

Heritage Occupations in Saskatchewan, October 2013 SaskTrends Monitor Report

This report was developed in response to the need for heritage statistics that reflect the concept of *Living Heritage* based on UNESCO's 2003 definition of Intangible Cultural Heritage.

As many heritage organizations rely on public domain data to build the case for heritage the search began with cultural statistics reports based on Statistics Canada data that is readily available. However, the 2011 Canadian Framework for Culture Statistics (CFCS) is limited in what it measures and does not reflect the breadth and depth of heritage activities or the contribution heritage workers make to individual and community development or quality of life in general. As this report demonstrates, developing a framework to undertake the systematic collection of labour market information specifically related to heritage and heritage workers is urgently needed not only to measure the economic impact but to inform policy development, decision-making and planning processes.

Heritage Saskatchewan would like to thank **Doug Elliott** for his curiosity about heritage occupations as well as his time and thoughtful reflection in analysing the data and preparing this report.



Tracking economic, social, and demographic trends from a Saskatchewan perspective.

Heritage Occupations in Saskatchewan

Research prepared for:

Heritage Saskatchewan

October 1, 2013

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Background and Notes

- This material summarizes research that was conducted by Sask Trends Monitor for Sandra Massey and Heritage Saskatchewan.
- The project goal was to determine how many people in Saskatchewan worked in heritage occupations and some of the basic characteristics of the employees and their positions.
- The National Occupational Classification (NOC), an occupational classification scheme developed by Statistics Canada and Human Resources Development Canada, was used to construct a list of heritage occupations. The NOC is a 4-digit classification scheme. At the four-digit level, it describes occupational groups at nearly the job title level with approximately 500 different codes. The last digit and/or second last digit of the NOC can be dropped to yield occupational groups at a lower level of detail but still grouped in a meaningful way. For example,
 - librarians (NOC=5111) are part of
 - the "librarians, archivists, conservators and curators" group (NOC=511) which are, in turn, part of
 - the "professional occupations in art and culture" group (NOC=51) which are, in turn, part
 of
 - the "occupations in art, culture, recreation and sport" group (NOC=5).





Background and Notes (continued)

A broad definition of "heritage occupations" was used.

A heritage worker is someone who understands and uses aspects of living heritage in their work, to address present day concerns/social issues and supports individual and community development in the process.

These are occupations where the day-to-day duties would be influenced by an understanding of heritage. Almost all occupations have some aspect of heritage so we tried to identify those occupations where it would normally be an important part.

The definition of a heritage worker was based on the concept of living heritage and UNESCO's definition of "Intangible Cultural Heritage".

The practices, representations, expressions, knowledge, skills - as well as the instruments, objects, artifacts and cultural spaces associated therewith - that communities, groups and, in some cases, individuals recognize as part of their cultural heritage. This intangible cultural heritage, transmitted from generation to generation, is constantly recreated by communities and groups in response to their environment, their interaction with nature and their history, and provides them with a sense of identity and continuity, thus promoting respect for cultural diversity and human creativity.

The list of occupations at the 4-digit level was developed by Doug Elliott, Sandra Massey, and several members of Heritage Saskatchewan.

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Background and Notes (continued)

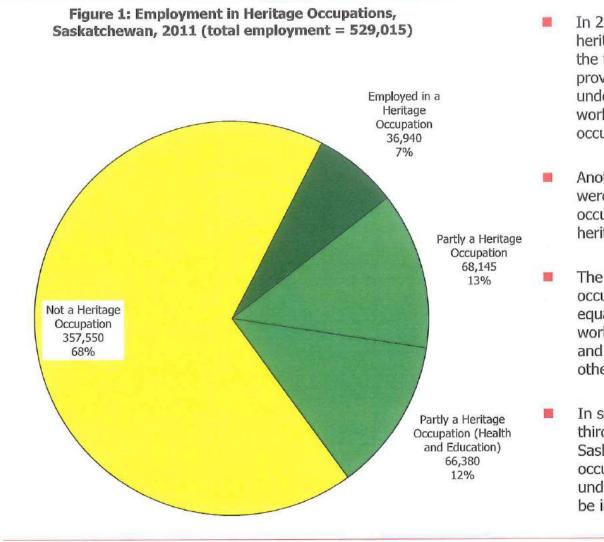
- The occupations were grouped into four categories.
 - Heritage occupations were those in which almost all employees in those positions would require an understanding of heritage.
 - At the other extreme were occupations where an understanding of heritage would probably not be required – non-heritage occupations.
 - Many occupations fall between these two extremes and were classified as partly heritage occupations. Almost all occupations involved in the delivery of health and education services were classified in this group. Because the health and education sector is large, it was identified separately in the statistics.
- The list of occupations and their category is attached as Appendix A.
- The statistics that are included in this report are from Statistics Canada's 2011 National Household Survey (NHS) which is the name for the "voluntary census" conducted in 2011. Respondents who were employed were asked to describe the kind of work performed during the week of May 1 to May 7, 2011. These descriptions were coded to the NOC by Statistics Canada.



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Employment in Heritage Occupations, Saskatchewan



- In 2011, employment in heritage occupations was 7% of the total employment in the province – the equivalent of just under 37,000 individuals working in 64 different occupations.
- Another 25% of those employed were classified as working in an occupation that was "partly" a heritage occupation.
- The "partly a heritage occupation" group were almost equally divided between those working in health and education and those who were working in other industry groups.
- In summary, approximately a third of those employed in Saskatchewan are working in an occupation where an understanding of heritage would be important.



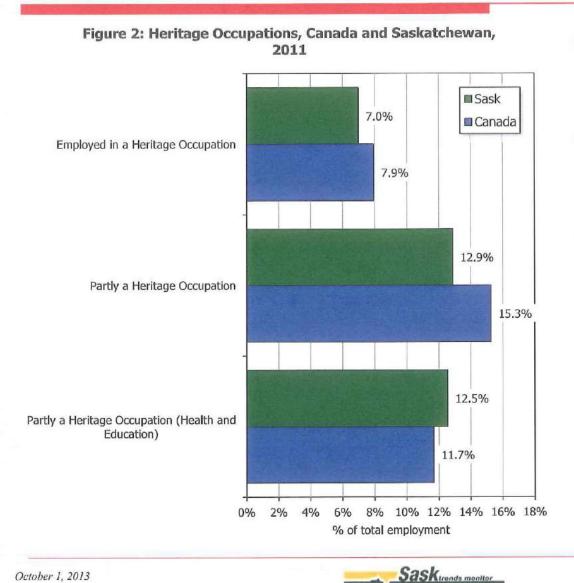
Heritage Occupations (showing 2011 employment in Saskatchewan)

NOC	Description Employment		NOC	Des
4214	Early childhood educators and assistants	5,170	2225	Land
4212	Social and community service workers	4,180	5242	Inter
4311	Police officers (except commissioned)	2,990	0512	Man
4422	Correctional service officers	1,985	2224	Con
4152	Social workers	1,575	2153	Urba
4154	Professional occupations in religion	1,540	5122	Edito
4153	Family, marriage and other related counsellors	1,020	1213	Sup
0423	Managers in social, community and correctional services	990	5136	Pain
0014	Senior managers - health, education, social, community services, membership organizations	920	0411	Gov
5111	Librarians	860	2251	Arch
6321	Chefs	855	4217	Othe
5241	Graphic designers and illustrators	805	5134	Dan
5133	Musicians and singers	795	2151	Arch
4165	Health policy researchers, consultants and program officers	770	6346	Fune
4166	Education policy researchers, consultants and program officers	745	2223	Fore
1451	Library assistants and clerks	650	5212	Tech
5211	Library and public archive technicians	635	5243	Thea
4164	Social policy researchers, consultants and program officers	595	0511	Libra
0513	Recreation, sports and fitness program and service directors	560	4169	Othe
5131	Producers, directors, choreographers and related occupations	520	0413	Gov adm
2212	Geological and mineral technologists and technicians	485	2152	Land
0011	Legislators	480	5132	Con
2113	Geoscientists and oceanographers	460	5135	Acto
4167	Recreation, sports and fitness policy researchers, consultants and program officers	415	6531	Tou
5244	Artisans and craftspersons	395	8442	Trap
1223	Human resources and recruitment officers	390	0431	Con
4151	Psychologists	370	5113	Arch
4155	Probation and parole officers and related occupations	350	5125	Tran
5121	Authors and writers	335	2122	Fore
5123	Journalists	335	8262	Fish
5221	Photographers	330	5112	Con
1226	Conference and event planners	305		

