Worker and Community-Based Action Research





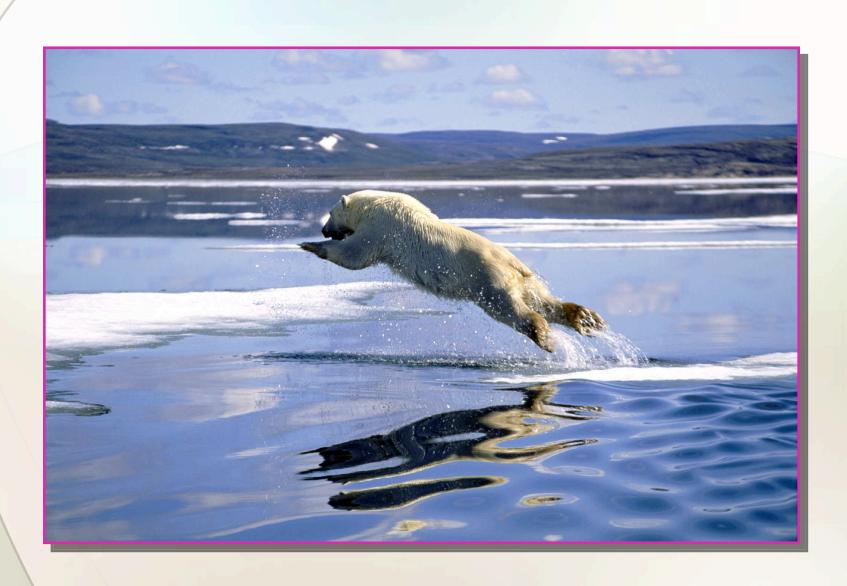
James Brophy & Margaret Keith



Who Calls the Shots!



Sustainability of the Planet





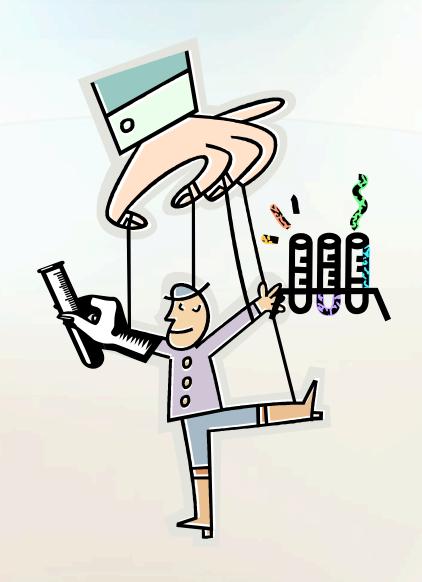
Why do workers need their own research?

Science Underestimates Workplace Disease and Injury

- Gaps and limitations
- Science is rigid
- Acceptable risk
- Social class bias

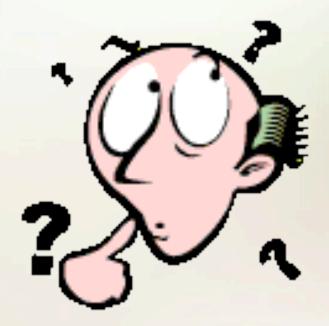


Who Controls Science?



"Manufacturing Uncertainty"

Mixed messages confuse us



What Science Tells Us...cont.

Pesticides do cause cancer



Pesticides
DON'T cause
cancer!

What Science Tells Us...cont.

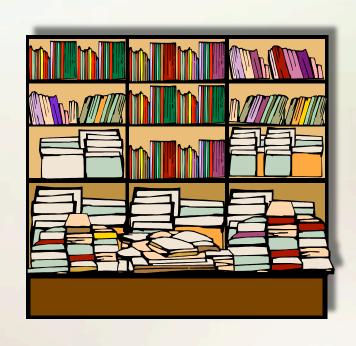
Canadian asbestos is SAFE to use



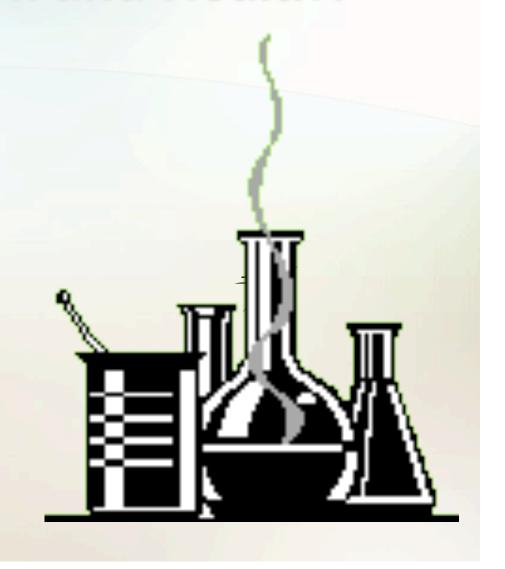
Canadian asbestos is NOT SAFE to use!

