallon	4.5 litres	
	EQ_VOL_USGAL	U.S. gallons 1 U.S. gallon equations	Hitres	
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Potable water volumes for 2021 What were the monthly volumes of potable water produced in 2021 for all water facilities and/or sources is breviously in 8. this questionnaire? nthly Volumes 15181 January a. E45181_tp: February b. E45181_tp3 March c. E45181_tp4 d. E45181_tp5 May e. E45181_tp6 f. E45181_tp7 July g. E45181_tp8 August h. E45181_tp9 September i. E45181_tp10 October j. E45181_tp11 November .. k. E45181_tp12 December ١. E45181_tp100 Total volume of potable water pr duced in 2 9. Are the potable wa umes reported me ered or e timated? VC B00518 1 Metered 2 Estimate IBSP–2021 Biennial Drinking Water Page 9 53651490090 Survey

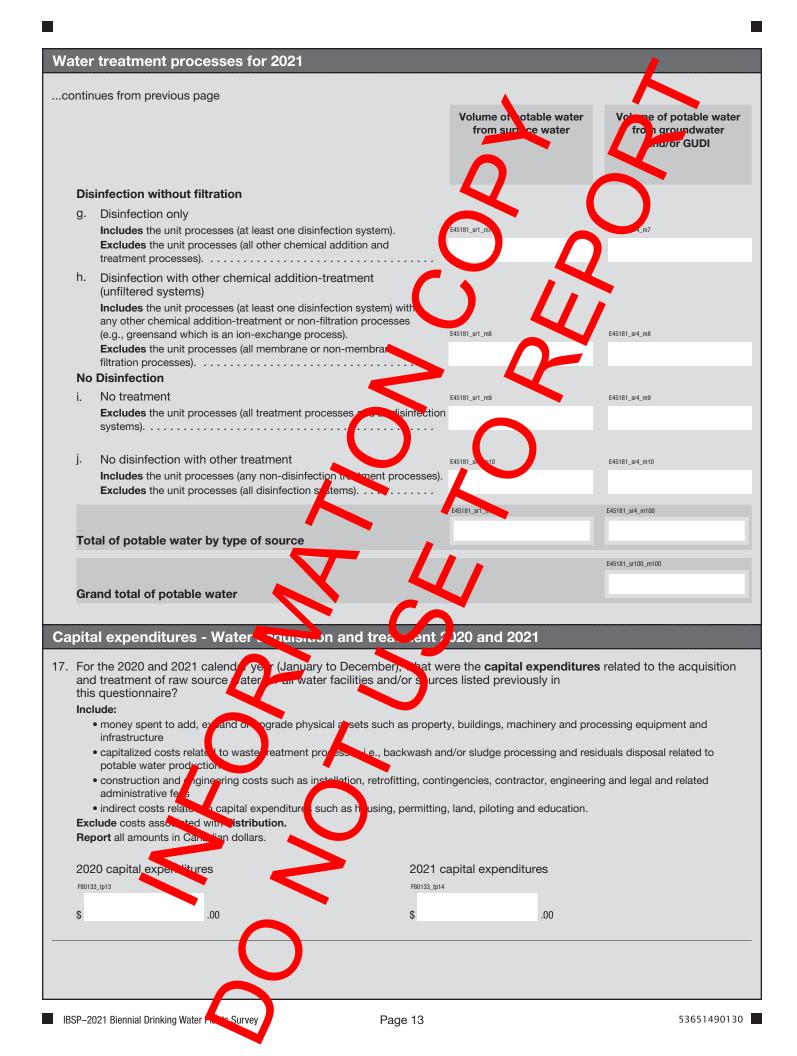
Source water types for 2021

10.	sou and	 he total volume of potable water produced in 2021, what is the breakdown of the volume of p proceeding water type and the number of production facilities where raw water is withdrawn from t /or conveyed as potable water? e: • Report the combined total for all water facilities and/or sources listed previously in the questionnaire. • Indicate the number of production facilities and wells where raw water is withdrawn from the environm potable water. • Verm/ of potable water group of production by source water type 	he environment and treated	
	Sοι	Irce water type	B15006_sr1	
	a.	Surface water	B15006_sr2	
	b.	Groundwater		
	c.	Groundwater under direct influence (GUDI) of surface vater GUDI refers to groundwater supply sources under conditions when microbial pathogens are able to travel from surface water to the groundwater source.	B15006_sr3	
	Tot	al	B15006_sr100	
Se	cto	r use and population served for 2021		
11.	 11. Of the total volume of potable water proceed or 2021, what is the breakdown of the volume of potable water consumed by the following sectors for all facilities and/or correct listed previously in this questionnaire? Note: • If your organization is a water who saler to ther jurisdictions please consult with them to provide the volumes of water for lines a., b., and c. below. • Report the combined total for all water facilities and/or sources biocopreviously in this questionnaire. • When precise figures are not provide blocks provide you be resting ites. • Consult with other departments. Whin your organization if necessary 			
			Volume of potable water consumed	
			E61331_sc1	
	a. b.	Residential		
	D.	e.g., industrial, comparisial, institutional, agriculture, municipal services and other non-residentian res	E61331_sc2	
			E61331_sc3	
	C.	Losses from the distribution system e.g., leaks, system maintenance and fluction		
	d		E61331_sc4	
	d.	Wholesale water provided to other jurise, tions e.g., water transferred to other municipalities or towns, that distributed the water to consumers		
	Tot	al potable water consume	E61331_sc100	