NOC	Description	Employment
2225	Landscape and horticulture technicians	270
5242	Interior designers and interior decorators	260
0512	Managers; publishing, motion pictures, broadcasting, performing arts	250
2224	Conservation and fishery officers	240
2153	Urban and land use planners	235
5122	Editors	225
1213	Supervisors, library, correspondence, and related workers	215
5136	Painters, sculptors and other visual artists	215
0411	Government managers - health and social policy development and program administration	180
2251	Architectural technologists and technicians	180
4217	Other religious occupations	175
5134	Dancers	170
2151	Architects	155
6346	Funeral directors and embalmers	150
2223	Forestry technologists and technicians	145
5212	Technical occupations related to museums and art galleries	125
5243	Theatre, fashion, exhibit and other creative designers	110
0511	Library, archive, museum and art gallery managers	95
4169	Other professional occupations in social science, n.e.c.	90
0413	Government managers - education policy development and program administration	80
2152	Landscape architects	65
5132	Conductors, composers and arrangers	65
5135	Actors and comedians	65
6531	Tour and travel guides	65
8442	Trappers and hunters	65
0431	Commissioned police officers	55
5113	Archivists	45
5125	Translators, terminologists and interpreters	45
2122	Forestry professionals	40
8262	Fishermen/women	35
5112	Conservators and curators	20



Comparison with Canada as a Whole

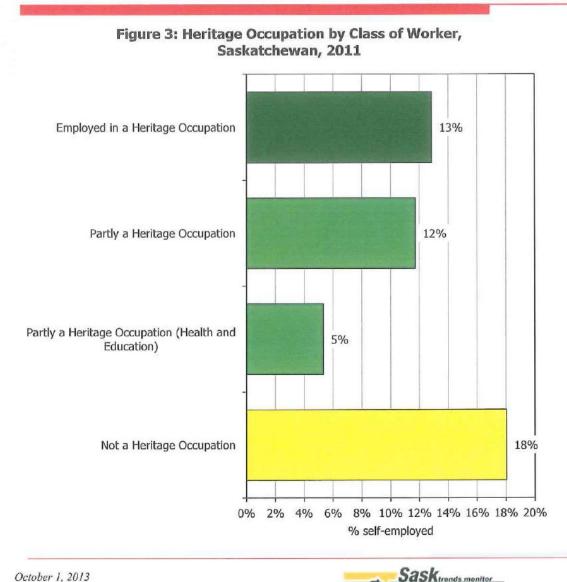


Employment in heritage occupations is slightly more common in Canada than in Saskatchewan.

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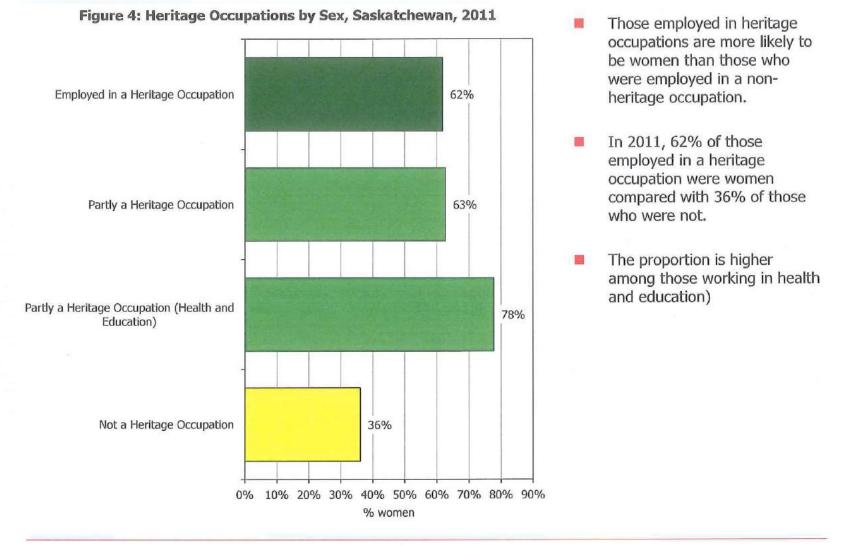
- In 2011, 7.9% of employment in Canada was in a heritage occupation compared with 7.0% in Saskatchewan.
- More broadly, 34.9% of employment in Canada was in an occupation classified as "partly a heritage occupation". This compares with 32.4% in Saskatchewan.

Employment by Class of Worker



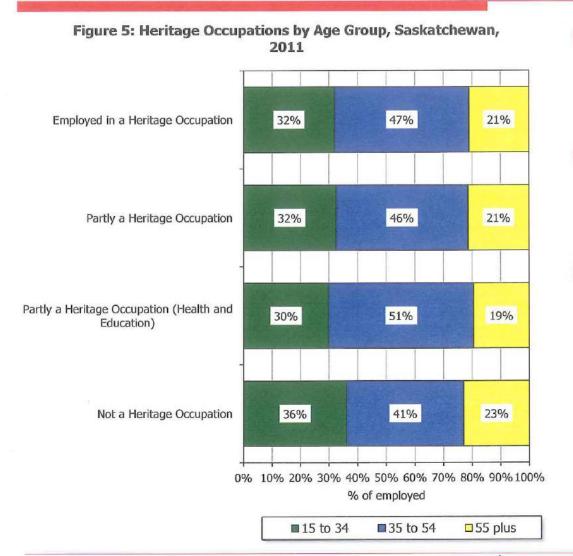
- In 2011, 15% of those who were working were selfemployed.
- Those working in heritage 12 occupations were less likely to be self-employed, that is, more likely to be in a paid position. This is particularly true for those working in the health and education sectors.
- Part of the reason for this will be the large number of selfemployed farmers in Saskatchewan. (Farmers were not considered as a heritage occupation.)

Employment by Sex





Employment by Age Group



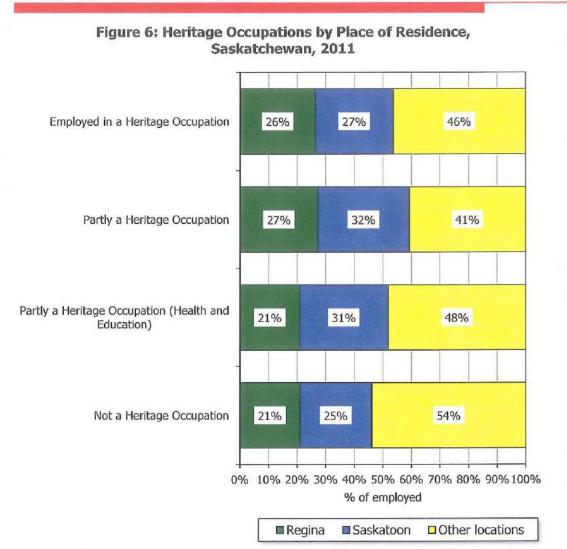
Sasktronds monitor

- The age distribution of those working in heritage occupations is similar to the distribution for others working in Saskatchewan.
- Among those employed in a heritage occupation, 32% were under 35 years of age compared with 36% of those who were not.
- At the other extreme, 21% were 55 years of age or older compared with 23% of those who were not working in a heritage occupation.

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Employment by Place of Residence



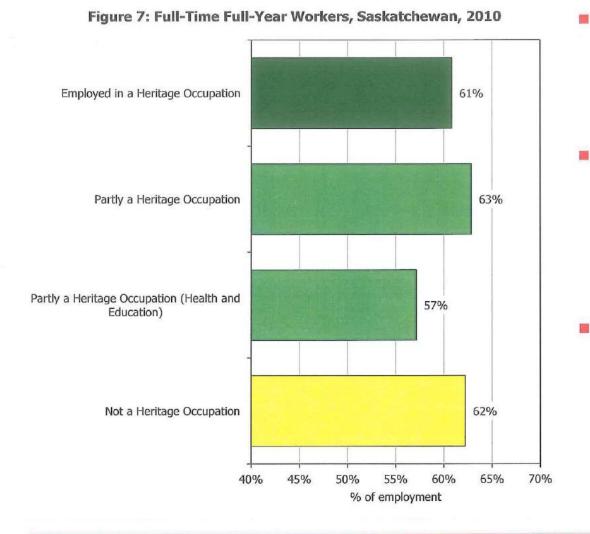
Sasktrends monitor

- Heritage occupations are somewhat more common in the two major urban centres than in other locations.
- In 2011, 54% of those employed in a heritage occupation lived in the Regina or Saskatoon metropolitan areas. This compares with 46% of those who worked in a non-heritage occupation.
- Those working in an occupation classified as "partly" a heritage occupation are also disproportionately living in Regina or Saskatoon.