What Happens to Evidence Showing Work Causes Disease?





What Does Science Really Tell Us About Work and Health?



Conclusion?

Workers Need
Their Own Health
and Safety
Research!

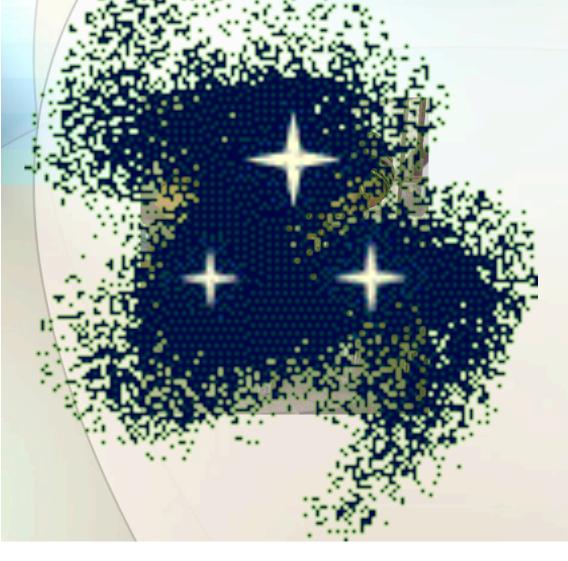


What's different about worker-based research?



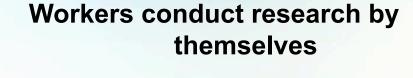
- Recognizes
 workers' health is
 political
- Gives workers a voice
- Democratizing
- About change





Workers know their own jobs and workplaces best

Degrees of Research Participation



or

Workers collaborate with <u>trusted</u> researchers

or

Workers give direction /



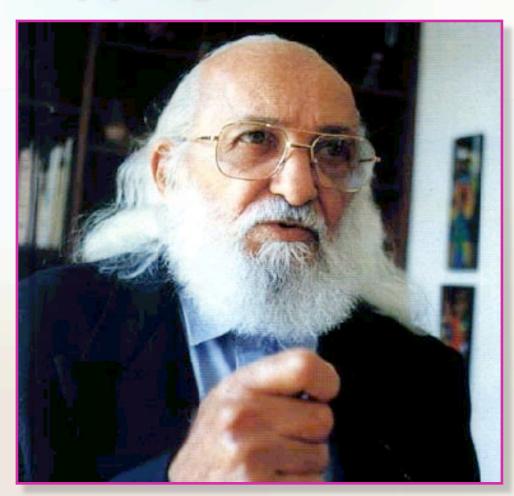


Where Do Worker-Based Research and Mapping Come From?