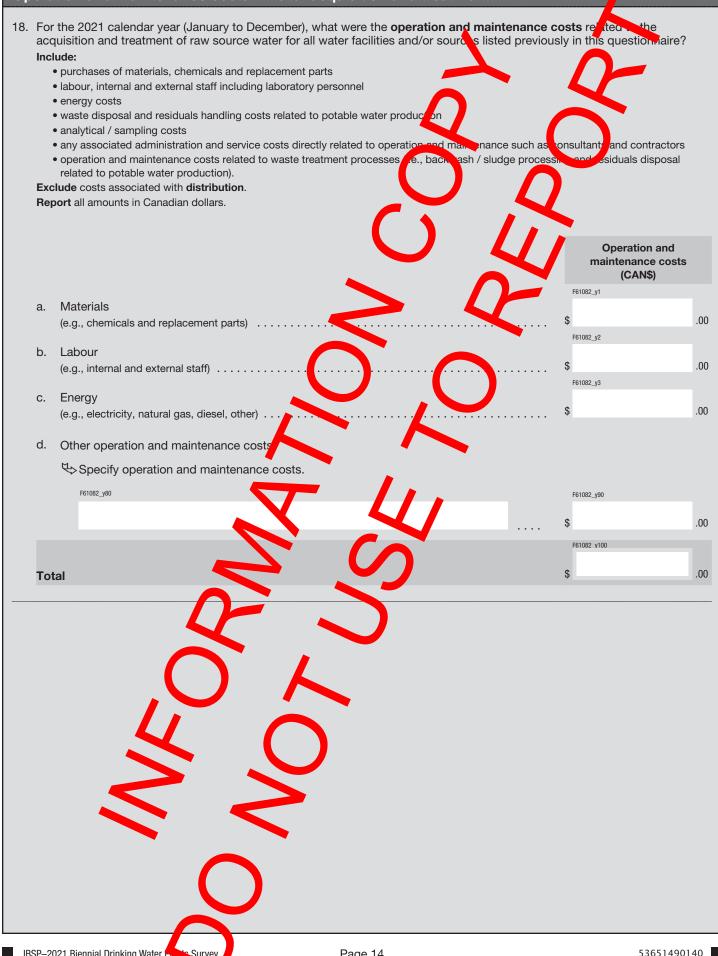
Sector use and population service	ved for 2021	1
 12. What sources of information were used all that apply. B00519_md1 Specific study and/or analysis B00519_md2 Water billing accounts B00519_md90 Other sources of information ♥> Specify other sources of information B00519_md80 	\mathcal{A}	
 13. In 2021, what was the number of period in this questionnaire? When precise figures are not available, Number of people E61332 	eople served by all the water facilities and/or source of please provide your bottlesumates.	isted previously
 14. Does the number of people provide ^{B00335} ¹ Yes ² No 	ed in question 13 include those served by wholesale w	vater sent to other jurisdictions?
 15. What sources of information were Select all that apply. B00521_md1 Specific study and/or an dysis B00521_md2 Water billing accourts B00521_md3 Census data B00521_md90 Other sources of internation Specify other sources of internation B00521_md80 		
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Water treatment processes for 2021