Note that the place of work may be different from the place of residence. These figures include those who live in the bedroom communities that surround the two cities.

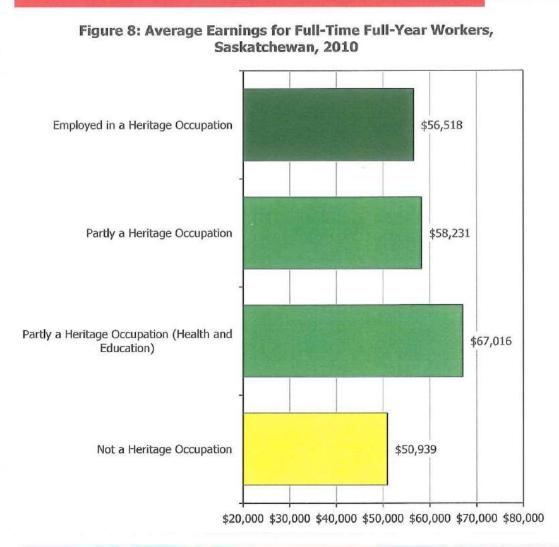
Labour Force Attachment for Heritage Occupations

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- The NHS measures annual earnings for occupations by asking respondents to report on their earnings in the year prior to the survey, that is, 2010.
- Only persons who worked throughout 2010 of a full-time basis are reported here so this is gross annual earnings before deductions for "fulltime, full-year" workers, that is, those with a strong connection to the labour force.
- The figure shows that heritage workers are as likely as other workers to be full-time, fullyear workers. The number of part-time workers in health care means that those in health and education are less likely to be working full-time.

Earnings for Heritage Occupations



The earnings figures are reported for full-time, full-year workers only and are assumed to be for the same occupation that was reported in the spring of 2011.

This figure shows that heritage workers have somewhat higher earnings than those in other occupations. This is particularly true for those in the health and education sector.



Summary

- In 2011 approximately 37,000 Saskatchewan residents worked in one of 64 occupations classified as a heritage occupation. This is 7% of the total employment in the province. Another 135,000 (25% of total employment) work in an occupation that was classified as "partly" a heritage occupation.
- Taken together about a third of those working in Saskatchewan work in an occupation where an understanding of heritage would be important.
- Employment in heritage occupations is slightly less common in Saskatchewan than in Canada as a whole.
- Compared with those in non-heritage occupations, those working in heritage occupations are:
 - less likely to be self-employed (13% are);
 - more likely to be women (62%);
 - somewhat more likely to be in the middle (35 to 54 years) age group;
 - somewhat more likely to live in Regina and Saskatoon (54%); and
 - have slightly higher earnings.





Appendix A List of Occupations Showing Heritage Designation and 2011 Employment in Saskatchewan

			- H	eritage C	ccupat		Em
					\geq	Partly (HLTH/ EDUC)	me
24 1000	NOOD	NO04	Yes	٩ N	Partly	DL	20
- C22	NOC3	NOC4 Description	×	Z	0_	L C U	8
0		Management occupations					0
00		Senior management occupations					
	001	Legislators and senior management	V				
		0011 Legislators	X		V		-
		0012 Senior government managers and officials		V	X		
		0013 Senior managers - financial, communications and other business services		Х			
		0014 Senior managers - health, education, social and community services and membership organizations	Х				
		0015 Senior managers - trade, broadcasting and other services, n.e.c.			Х		
		0016 Senior managers - construction, transportation, production and utilities		Х			
01-05		Specialized middle management occupations					1
	011	Administrative services managers					
		0111 Financial managers		Х			
		0112 Human resources managers			X		
		0113 Purchasing managers		Х			
		0114 Other administrative services managers			Х		
	012	Managers in financial and business services					
		0121 Insurance, real estate and financial brokerage managers		Х			
		0122 Banking, credit and other investment managers		Х			
		0124 Advertising, marketing and public relations managers			Х		
		0125 Other business services managers			Х		
	013	Managers in communication (except broadcasting)					
		0131 Telecommunication carriers managers		Х			
		0132 Postal and courier services managers		Х			
	021	Managers in engineering, architecture, science and information systems					
		0211 Engineering managers		Х			
		0212 Architecture and science managers			Х		
		0213 Computer and information systems managers		Х			
	031	Managers in health care					
		0311 Managers in health care				Х	
	041	Managers in public administration			_		
		0411 Government managers - health and social policy development and program administration	Х				
		0412 Government managers - economic analysis, policy development and program administration			X	_	
			V				-
		0413 Government managers - education policy development and program administration	X		Y		
	040	0414 Other managers in public administration			Х		
	042	Managers in education and social and community services				Х	-
		0421 Administrators - post-secondary education and vocational training				X	
		0422 School principals and administrators of elementary and secondary education	V			Λ	-
		0423 Managers in social, community and correctional services	X				

NOC1 NOC2 NO	DC3 NO			əritage C		7 m	Employ-
	C3 NO		ŝ		Partly	Partly (HLTH/ EDUC)	ment in
1	100 110		Yes	°N N	d	E E	2011
	043	Managers in public protection services					520
		31 Commissioned police officers	Х	1	_		55
		32 Fire chiefs and senior firefighting officers			Х		85
	04	33 Commissioned officers of the Canadian Forces		Х			375
(051	Managers in art, culture, recreation and sport					910
		11 Library, archive, museum and art gallery managers	Х				95
		12 Managers - publishing, motion pictures, broadcasting and performing arts	Х				250
	05	13 Recreation, sports and fitness program and service directors	Х				560
06		Middle management occupations in retail and wholesale trade and customer services					17,595
(060	Corporate sales managers					1,625
	06	01 Corporate sales managers		Х			1,620
(062	Retail and wholesale trade managers					10,725
	06	21 Retail and wholesale trade managers		Х			10,730
(063	Managers in food service and accommodation					4,300
	06	31 Restaurant and food service managers		Х			3,685
	06	32 Accommodation service managers			Х		615
(065	Managers in customer and personal services, n.e.c.					940
	06	51 Managers in customer and personal services, n.e.c.			Х		945
07-09		Middle management occupations in trades, transportation, production and utilities					42,130
(071	Managers in construction and facility operation and maintenance					4,970
		11 Construction managers			Х		2,085
	07	12 Home building and renovation managers			Х		1,170
		14 Facility operation and maintenance managers			Х		1,710
(073	Managers in transportation					605
	07	31 Managers in transportation		X	· · · · · · · · · · · · · · · · · · ·		605
C	081	Managers in natural resources production and fishing					805
	08	11 Managers in natural resources production and fishing		Х			805
(082	Managers in agriculture, horticulture and aquaculture					33,910
	08	21 Managers in agriculture		Х			33,710
	08	22 Managers in horticulture		Х			200
	08	23 Managers in aquaculture		Х	1		0
(091	Managers in manufacturing and utilities					1,840
	09	11 Manufacturing managers		Х			1,515
		12 Utilities managers		Х			320
1		Business, finance and administration occupations					78,265
11		Professional occupations in business and finance					11,535
1	111	Auditors, accountants and investment professionals					7,760
		11 Financial auditors and accountants		Х			4,895
	11	12 Financial and investment analysts		X			580
		13 Securities agents, investment dealers and brokers		Х			195
		14 Other financial officers		Х			2,085