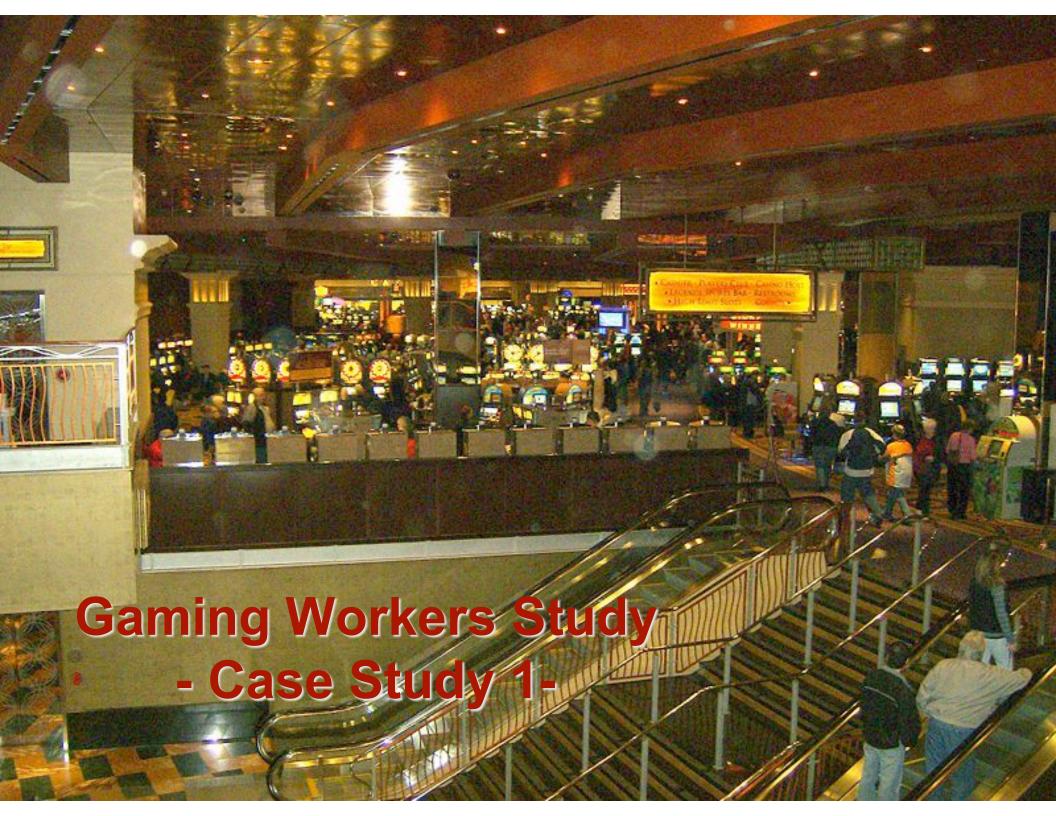


Italian Fiat Plant Workers in 1960s

Where Do Worker-Based Research and Mapping Come From?



Paulo Freire in Brazil 1950s - 1990s



Body, Hazard, & Life Mapping



Priorities & Action Plan



iblem	Cause(s) of Problem	Effect(s) of Problem	Stickers Here	Additional breaks -lo b
ality	Parts (Change)	Book stress of pain of Legs of feet pain of romy constant welking. Inability to breathe. Althor Longton health offeets.	001	Light weight adjust Banks-drawers more occes Inventory control (Proper) Tools Those to permanent. Adequa System More Non-Smoking Areas. Proper use & education of Cl
L. W. Stress	Teamer design team suction and adopting	Sick more often v Tiredness v	••	Proper HUAC System
design	Trattic pattern.	More bending & Stretching. Stress levels higher.	•	Better design, ergonomically in permanent Proper egoipment
	Contractions and the state of t	Not focusing the safety issues, possible Disciplinary actions.		Better communication, under standing More teamwork approach. Consistency.
	Short statement the training from the training training the training traini	NAME STREET, THE CONSTITUTE OF LANCE STREET		



RESEARCH PROJECT

Gaming workers in Windsor, of and Winnipeg, Manitobe work together to research the health safety hazards they face on the workers and their unions, CAV 444 "m Windsor and the Manit Government Employees Union Winnipeg, Joined with the Win Occupational Health Informati Service, Occupational Health Information Company of the Prederation of Labour Occupat Health Centre to carry out the Very few research projects have addressed

the health and safay problems fast-expanding gaming industr

THE GAMING FACILITIES

Casino Windsor, which is run l private consortium, has been o out of two temporary facilities opening in 1994. It employs ab 3,600 people. A large permane is

scheduled to open in 1998 and expected to add an additional I employees to its workforce. The Winnipeg gaming facilities are by the Manitoba government. Three gaming sites: the Crystal Club Regent and McPhillips Station. There are approximate gaming workers at the three fa Planned changes include the cl the Crystal Casino and expansi other two

Identifying and Prioritizing Gaming Workers' Health and Safety Concerns Using Mapping for Data Collection

Margaret M. Keith, PhD cand., 1. Beverley Cann, 2 James T. Brophy, BA, PhD cand., 1
Deborah Hellyer, MD, FRCP(C), FCCP, CIME, 3 Margaret Day, 4 Shirley Egan, 5
Kathy Mayville, 3 and Andrew Watterson, PhD 6

Background This research was prompted by the clinical presentation of workers from a variety of gaming occupations with injuries and illnesses and multiple health and safety concerns.