16.	one is applied for primary and/or secondary disinfection. If reporting for multiple facilities that fall under different categories, report the volumes subotable water produced by each treatment category.			n this questionnere? irranation permution. At least
			from surface water	from groundwater and/or GUDI
	Disi	infection with filtration		
	a.	Conventional treatment		
		Includes the unit processes (granular media filtration: single, dual triple media), coagulation-flocculation, clarification-semimentation, at least one disinfection system. Report integrated and sand ballased systems that combine processes of coagulation-flocculation- sedimentation with granular media filtration in this cate, or Excludes the unit processes (all membrane filtration systems)	E45181m1	E45181_sr4_m1
		Excludes the unit processes (all memorane nitration esterns)	6	
	b.	Direct filtration Includes the unit processes (granular media filtration. agle, dual or		
		triple media), coagulation-flocculation, at least one disinfection system. Excludes the unit processes (all membrane) systems, all clarification-sedimentation processes).	E45181_sr1_m2	E45181_sr4_m2
	c.	Granular media filtration (single, dual or trade media) - withe the coagulation		
		Includes the unit processes (granular me lia filmation: single, utal or triple media), at least one disinfection system. Excludes the unit processes (all othe citration processes, coagulation).	E45181_sr1_m3	E45181_sr4_m3
	d.	Membrane filtration		
		Includes the unit processes any resolution e system, i.e., ultra, mich, nano, reverse osmosis), at east one disinfection system. Excludes the unit processes (all ther filtration processes)	E45181_sr1_m4	E45181_sr4_m4
	e.	Membrane filtration with othe filtration		
		Includes the unit processes (any membrane system i.e., ultra, micro, nano, reverse osmosis explied with any other fill ation, processes), at least one disinfection system.	E45181_sr1_m5	E45181_sr4_m5
	f.	Other filtration steels		
		Includes the unit processes (cartridge filter bag filter, now sand filtration used in their own or any combination together, or in		
		combination with genular media filtration: single drawor triple media), at least one disinfective system.	E45181_sr1_m6	E45181_sr4_m6
		Excludes the unit processes (all membrane filtree a systems)		
				continues on next page



Operation and maintenance costs - Water acquisition and treatment



Со	ontact person		1
19. 3	Statistics Canada may need to contact the person who comple	ted this questionnaire for further informat	Λ.
	If the contact person is the same as on cover page, please che	ck O → Go to "Feeuback"	
	Otherwise, who is the best person to contact about this quest	ionnaire?	
	First name		
	Last name	QQ	
	Title	U U	
	Email address (Example: user@example.gov.ca)		
	Telephone number (including area code) Example: 123-123-1234	on number Fan number (including s cable) Example: 123-123-1234	area code)
Fee	eedback	K	
20. 21.	How long did it take to complete this que tion ure? Include the time spent gathering the necessary live mation We invite your comments about this quest sumaire.		Hours Minutes
IBS	3SP–2021 Biennial Drinking Water Hune Survey Page	15	870201907030

Confidentiality

Your answers are confidential.

By law, Statistics Canada is prohibited from releasing any information it collects that could identify any person, business, or organization, unless consent has been given by the respondent, or as permitted by the *Statistics Act*. Statistics Canada will use the information from this survey for statistical purposes only.

Data-sharing agreements

To reduce respondent burden, Statistics Canada has entered into data-sharing agreements with provincial and territorial statistical agencies and other government organizations, which have agreed to keep the data confidential and use them only for statistical purposes. Statistics Canada will only share data from this survey with those organizations that have demonstrated a requirement to use the data.

Section 11 of the *Statistics Act* provides for the sharing of information with provincial and territorian statistical agencies that meet certain conditione. These agencies must have the legislative autority to collect the same information, on a manuatory basis, and the legislation must provide substantially the same provisions for confidentiality and penalties for disclosure of confidential information as the *Statistics Act*. Because these agencies have the legal authority to compel businesses to provide uncame information, consent is not requested and businesses may not object to the sharing of the data.

For this survey, there are **Section 11** agreements with the provincial and territorial statistical agencies of Newfoundland and Labrador, Nova Scotia, New Brunswick, Ontario, Manitoba, Sackate Lewan, Alberta, British Colombia and the Yukon The shared data will be l'hited to information portaining to business establishments located within the possidiction of the respective province or territory.

Section 12 of the *Statistics Acceptible* s for the sharing of information with federal provincial or territorial government organizations. Under **Section 12**, You may respect of share You information with any of these arganizations by writing a sitter of objection to the Chief Statistician and returning it with the completed question naire. Please specify the organizations with which you do not washed share Your data.

For this survey, and a are **Section 12** agreements with the statistical action is of Prince Edward Island, Northwest Territories and Nunavut as well as with Health Cancela, Environment Canada and Infrastructure Canada.

For agreements with provincial and territorial government organizations, the shared data will be limited to information pertaining to business establishments located within the jurisdiction of the respective province or territory.

Record Integes

To enhance the data from this survey and to reduce the reporting burden, Statistics Canada may combine the arquired data with information from other surveys or from administrative sources.

Mank you for completing this questionnaire.

Please retain a copy for your records.

it our website, www.statcan.gc.ca