NOC1 NOC2 NOC3 NOC4 Description

121

12

13

14

- 112 Human resources and business service professionals
 - 1121 Human resources professionals
 - 1122 Professional occupations in business management consulting
 - 1123 Professional occupations in advertising, marketing and public relations
 - Administrative and financial supervisors and administrative occupations
 - Administrative services supervisors
 - 1211 Supervisors, general office and administrative support workers
 - 1212 Supervisors, finance and insurance office workers
 - 1213 Supervisors, library, correspondence and related information workers
 - 1214 Supervisors, mail and message distribution occupations
 - 1215 Supervisors, supply chain, tracking and scheduling co-ordination occupations
- 122 Administrative and regulatory occupations
 - 1221 Administrative officers
 - 1222 Executive assistants
 - 1223 Human resources and recruitment officers
 - 1224 Property administrators
 - 1225 Purchasing agents and officers
 - 1226 Conference and event planners
 - 1227 Court officers and justices of the peace
 - 1228 Employment insurance, immigration, border services and revenue officers
- 124 Office administrative assistants general, legal and medical
 - 1241 Administrative assistants
 - 1242 Legal administrative assistants
 - 1243 Medical administrative assistants
- 125 Court reporters, transcriptionists, records management technicians and statistical officers
 - 1251 Court reporters, medical transcriptionists and related occupations
 - 1252 Health information management occupations
 - 1253 Records management technicians
 - 1254 Statistical officers and related research support occupations
 - Finance, insurance and related business administrative occupations
- 131 Finance, insurance and related business administrative occupations
 - 1311 Accounting technicians and bookkeepers
 - 1312 Insurance adjusters and claims examiners
 - 1313 Insurance underwriters
 - 1314 Assessors, valuators and appraisers
 - 1315 Customs, ship and other brokers
 - Office support occupations
- 141 General office workers
 - 1411 General office support workers
 - 1414 Receptionists
 - 1415 Personnel clerks
 - 1416 Court clerks

He	eritage O			Employ-
		Partly	Partly (HLTH/ EDUC)	ment in
Yes	No.	art	D H at	
7	Z	0	цстп	2011
				3,780
		X X		1,420
		Х		1,085
		Х		1,275
				26,685
				2,415
	X			340
	X X			325
Х				215
	X	Î		545
	X X			985
				12,840
		Х		7,490
		X X		1,135
X				390
		Х		1,440
	X			1,370
Х	~			305
	X			150
	~	Х		565
		~		10,650
		Х		9,420
	V	Λ		1,045
	X X			1,045
	~			
				790
	X			430
	X			170
	X X			130
		Х		55
				6,895
				6,900
	X			4,835
	X			1,220
	X X			485
	X			330
	X			30
	~			22,580
				12,545
	V			6,995
	X	V		5,120
	V	Х		
	X X			350 75

			He	eritage C	Occupati		
			Ś		Partly	Partly (HLTH/ EDUC)	Employ- ment in
NOC1 NOC	2 NOC3	NOC4 Description	Yes	No	Ра	E (Ha	2011
Alter and a state of the second s	142			_			1,345
		1422 Data entry clerks		Х			1,295
		1423 Desktop publishing operators and related occupations		Х			50
	143						5,940
		1431 Accounting and related clerks		Х			3,860
		1432 Payroll clerks		Х			960
		1434 Banking, insurance and other financial clerks		Х			875
		1435 Collectors		Х			255
	145	Library, correspondence and other clerks					2,750
		1451 Library assistants and clerks	X				650
		1452 Correspondence, publication and regulatory clerks			Х		655
		1454 Survey interviewers and statistical clerks		Х			1,445
1	5	Distribution, tracking and scheduling co-ordination occupations					10,565
	151	Mail and message distribution occupations					2,845
		1511 Mail, postal and related workers		Х			1,065
		1512 Letter carriers		Х			700
		1513 Couriers, messengers and door-to-door distributors		Х			1,080
	152	Supply chain logistics, tracking and scheduling co-ordination occupations					7,720
		1521 Shippers and receivers		Х			3,135
		1522 Storekeepers and partspersons		Х			2,255
		1523 Production logistics co-ordinators		Х			465
		1524 Purchasing and inventory control workers		Х			610
		1525 Dispatchers		Х			1,140
		1526 Transportation route and crew schedulers		Х			120
2		Natural and applied sciences and related occupations					25,350
2	1	Professional occupations in natural and applied sciences					12,330
	211	Physical science professionals					740
		2111 Physicists and astronomers			Х		25
		2112 Chemists		Х			205
		2113 Geoscientists and oceanographers	Х				460
		2114 Meteorologists and climatologists		Х			25
		2115 Other professional occupations in physical sciences			Х		25
	212						1,650
		2121 Biologists and related scientists			Х		830
		2122 Forestry professionals	X				40
		2123 Agricultural representatives, consultants and specialists			Х		775
	213						3,070
		2131 Civil engineers			Х		1,220
		2132 Mechanical engineers		Х			800
		2133 Electrical and electronics engineers		Х			880
		2134 Chemical engineers		Х			175

		H	eritage (Occupati	ion?
NOC1 NOC2 NOC3 NOC4 Description		Yes	No	Partly	Partly
214 Other engineers				Laba .	halar ~
	anufacturing engineers		X		
2142 Metallurgical and			X		
2142 Metallugical an 2143 Mining engineer			X		
2143 Mining engineer 2144 Geological engin			X		
2144 Geological engin 2145 Petroleum engin			X		
			X		
2146 Aerospace engin			X		
	eers (except software engineers and designers)	-	X		
2148 Other profession			~		
	n planners and land surveyors	V			
2151 Architects	4 - A	X			
2152 Landscape arch		X			
2153 Urban and land	use planners	~	Х		1
2154 Land surveyors	4.11.11.11.11.11.11.11.11.11.11.11.11.11				
	statisticians and actuaries			V	-
	statisticians and actuaries			X	
	formation systems professionals		X		
	ems analysts and consultants		X		
	sts and data administrators		Х		
2173 Software engine			Х		-
	ammers and interactive media developers			X	
2175 Web designers a				Х	
	ations related to natural and applied sciences				
	ations in physical sciences				
	ologists and technicians		Х	-	
	nineral technologists and technicians	Х			
	ations in life sciences				
	ologists and technicians		_	Х	
	fish products inspectors		Х		
2223 Forestry technol		X			
2224 Conservation an		Х			
	horticulture technicians and specialists	X			
	ations in civil, mechanical and industrial engineering				
	technologists and technicians			Х	
	neering technologists and technicians		Х		
2233 Industrial engine	ering and manufacturing technologists and technicians		Х		_
2234 Construction est				Х	1
	ations in electronics and electrical engineering				
	ectronics engineering technologists and technicians		Х		
2242 Electronic service	e technicians (household and business equipment)		Х		
2243 Industrial instrum	nent technicians and mechanics		Х	-	
2244 Aircraft instrume	nt, electrical and avionics mechanics, technicians and inspectors		Х		

Partly (HLTH/ EDUC)

Employment in

1,445 555 320

2,700 1,055

1,085

				He	ritage O	ccupati	on?	
NOC1 N	10C2 NO	C3 NOC4	Description	Yes	No	Partly	Partly (HLTH/ EDUC)	Employ- ment in 2011
		25	Technical occupations in architecture, drafting, surveying, geomatics and meteorology					1,500
		2251	Architectural technologists and technicians	Х				180
		2252	Industrial designers			Х		35
			Drafting technologists and technicians		X			985
			Land survey technologists and technicians		X			115
			Technical occupations in geomatics and meteorology		X			175
	2	26	Other technical inspectors and regulatory officers					2,120
		2261	Non-destructive testers and inspection technicians		X			320
			Engineering inspectors and regulatory officers		X			110
			Inspectors in public and environmental health and occupational health and safety		X			1,305
			Construction inspectors		X			380
	2	27	Transportation officers and controllers					575
		2271	Air pilots, flight engineers and flying instructors		X			395
			Air traffic controllers and related occupations		X			90
			Deck officers, water transport		X			80
			Engineer officers, water transport		X			0
			Railway traffic controllers and marine traffic regulators		X			0
	2	28	Technical occupations in computer and information systems					2,295
			Computer network technicians		X			1,300
			User support technicians		Х			900
			Information systems testing technicians		X			95
3			Health occupations					37,505
	30		Professional occupations in nursing					11,510
	3	01	Professional occupations in nursing					11,510
		3011	Nursing co-ordinators and supervisors				Х	240
			Registered nurses and registered psychiatric nurses				Х	11,270
	31		Professional occupations in health (except nursing)					6,455
	3	11	Physicians, dentists and veterinarians					2,770
		3111	Specialist physicians				Х	900
			General practitioners and family physicians				Х	1,170
			Dentists				Х	355
		3114	Veterinarians				Х	350
	3	12	Optometrists, chiropractors and other health diagnosing and treating professionals					555
		3121	Optometrists				Х	150
		3122	Chiropractors				Х	175
			Allied primary health practitioners				Х	165
		3125	Other professional occupations in health diagnosing and treating				Х	65
	3	13	Pharmacists, dietitians and nutritionists					1,530
		3131	Pharmacists				Х	1,265
		3132	Dietitians and nutritionists				Х	270