Methods Using participatory action research principles, 51 gaming workers in Ontario and 20 gaming workers in Manitoba were consulted during a series of focus group sessions. Mapping exercises were used to survey the participants about their health concerns, perceived occupational hazards and the impact of working conditions on their personal lives. Participants were then asked to prioritize their concerns and make recommendations for improvements.

Results Gaming workers from both provinces identified similar health, hazard and psycho-social concerns. They prioritized the issues of stress, ergonomics, indoor air quality (including second-hand smoke and temperature), biological hazards, physical hazards and noise.

Conclusions This study points to a need to more fully investigate and address health and safety issues in the gaming industry. It also demonstrates the effectiveness of a worker-driven, participatory consultation. Am. J. Ind. Med. 39:42–51, 2001.

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KEY WORDS: participatory action research; mapping; casino workers; gaming workers; dealers; environmental tobacco smoke; stress; occupation; ergonomics

Accepted 1 August 2000

INTRODUCTION

The gaming industry in North America, once limited mainly to large gambling centers in the United States such as Las Vegas and Atlantic City, has exploded into the Canadian economy. In the last 10 years, gambling in regulated gaming facilities has been legalized in most provinces and territories, setting the stage for booming growth in the gaming industry. According to Statistics Canada, between 1992 and 1997 profits to provincial governments from gambling rose from 1.7 to 3.8 billion dollars and employment rose from 12,000 to 35,000 [Marshall, 1998]. Yet, in spite of its growing workforce and enormous impact on the economy, there has never been a systematic investigation of occupational health and safety within the gaming industry.

This study was initiated in 1997 after inquiries and patient contacts were made at the Occupational Health nt to 6000 rkers

union solidarity

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dia attention

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¹Faculty of Health and Community Studies, DeMontfort University, Leicester, LK (currently Visiting Russarcher, Public Health and Occupational Health Effectiveness Group, University of Striffing, Scotland)

²Occupational Health Nurse, MFL Occupational Health Centre, Inc.

³Occupational Health Clinics for Ontario Workers-Windsor, Windsor, Ontario, Canada ⁴Health and Safety Representative, Manitoba Government Employees Union, Winnipeg, Manitoba, Canada

⁵Health and Safety Representative, CAW Local 444

⁸Public Health and Occupational Health Effectiveness Group, University of Stirling, Stirling, Scotland

Institution at which work was performed. Couspelloral Health Claincs for Orbanie Workers. (OHCOW), Windoor Occupational Health Information Service (WOHS), MFL Cocupational Health Centre, Inc. (NPE, OHC), Maritides Government Employees Union (MESU), CAM-Canada: National Automobile, Aerospace, Transportation and General Workers Union of Carada (CAW), Local 44-4. The participating organizations self-builded this study.

Consent and Approval Every participant completed a signed consent form permitting the suffices to publish the findings. No personal identifiers have been included in the manager "Correspondence to: Mangaret M. Keifft, Occupational Health Clinics for Ordanio Workers, Sarmia-Lambton, 171 Kendall Street, Point Edward, Ontario, Canada N7V 406. E-mait midest Noticewonca.

Casino Workers



Casino concerns focus of study

BY SUE BAILEY STAR GAMING REPORTER

Urine left in plastic cups by fixated slot machine players, carelessly discarded hypodermic needles and intense stress are among casino workers' concerns in a ground-breaking study to be released today.

"In some cases (players) were so fixed to their slot machines that they didn't even want to bother to get up and go to the bathroom. They'd just use a plastic cup and set it down beside the slot machine," said Margaret Keith, co-author of the study and director of the Windsor Occupational Health Information

"This is considered to be a very glamourous industry and most people wouldn't give a second thought to the working conditions for employees there."

Other concerns

Seventy-one participants representing 18 gaming jobs - 51 from Windsor and 20 from Winnipeg - also reported repetitive strain

funded by the Canadian Auto Workers Local 444. - representing about 3,000 Windsor casino workers - the Manitoba Government Employees Union, Occupational Health Clinic for Ontario Workers, the Windsor Occupational Health Information Service and the Manitoba adde Federation of Labour Occupational Health Centre.

The study began almost a year ago and is to deal be included in contract talks now going on be- Mur tween the CAW and Windsor Casino Ltd.

CAW health and safety representative Shirley Egan said Windsor teamed up with Winnipeg after occupational health workers room in the two gaming centres discussed the lack and of such research. Winnipeg has one casino cup and two "entertainment centres" featuring slot machines and bingo.

Participants were split into small focus groups and "mapping" was used to label trou- noti ble spots on images of the human body and of work place areas. Many dealers, for example. pointed out pain in their shoulders, arms and wrists, Keith said.

"A lot of them talked about the incredible ef- you and back injuries, respiratory ailments and fect of stress and exhaustion on their home four

hustle-bustle" casino atmosphere, said Windsor Casino Ltd. spokesman Jim Mundy "We'll

Casino (d.) 48 workers say booze bad idea

cou

but

"It's bad enough to have customers drink and then come into the facility

drink and then come into the factury as it is now, let alone serving alcohol on the premises," said Robin Drylick, a sit machine attendant.

"Alcohol come attendant.

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ing windows after the doors have even closed, other Lotteries Corp. spokes-son with the control of the control of the terminate with the control of the terminate with the control of the would not be served. The corporation has a policy of asking unruly customers to leave. Unruly customers are just one of the workplace safe problems that game survey of casino employees in Wind-ors and Winnight and the windows and windows the work of the windows windows

Union study claims

Casino workers gamble with health

The people who deal the cards and count the cash in Canada's casinos have more than paper cuts to complain about, union representative said yesterday.

Some have to push arouni

hand snoke in crowded, noisy rooms or walk around for seven or eight hours with change helts that weigh as much as two 10-kilogram

much as two 10-kilogram sacks of potatoes. "In the slot room at my facility, McPhillips Street Station. I believe we have three people... on compen-sation." said Winnipeg cas no worker Robin Drylick. Rash of problems

The Manitoba

There are about a dozer arge casinos in several

survey of casino employees in Wind-sor and Winnipe use problems cited were air quality concerns about sec-ond-hand smoke and coin dust, all respondents and problems, rang-ing from shoulder and upper arm pain to back problems from handling heavy a money buckets, carrying heavy coin belts and qualing and pulled son ton!

belts and pushing and pulling colt troit, person both, strapped, around an employee's waist, can welph as much a 70 kilograms. Drylick said three of her colleagues were currently on com-pensation because of injurier related to wearing money betts. I have been been been a strain of the person of Workers also suffered headaches, and eyes strain from the continuous notes and feeshine libra.



Peter Offert (right) at news conference yesterday with casino workers Doug Peter and Robin Drylick

But they said the overall rovinces, two sets of work

workers have in mind in Winnipeg
"We are meeting with (Day) I believe next week that regard," said Susan Olynik of the Manitoba Lottery Corp.
But Olynik insists they



Casino workers hope report a winner

BY SUE BAILEY STAR GAMING REPORTER

Casino workers Susan Essery and Bob Vrabel hope a first-of-its-kind health- and-safety study on gaming employees will make their jobs easier.

Essery, a porter, and Vrabel, a security guard, both work at the interim Casino Windsor

They shared stories of remarkably rude patrons, the aches and exhaustion of repetitive work and the hazards encountered in what's widely considered a glamourous environment.

Just two weeks ago a change attendant was hospitalized when a topheavy chest of token drawers weighing hundreds of pounds toppled on her, they said. "Every day we see things we feel are a hazard and we get told 'Well, we haven't had a problem yet." Vrabel

He and Essery were among other study participants who attended the Canadian Auto Workers Local 200/444 union hall on Turner Road Thursday as the document was released.

The joint Windsor-Winnipeg Gaming Workers' Health & Safety Research Project revealed four key concerns expressed by the 71 workers in 18 jobs: · stress.