				He	eritage (Occupat	ion?
NOC1 NO	0C2 NC	C3 NOC	4 Description	Yes	No	Partly	Partly (HLTH/ EDUC)
<u>11001</u> <u>110</u>		314	Therapy and assessment professionals			<u>LL</u>	
	3	Sector Se	1 Audiologists and speech-language pathologists				X
			2 Physiotherapists	-			X
							X
			3 Occupational therapists				X
	20	314	4 Other professional occupations in therapy and assessment				~
	32	004	Technical occupations in health				
		321	Medical technologists and technicians (except dental health)				v
			1 Medical laboratory technologists				X
			2 Medical laboratory technicians and pathologists' assistants		V		X
			3 Animal health technologists and veterinary technicians		X	_	Y
			4 Respiratory therapists, clinical perfusionists and cardiopulmonary technologists				X
			5 Medical radiation technologists				X
			6 Medical sonographers				X
			7 Cardiology technologists and electrophysiological diagnostic technologists, n.e.c.				X
			9 Other medical technologists and technicians (except dental health)				Х
	:	322	Technical occupations in dental health care				
		0.00000000	1 Denturists				Х
			2 Dental hygienists and dental therapists				X
		322	3 Dental technologists, technicians and laboratory assistants				Х
		323	Other technical occupations in health care				
			1 Opticians				Х
			2 Practitioners of natural healing				X
		323	3 Licensed practical nurses				X
		323	4 Paramedical occupations				X
		3230	5 Massage therapists				Х
		323	7 Other technical occupations in therapy and assessment				X
	34		Assisting occupations in support of health services				
	:	341	Assisting occupations in support of health services				
		341	1 Dental assistants				Х
		341:	3 Nurse aides, orderlies and patient service associates				X
		341	4 Other assisting occupations in support of health services				Х
4			Occupations in education, law and social, community and government services				
	40		Professional occupations in education services				
	4	401	University professors and post-secondary assistants				
		401	1 University professors and lecturers				Х
			2 Post-secondary teaching and research assistants				Х
	4	402	College and other vocational instructors				
			1 College and other vocational instructors				Х
	4	403	Secondary and elementary school teachers and educational counsellors				
			1 Secondary school teachers				Х
			2 Elementary school and kindergarten teachers				X
			B Educational counsellors	-			X
		-1000					

Employment in 2011

1,590 225 765 295 310 9,460 3,765 605 640 375 170 565 120 75 1,210 1,010 120 675 220 4,680 385 165 1,900 1,050 925 250 10,080 10,080 790 8,420 875 59,855 21,575 3,925 2,095 1,835 2,425 2,425 15,220 5,265 9,305 655

NOC1 NOC2 NOC3 NOC4 Description

41

42

43

44

421

431

- Professional occupations in law and social, community and government services
- 411 Judges, lawyers and Quebec notaries
 - 4111 Judges
 - 4112 Lawyers and Quebec notaries
- 415 Social and community service professionals
 - 4151 Psychologists
 - 4152 Social workers
 - 4153 Family, marriage and other related counsellors
 - 4154 Professional occupations in religion
 - 4155 Probation and parole officers and related occupations
 - 4156 Employment counsellors
- 416 Policy and program researchers, consultants and officers
 - 4161 Natural and applied science policy researchers, consultants and program officers
 - 4162 Economists and economic policy researchers and analysts
 - 4163 Business development officers and marketing researchers and consultants
 - 4164 Social policy researchers, consultants and program officers
 - 4165 Health policy researchers, consultants and program officers
 - 4166 Education policy researchers, consultants and program officers
 - 4167 Recreation, sports and fitness policy researchers, consultants and program officers
 - 4168 Program officers unique to government
 - 4169 Other professional occupations in social science, n.e.c.
 - Paraprofessional occupations in legal, social, community and education services
 - Paraprofessional occupations in legal, social, community and education services
 - 4211 Paralegal and related occupations
 - 4212 Social and community service workers
 - 4214 Early childhood educators and assistants
 - 4215 Instructors of persons with disabilities
 - 4216 Other instructors
 - 4217 Other religious occupations
 - Occupations in front-line public protection services
 - Occupations in front-line public protection services
 - 4311 Police officers (except commissioned)
 - 4312 Firefighters
 - 4313 Non-commissioned ranks of the Canadian Forces
 - Care providers and educational, legal and public protection support occupations
- 441 Home care providers and educational support occupations
 - 4411 Home child care providers
 - 4412 Home support workers, housekeepers and related occupations
 - 4413 Elementary and secondary school teacher assistants
- 442 Legal and public protection support occupations
 - 4421 Sheriffs and bailiffs
 - 4422 Correctional service officers
 - 4423 By-law enforcement and other regulatory officers, n.e.c.

Hei	ritage O	ccupati	on?	Employ-
		\geq	Partly (HLTH/ EDUC)	ment in
Yes	No	Partly	DH	
×	Z	0_	пс	2011
				11,915
				1,560
		X		125
		X		1,435
				5,350
X				370
				1,575
X X				1,020
X				1,540
X				350
~		V		490
		X		
				5,005
		Х		675
	X X			275
	Х			905
Х				595
X X				770
Х				745
X				415
		X		535
Х		~		90
~				10,710
				10,710
	V			
	X			310
Х				4,180
Х				5,170
		X		220
		X		655
Х				175
				4,550
		1		4,550
Х				2,990
		Х		1,090
	X			470
	A			11,100
				8,790
		Y		
		X		1,730
		Х		2,285
			Х	4,780
				2,310
	X			140
Х				1,985
	X			185

		He	eritage O	cupati	on?	
				1		Employ-
		S		Partly	E E D	ment in
NOC1 NOC2 NOC3	NOC4 Description	Yes	No	Ра	Partly (HLTH/ EDUC)	2011
5	Occupations in art, culture, recreation and sport					9,250
51	Professional occupations in art and culture					3,690
511	Librarians, archivists, conservators and curators					920
	5111 Librarians	Х				860
	5112 Conservators and curators	Х				20
	5113 Archivists	X				45
512	Writing, translating and related communications professionals					945
	5121 Authors and writers	Х				335
	5122 Editors	Х				225
	5123 Journalists	X				335
	5125 Translators, terminologists and interpreters	Х				45
513						1,825
	5131 Producers, directors, choreographers and related occupations	Х				520
	5132 Conductors, composers and arrangers	X				65
	5133 Musicians and singers	X				795
	5134 Dancers	Х				170
	5135 Actors and comedians	Х				65
	5136 Painters, sculptors and other visual artists	X				215
52	Technical occupations in art, culture, recreation and sport					5,555
521	Technical occupations in libraries, public archives, museums and art galleries					755
01.	5211 Library and public archive technicians	X				635
	5212 Technical occupations related to museums and art galleries	X				125
	Photographers, graphic arts technicians and technical and co-ordinating occupations in					040
522	motion pictu					810
	5221 Photographers	Х				330
	5222 Film and video camera operators		Х			30
	5223 Graphic arts technicians	1	Х			40
	5224 Broadcast technicians		Х			75
	5225 Audio and video recording technicians		X			220
	Other technical and co-ordinating occupations in motion pictures, broadcasting and the		V			40
	5226 performing a		х			40
	Support accurations in motion pictures, broadcasting, photography and the performing		x			60
	5227 arts		~			
523	Announcers and other performers, n.e.c.					340
	5231 Announcers and other broadcasters		X			265
	5232 Other performers, n.e.c.			X		65
524			-			1,570
UL I	5241 Graphic designers and illustrators	X				805
	5242 Interior designers and interior decorators	X				260
	5243 Theatre, fashion, exhibit and other creative designers	X				110
	5244 Artisans and craftspersons	Х				395
	5245 Patternmakers - textile, leather and fur products	X				0
	CARACTERISTICS CONTRACTOR CONTRACTOR CONTRACTOR FOR CONTRACTOR	-				