· second-hand smoke; · noise:

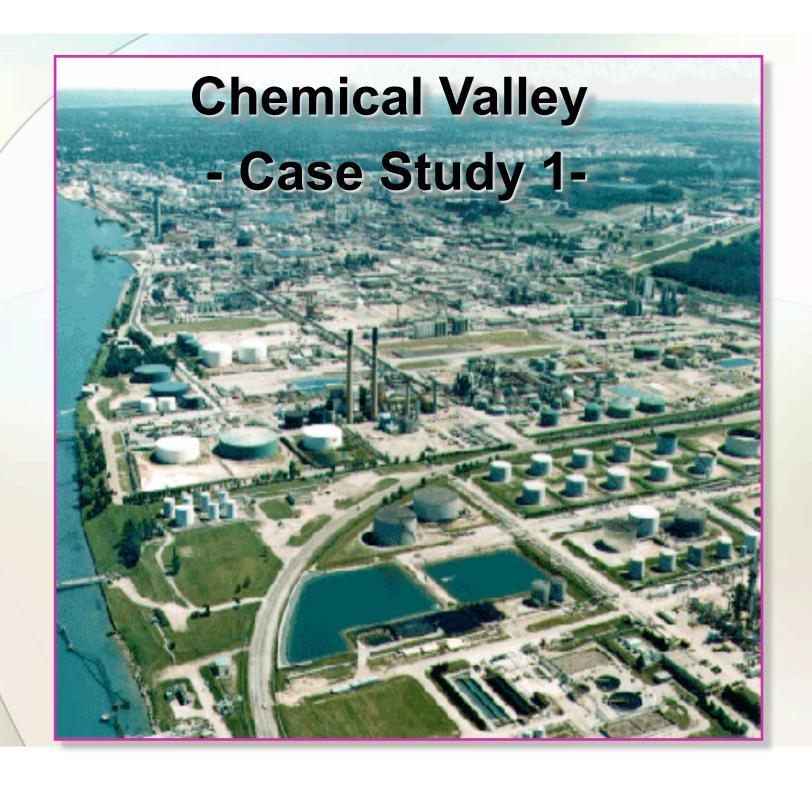
· and "biological hazards" such as the spilled blood of combatant gamblers, vomit, urine and discarded hypodermic needles or "sharps" used by diabetics. (Anyone caught using such needles to inject illicit drugs is reported to police, said casino spokesman Jim

Essery, 45, said the often unsavoury job of cleaning up after gamblers falls

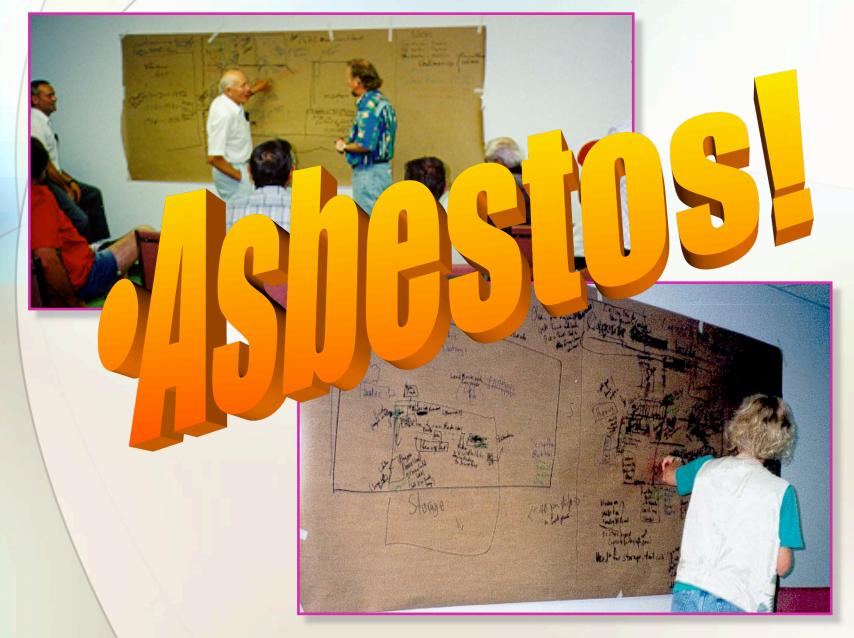
mostly to porters whose main protection is rubber gloves. So why has the former hair stylist stuck with the \$11.87-an-hour job? "I love being out on the floor with the people," Essery said, adding the job can be exciting and fun.

Issues raised in the study will be discussed during contract talks between CAW Local 444, representing about 3,000 casino workers, and Windsor Casino Ltd., said local president Ken Lewenza. It's hoped solutions can be found to ease absenteeism rates of 30 per cent reached in some casino departments each day, he added.