NOC1 N	1002	NOC3	NOCA	Description
NOUT N	1002	525	11004	Athletes, coaches, referees and related occupations
		020	5251	Athletes
				Coaches
				Sports officials and referees
				Program leaders and instructors in recreation, sport and fitness
6			0204	Sales and service occupations
0	62			Retail sales supervisors and specialized sales occupations
	02	621		Retail sales supervisors
		021	6211	Retail sales supervisors
		622	0211	Technical sales specialists in wholesale trade and retail and wholesale buyers
		022	6221	Technical sales specialists in wholesale trade
				Retail and wholesale buyers
		623		Insurance, real estate and financial sales occupations
		025		Insurance agents and brokers
				Real estate agents and salespersons
				Financial sales representatives
	63		0200	Service supervisors and specialized service occupations
	05	631		Service supervisors
		001	6311	Food service supervisors
				Executive housekeepers
				Accommodation, travel, tourism and related services supervisors
				Customer and information services supervisors
				Cleaning supervisors
				Other services supervisors
		632	0010	Chefs and cooks
		002	6321	Chefs
				Cooks
		633	0022	Butchers and bakers
		000	6331	Butchers, meat cutters and fishmongers - retail and wholesale
				Bakers
		634	0002	Specialized occupations in personal and customer services
			6341	Hairstylists and barbers
				Tailors, dressmakers, furriers and milliners
				Shoe repairers and shoemakers
				Jewellers, jewellery and watch repairers and related occupations
				Upholsterers
				Funeral directors and embalmers
	64		000000	Sales representatives and salespersons - wholesale and retail trade
		C / 4		Sales and appoint representatives, wholesale trade (pop technical)

Partly (HLTH/ EDUC) Partly Yes ^oN 2011 2,095 Х 10 Х 270 85 Х 1,730 Х 111,450 8,610 2,005 2,005 Х 2,035 1,565 Х 470 Х 4,570 1,875 Х Х 975 1,715 Х 16,350 2,655 1,180 Х 150 Х 315 X 355 Х 310 Х 345 Х 8,190 855 Х 7,330 Х 1,655 610 Х 1,045 Х 3,845 3,270 Х 190 Х 0 Х 120 Х 100 Х 150 Х 22,020 3,435 3,435 Х 18,585 18,585 Х

Heritage Occupation?

Employ-

ment in

- 641 Sales and account representatives - wholesale trade (non-technical) 6411 Sales and account representatives - wholesale trade (non-technical)
- Retail salespersons 642
 - 6421 Retail salespersons

			Н	eritage (Occupat	ion?	
NOC1 NOC2	NOC3	NOC4 Description	Yes	No	Partly	Partly (HLTH/ EDUC)	Employ- ment in 2011
65	1000	Service representatives and other customer and personal services occupations					20,585
05	GE1	Occupations in food and beverage service					7,590
	651			V			675
		6511 Maîtres d'hôtel and hosts/hostesses		X	-		995
		6512 Bartenders		X			
	1/2/2/2/2/	6513 Food and beverage servers		Х			5,920
	652	Occupations in travel and accommodation					1,660
		6521 Travel counsellors			Х		360
		6522 Pursers and flight attendants		Х			55
		6523 Airline ticket and service agents		Х			270
		6524 Ground and water transport ticket agents, cargo service representatives and related clerks		Х			45
		6525 Hotel front desk clerks		X			930
	653	Tourism and amusement services occupations					685
		6531 Tour and travel guides	Х				65
		6532 Outdoor sport and recreational guides		1	X		105
		6533 Casino occupations		Х			510
	654	Security guards and related security service occupations					2,530
	001	6541 Security guards and related security service occupations		Х			2,530
	655	Customer and information services representatives					6,460
	000	6551 Customer services representatives - financial institutions		Х			2,615
		6552 Other customer and information services representatives		X			3,84
	656	Other occupations in personal service		A			1,66
	000			v			190
		6561 Image, social and other personal consultants		X			990
		6562 Estheticians, electrologists and related occupations					
		6563 Pet groomers and animal care workers		X			460
12127		6564 Other personal service occupations		Х			2!
66		Sales support occupations					15,71
	661	Cashiers					8,46
		6611 Cashiers		Х			8,46
	662	Other sales support and related occupations			_		7,25
		6621 Service station attendants		Х			1,78
		6622 Store shelf stockers, clerks and order fillers		Х			4,71
		6623 Other sales related occupations		Х	_		75
67		Service support and other service occupations, n.e.c.					28,160
	671	Food counter attendants, kitchen helpers and related support occupations					8,82
		6711 Food counter attendants, kitchen helpers and related support occupations		Х			8,82
	672	Support occupations in accommodation, travel and amusement services					870
	1000	6721 Support occupations in accommodation, travel and facilities set-up services		Х			5
		6722 Operators and attendants in amusement, recreation and sport		Х			81
	673	Cleaners					16,83
	0.0	6731 Light duty cleaners		Х			6,66
		6732 Specialized cleaners		Х			1,770

			Н	eritage (Occupat		
	C2 NOC3	NOC4 Description	Yes	No	Parily	Partly (HLTH/ EDUC)	Employ- ment in 2011
	674	Other service support and related occupations, n.e.c.					1,635
	074	6741 Dry cleaning, laundry and related occupations		Х			915
		6742 Other service support occupations, n.e.c.		X			715
7		Trades, transport and equipment operators and related occupations		~			89,11
	72	Industrial, electrical and construction trades					32,185
	12	Contractors and supervisors, industrial, electrical and construction trades and related					
	720	workers					2,78
		Contractors and supervisors, machining, metal forming, shaping and erecting trades and					
		7201 related occu		Х			72
				X			47
		7202 Contractors and supervisors, electrical trades and telecommunications occupations		x			29
		7203 Contractors and supervisors, pipefitting trades		X			51
		7204 Contractors and supervisors, carpentry trades		~			
		7205 Contractors and supervisors, other construction trades, installers, repairers and servicers		Х			76
	723	Machining, metal forming, shaping and erecting trades					7,29
		7231 Machinists and machining and tooling inspectors		Х			91
		7232 Tool and die makers		Х			3
		7233 Sheet metal workers		Х			74
		7234 Boilermakers		Х			8
		7235 Structural metal and platework fabricators and fitters		Х			13
		7236 Ironworkers		Х	-		71
		7237 Welders and related machine operators		Х			4,67
	724	에는 것 같아요. 그는 것 같아요. 것 같아요. 것 같아요. 같이 있는 것이 있는 것이 있는 것이 있는 것이 같아요. 같이 있는 것이 같아요. 이 가지 않는 것이 같아요. 이 가지 않는 것이 있는 것이 있는 것이 있는 것이 같아요. 이 가지 않는 것이 있다. 이 가지 않는 것이 같아요. 이 가지 않는 것이 않는 것이 않는 것이 않는 것이 같아요. 이 가지 않는 것이 않 이 것이 않는 않는 것이 않는 것이 않는 것이 않는 않는 것이 않는 것 것이 않는 것이 않					6,43
	164	7241 Electricians (except industrial and power system)		X			3,25
		7242 Industrial electricians		X			1,26
		7243 Power system electricians		X	-		9
		7244 Electrical power line and cable workers	-	X	-		64
		7245 Telecommunications line and cable workers	-	X	-		37
		7246 Telecommunications installation and repair workers		X			79
		7247 Cable television service and maintenance technicians		X			3
	725					1	3,43
	120	7251 Plumbers		X			2,41
		7252 Steamfitters, pipefitters and sprinkler system installers		X			90
		7253 Gas fitters		X			12
	727	Carpenters and cabinetmakers	-		-		6,83
	121	7271 Carpenters	-	X			6,33
		7272 Cabinetmakers		-	Х	-	50
	728	Masonry and plastering trades				-	2,05
	120	7281 Bricklayers			Х		50
		7282 Concrete finishers		X			33
							11
				the second se			1,10
		7283 Tilesetters 7284 Plasterers, drywall installers and finishers and lathers		X			-