Windso- Star- Feb 27/8



Holmes Foundry and Insulation



Holmes Foundry and Insulation



Participatory Mapping of Occupational Hazards and Disease among Asbestos-exposed Workers from a Foundry and Insulation Complex in Canada

MARGARET M. KEITH, JAMES T. BROPHY

A study of former asbestos-exposed foundry and insulation workers was carried out in Sarnia, Ontario, home to Canada's petrochemical industry, using participatory mapping to document past exposures and subsequent diseases. Before it closed, government inspectors had monitored the use of asbestos at the facility, documenting levels that were thousands of times above the current legal limit. The study was undertaken by the Occupational Health Clinics for Ontario Workers (OHCOW) and Canadian Auto Workers (CAW) to provide evidence for worker compensation claims. Using facilitated hazard mapping, former Holmes workers graphically reconstructed their workplaces and detailed their exposures. Using facilitated body mapping, workers recorded and displayed their health problems. The study uncovered a grim pattern of occupational diseases. Following the release of the results,

having asbestos related diseases.¹ Like the current recipients of imported asbestos in developing countries, workers in Sarnia-Lambton became the unwitting victims of asbestos that was brought into their community by their employers.²

Sarnia–Lambton is situated on the St. Clair River about midway through the Great Lakes system. The city of Sarnia and the surrounding county of Lambton have a combined population of approximately 127,000. A thriving petrochemical industry was established following the 1851 discovery of petroleum "gum beds" in the area. The abundance of crude oil and the proximity to the United States and a major steamship route made Sarnia an ideal site for doing business. By 1893, the Sarnia area was the major supplier of crude and petroleum products for Canada. 4

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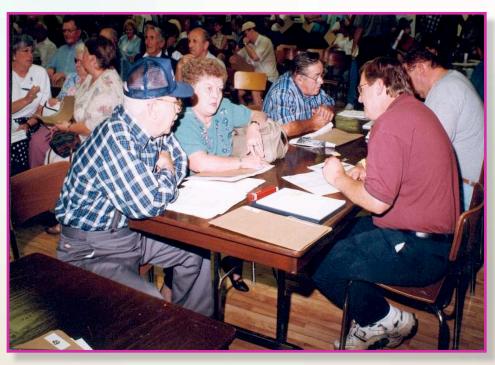
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Holmes Foundry and Insulation