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		He	eritage Oc	cupati	on?	
NOC1 NOC2 NOC3	NOC4 Description	Yes	No	Partly	Partly (HLTH/ EDUC)	Employ- ment in 2011
729	Other construction trades			<u> </u>		3,370
120	7291 Roofers and shinglers		X			620
	7292 Glaziers		X			460
	7293 Insulators		X			200
	7294 Painters and decorators (except interior decorators)		X			1,400
	7295 Floor covering installers		X			700
73	Maintenance and equipment operation trades					17,950
	Contractors and supervisors, maintenance trades and heavy equipment and transport					
730	operators					2,905
	7301 Contractors and supervisors, mechanic trades		X			735
	7302 Contractors and supervisors, heavy equipment operator crews		X			1,750
	7303 Supervisors, printing and related occupations		X			35
	7304 Supervisors, railway transport operations		X			145
	7305 Supervisors, motor transport and other ground transit operators		Х			245
731	Machinery and transportation equipment mechanics (except motor vehicle)					6,480
	7311 Construction millwrights and industrial mechanics		X			2,405
	7312 Heavy-duty equipment mechanics		X			2,915
	7313 Refrigeration and air conditioning mechanics		X			535
	7314 Railway carmen/women		X			65
	7315 Aircraft mechanics and aircraft inspectors		X			305
	7316 Machine fitters		X			180
	7318 Elevator constructors and mechanics		X			80
732	Automotive service technicians					5,735
	7321 Automotive service technicians, truck and bus mechanics and mechanical repairers		X			4,500
	7322 Motor vehicle body repairers		X			1,235
733	Other mechanics and related repairers					600
	7331 Oil and solid fuel heating mechanics		X			40
	7332 Appliance servicers and repairers		X			160
	7333 Electrical mechanics		X			80
	7334 Motorcycle, all-terrain vehicle and other related mechanics		X			125
	7335 Other small engine and small equipment repairers		X			200
736	Train crew operating occupations					1,050
	7361 Railway and yard locomotive engineers		X			490
	7362 Railway conductors and brakemen/women		X			565
737	Crane operators, drillers and blasters					775
	7371 Crane operators		X			565
	7372 Drillers and blasters - surface mining, quarrying and construction		X			120
	7373 Water well drillers		X			90
738	Printing press operators and other trades and related occupations, n.e.c.		V			405
	7381 Printing press operators		X			210
	7384 Other trades and related occupations, n.e.c.		X			200

			H	eritage O	ccupat		9740 1016
C1 NOC2	NOC3	NOC4 Description	Yes	No	Partly	Partly (HLTH/ EDUC)	Employ ment in 2011
74		Other installers, repairers and servicers and material handlers					6,39
	744	Other installers, repairers and servicers					2,03
		7441 Residential and commercial installers and servicers		X			1,07
		7442 Waterworks and gas maintenance workers		X			39
		7444 Pest controllers and fumigators		X			9
		7445 Other repairers and servicers		X			4
	745	Longshore workers and material handlers					4,3
	110	7451 Longshore workers		X			
		7452 Material handlers	1	X			4,30
75		Transport and heavy equipment operation and related maintenance occupations					25,14
10	751	Motor vehicle and transit drivers					18,34
	101	7511 Transport truck drivers	-	X			11,8
		7512 Bus drivers, subway operators and other transit operators		X			3,03
		7513 Taxi and limousine drivers and chauffeurs		X			1,1
		7514 Delivery and courier service drivers	-	X			2,3
	752	Heavy equipment operators					5,5
	152	7521 Heavy equipment operators (except crane)		Х			4,9
		7522 Public works maintenance equipment operators and related workers		X			5
	753			~			1,2
	153	Other transport equipment operators and related maintenance workers		X			3
		7531 Railway yard and track maintenance workers		X			
		7532 Water transport deck and engine room crew		X		-	
		7533 Boat and cable ferry operators and related occupations		X			1
		7534 Air transport ramp attendants		X			7
70		7535 Other automotive mechanical installers and servicers		~			7,4
76		Trades helpers, construction labourers and related occupations					
	761	Trades helpers and labourers		X			6,1 5,4
		7611 Construction trades helpers and labourers		X			
		7612 Other trades helpers and labourers		Х			6
	762	Public works and other labourers, n.e.c.					1,3
		7621 Public works and maintenance labourers		X	_		1,1
		7622 Railway and motor transport labourers		X			1
8		Natural resources, agriculture and related production occupations					23,5
82		Supervisors and technical occupations in natural resources, agriculture and related production					6,5
	821	Supervisors, logging and forestry					
		8211 Supervisors, logging and forestry		Х			
	822	Contractors and supervisors, mining, oil and gas					2,0
	VLL	8221 Supervisors, mining and quarrying		Х			7
		8222 Contractors and supervisors, oil and gas drilling and services		X			1,3
	823	Underground miners, oil and gas drillers and related occupations					2,8
	020	8231 Underground production and development miners		Х			1,5
		8232. Oil and gas well drillers, servicers, testers and related workers		X			1,3

NOC1 NOC2 NOC3 NOC4 Description Employing 824 Logging machinery operators 105 8241 Logging machinery operators 105 825 Contractors and supervisors, fam supervisors and specialized livestock workers 1.385 8255 Contractors and supervisors, fam supervisors and specialized livestock workers 1.385 8265 Fishing vessel masters and fishermen/women 1.385 8261 Fishing vessel masters and fishermen/women 1.1365 8262 Fishing vessel masters, agriculture and related production 1.1365 8261 More service workers and operators in oil and gas drilling 1.1430 8211 Ohard ground mine service and support workers X 1.0270 8212 Logging and forestry workers X 1.0270 8214 Chair sources, agriculture workers X 1.0270 8215 Contractors and super workers X 1.0281 8214 Chair sources, agriculture workers X 1.0281 8214 Chair sources and binder sources apport workers X 1.0281 8214 Chair sources and sources X 1.0281 8215				He	ritage O	ccupati	on?	-
824 Logging machinery operators X 105 825 Contractors and supervisors, agriculture, horticulture and related operations and services X 830 8252 Agricultural service contractors, fam supervisors and specialized livestock workers X 830 8265 Contractors and supervisors, landscaping, grounds maintenance and horticulture services X 830 8267 Fishing wessel masters and fishermen/women X 0 8268 Fishing masters and officers X 0 8269 Fishing workers and operators in oil and gas drilling X 0 841 Workers in natural resources, agriculture and related production X 0 841 Underservice and support workers X 110,285 842 Chain gas well drilling and related workers X 0 8421 Chain saw and skidder operators X 10,226 8432 Nursery and greenhouse workers X 0 8441 Fishing vessel deckhands X 0 8441 Fishing and nutral resources labourers X 0 8433 Agriculture and horticulture workers X 0 8441 Fishing and nutral resources labourers X 0 8441 Fishing and nutral	NOC1 NOC2	NOC3	NOC4 Description	Yes	No	Partly	Partly (HLTH/ EDUC)	ment in
8241 Logging machine's operators X 1055 8252 Agricultural service contractors, farm supervisors and specialized livestock workers X 8301 8255 Contractors and supervisors, landscaping, grounds maintenance and horticulture services X 6301 8265 Fishing vessel masters and fishermen/women X 640 8262 Fishing matchers and officers X 0 8262 Fishing matchers and officers X 0 8262 Fishing matchers and operators in oil and gas drilling X 0 841 Mine service workers and operators X 11.830 841 Understin in futural resources, agriculture and related production X 11.925 842 Clani gase wild illing and treated workers X 10.225 842 Stiviculture and forestry workers X 10.236 842 Stiviculture and forestry workers X 10.230 8431 General farm workers X 10.236 8442 Chain saw and trapping and hunting occupations X 10.230 8443 Chains way and greenhouse workers X 10.230 8444 Fishing matchers in fishing and trapping and hunting occupations X 10.230 8441 Fishi	HOUT HOUL							105
825 Contractors and supervisors, agriculture, horticulture and related operations and specialized itvestock workers 13.985 8252 Agricultural service contractors, fam supervisors and specialized itvestock workers X 830 8255 Contractors and supervisors, landscaping, grounds maintenance and horticulture services X 655 826 Fishing vessel masters and fishermer/women X 0 8265 Fishing vessel masters and fishermer/women X 0 8261 Fishing vessel masters and fishermer/women X 0 8262 Fishing vessel masters and fishermer/women X 0 8261 Fishing vessel masters and fishermer/women X 0 8261 Workers in natural resources, agriculture and related production X 0 8211 Und ang as well drilling and related workers X 11.030 8411 Und gas well drilling and related workers X 10.025 842 Chain or set workers X 10.230 8421 Chain workers X 10.230 8431 General farm workers X 0 8441 Fishing and relating poing and hunting occupations X 10.230 8441 Fishing and trapping and hunting cocupations X 10.230 <t< td=""><td></td><td>021</td><td></td><td></td><td>X</td><td></td><td></td><td>105</td></t<>		021			X			105
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861 Harvesting, landscaping and natural resources labourers 5,225 8611 Harvesting labourers X 165 8612 Landscaping and grounds maintenance labourers X 2,805 8613 Aquaculture and marine harvest labourers X 2,805 8614 Mine labourers X 495 8615 Oil and gas drilling, servicing and related labourers X 1680 8616 Logging and forestry labourers X 1680 9 Occupations in manufacturing and utilities X 1680 92 Processing, manufacturing and utilities supervisors and central control operators X 14,725 92 Supervisors, processing and manufacturing occupations X 14,725 92 Processing, manufacturing occupations X 14,725 92 Supervisors, processing and mental processing X 1400 9211 Supervisors, petroleum, gas and chemical processing and utilities X 1400 9212 Supervisors, potoleum, gas and chemical processing X 240 9213 Supervisors, food, beverage and associated products processing X 240 </td <td>86</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5,225</td>	86							5,225
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8613 Aquaculture and marine harvest labourersX08614 Mine labourers8615 Oil and gas drilling, servicing and related labourersX4958615 Oil and gas drilling, servicing and related labourersX1,6808616 Logging and forestry labourersX1,6809Occupations in manufacturing and utilitiesX14,72592Processing, manufacturing and utilities supervisors and central control operators5,200921Supervisors, processing and manufacturing occupations1,2009211Supervisors, petroleum, gas and chemical processing and utilitiesX1409212Supervisors, food, beverage and associated products processingX2409214Supervisors, plastic and rubber products manufacturingX2409215Supervisors, forest products processingX209215Supervisors, forest products processingX100								2,805
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8616 Logging and forestry labourers X 70 9 Occupations in manufacturing and utilities 14,725 92 Processing, manufacturing and utilities supervisors and central control operators 12 92 Supervisors, processing and manufacturing occupations 1,200 921 Supervisors, mineral and metal processing X 140 9212 Supervisors, petroleum, gas and chemical processing and utilities X 140 9213 Supervisors, food, beverage and associated products processing X 240 9214 Supervisors, plastic and rubber products manufacturing X 200 9215 Supervisors, forest products processing X 200								1,680
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9212 Supervisors, petroleum, gas and chemical processing and utilitiesX6859213 Supervisors, food, beverage and associated products processingX2409214 Supervisors, plastic and rubber products manufacturingX209215 Supervisors, forest products processingX100					X			140
9213 Supervisors, food, beverage and associated products processingX2409214 Supervisors, plastic and rubber products manufacturingX209215 Supervisors, forest products processingX100					X			685
9214 Supervisors, plastic and rubber products manufacturing X 20 9215 Supervisors, forest products processing X 100					X			
9215 Supervisors, forest products processing					X			
					X			100
9217 Supervisors, textile, rabitic, full and leather products processing and manufacturing			9217 Supervisors, textile, fabric, fur and leather products processing and manufacturing		Х			0