Sarnia Building Trades Workers



Exposing Asbestos Disease



Linking to the Community



Aamjiwnaang Community Health Links to the Community

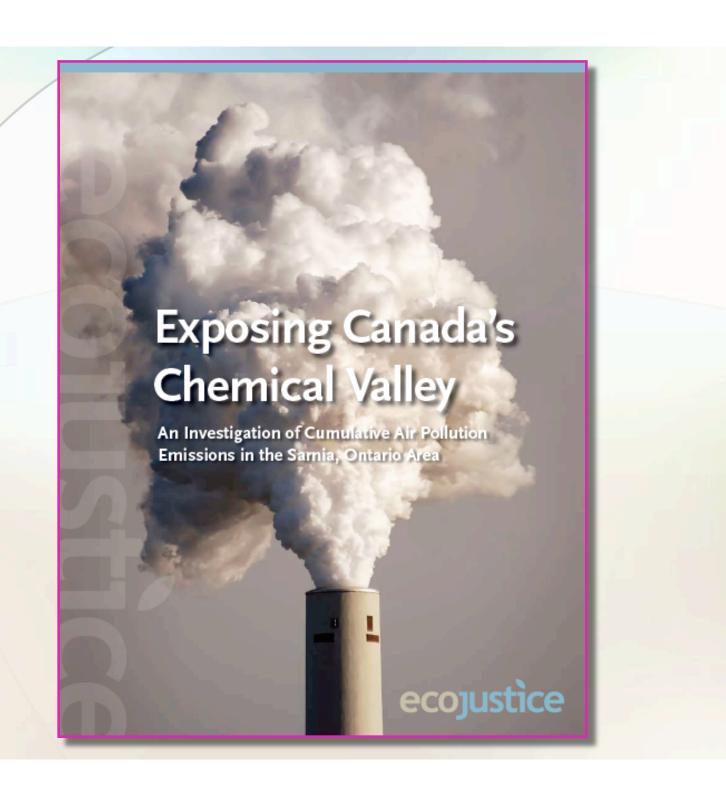
Research

Declining Sex Ratio in a First Nation Community

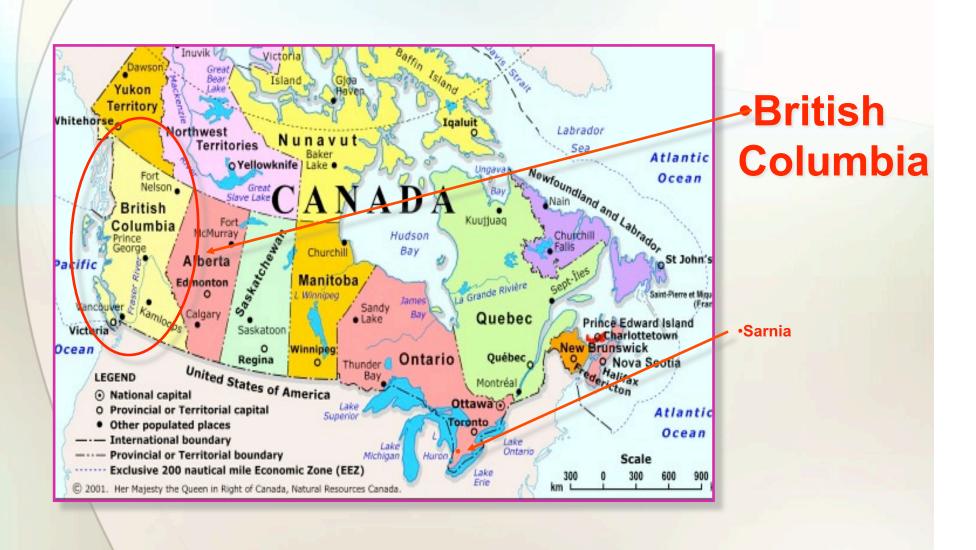
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More greenhouse gases than the entire province of British Columbia



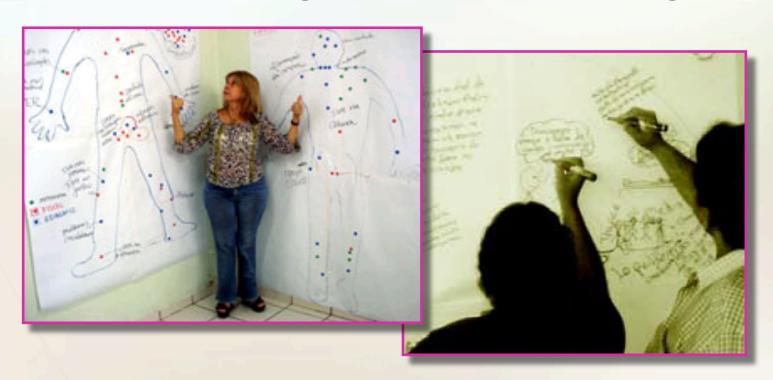


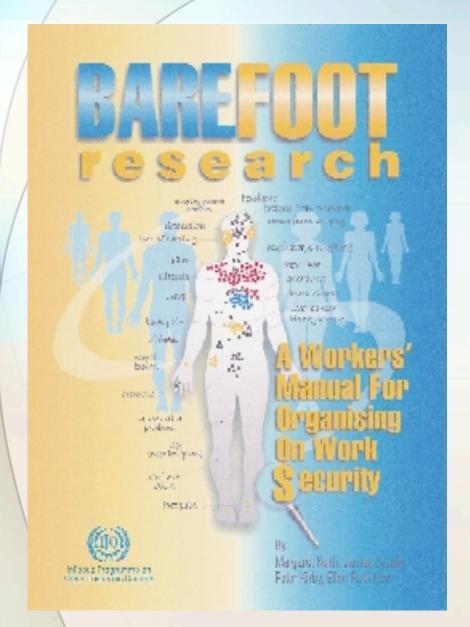




4 step Mapping

- 1. Body Mapping
- 2. Hazard Mapping
- 3. Your Life Mapping
- 4. Prioritizing and Action Planning





What does it all mean?

- Rank and file movement
- Combine occupational & environmental health
- Connection with the community
- Challenge the power democracy