		Н	eritage C	ccupat		2255 BB
NOC1 NOC2 NOC:	NOC4 Description	Yes	No	Partly	Partly (HLTH/ EDUC)	Employ- ment in 2011
922						290
	9221 Supervisors, motor vehicle assembling		Х			25
	9222 Supervisors, electronics manufacturing		X			15
	9223 Supervisors, electrical products manufacturing		Х			0
	9224 Supervisors, furniture and fixtures manufacturing		Х			15
	9226 Supervisors, other mechanical and metal products manufacturing		Х			165
	9227 Supervisors, other products manufacturing and assembly		Х			65
923						1,780
	9231 Central control and process operators, mineral and metal processing		Х			195
	9232 Petroleum, gas and chemical process operators		Х			1,575
	9235 Pulping, papermaking and coating control operators		Х			0
924						1,935
	9241 Power engineers and power systems operators		Х			1,245
	9243 Water and waste treatment plant operators		Х			690
94	Processing and manufacturing machine operators and related production workers					3,990
941	Machine operators and related workers in mineral and metal products processing and					1,050
	9411 Machine operators, mineral and metal processing		Х			210
	9412 Foundry workers		Х			0
	9413 Glass forming and finishing machine operators and glass cutters		Х			30
	9414 Concrete, clay and stone forming operators		Х			40
	9415 Inspectors and testers, mineral and metal processing		Х			55
	9416 Metalworking and forging machine operators		Х			570
	9417 Machining tool operators		Х			80
	9418 Other metal products machine operators		Х			60
942						270
	9421 Chemical plant machine operators		Х			75
	9422 Plastics processing machine operators		Х			115
	9423 Rubber processing machine operators and related workers		Х			80
943	Machine operators and related workers in pulp and paper production and wood processing					250
	9431 Sawmill machine operators		Х	_		35
	9432 Pulp mill machine operators		X			0
	9433 Papermaking and finishing machine operators		X	-		0
	9434 Other wood processing machine operators		X			75
	9435 Paper converting machine operators		X	-		45
	9436 Lumber graders and other wood processing inspectors and graders		X			0
	9437 Woodworking machine operators		X			70
			A			

NOC1 NOC2 NOC3 NOC4 Description

- 944 Machine operators and related workers in textile, fabric, fur and leather products processing and m
 - 9441 Textile fibre and yarn, hide and pelt processing machine operators and workers
 - 9442 Weavers, knitters and other fabric making occupations
 - 9445 Fabric, fur and leather cutters
 - 9446 Industrial sewing machine operators
 - 9447 Inspectors and graders, textile, fabric, fur and leather products manufacturing Machine operators and related workers in food, beverage and associated products processing
- 946
 - 9461 Process control and machine operators, food, beverage and associated products processing
 - 9462 Industrial butchers and meat cutters, poultry preparers and related workers
 - 9463 Fish and seafood plant workers
 - 9465 Testers and graders, food, beverage and associated products processing
- 947 Printing equipment operators and related occupations
 - 9471 Plateless printing equipment operators
 - 9472 Camera, platemaking and other prepress occupations
 - 9473 Binding and finishing machine operators
 - 9474 Photographic and film processors Assemblers in manufacturing

95

952

953

- Mechanical, electrical and electronics assemblers
- 9521 Aircraft assemblers and aircraft assembly inspectors
- 9522 Motor vehicle assemblers, inspectors and testers
- 9523 Electronics assemblers, fabricators, inspectors and testers
- 9524 Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing
- 9525 Assemblers, fabricators and inspectors, industrial electrical motors and transformers
- 9526 Mechanical assemblers and inspectors
- 9527 Machine operators and inspectors, electrical apparatus manufacturing
- Other assembly and related occupations
- 9531 Boat assemblers and inspectors
- 9532 Furniture and fixture assemblers and inspectors
- 9533 Other wood products assemblers and inspectors
- 9534 Furniture finishers and refinishers
- 9535 Plastic products assemblers, finishers and inspectors
- 9536 Industrial painters, coaters and metal finishing process operators
- 9537 Other products assemblers, finishers and inspectors

H	eritage Oc			Employ-
Yes	No	Partly	Partly (HLTH/ EDUC)	ment in 2011
		Table		415
-	X			30
	Х			35
	X			40
	Х			270
	Х			40
				1,490
	X			1,045
	X	-		290
	X	-		30
	X			125
				515
	Х	1		195
	X			25
	X			115
	X			180
				2,300
				1,140
	X			(
	X			145
	X			330
	X			160
	X			40
	X			435
	X			40
				1,165
	X			(
	X			130
	X			280
	X			115
	X			65
	X			398
	X			180

	on?	cupatio	itage Oco	Heri
Employ- ment in 2011	Partly (HLTH/ EDUC)	Partly	No	Yes
3,235				
3,230				
225			X	
230			X	
175			X	
170			X	
90			X	
0			X	
1,320			X	
1,320 35			X	
990			X	

NOC1 NOC2 NOC3 NOC4 Description

96 961

- Labourers in processing, manufacturing and utilities
- Labourers in processing, manufacturing and utilities
- 9611 Labourers in mineral and metal processing
- 9612 Labourers in metal fabrication
- 9613 Labourers in chemical products processing and utilities
- 9614 Labourers in wood, pulp and paper processing
- 9615 Labourers in rubber and plastic products manufacturing
- 9616 Labourers in textile processing
- 9617 Labourers in food, beverage and associated products processing
- 9618 Labourers in fish and seafood processing
- 9619 Other labourers in processing, manufacturing and utilities



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