

Dana Hugh Sweeney, MSc.

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EDUCATIONAL BACKGROUND

Master of Exercise Science (Environmental Physiology), University of Toronto,
Toronto, Ontario, November 2003

Thesis Title: The Effects of Motion Sickness on the Development of Hypothermia
Advisor: Dr. Michel Ducharme

Bachelor of Science (Kinesiology)-Honours-Dalhousie University, NS – May 2000

Advisor: Dr. Stephen Cheung

WORK AND VOLUNTEER HISTORY

(Concurrent with Education)

2006	Project Coordinator	The CORD Group Limited, Dartmouth, NS
2004-2005	Testing Technician	The CORD Group Limited, Dartmouth, NS
2003-2005	Manufacturing Technician	Survival Systems Limited, Dartmouth, NS
2002	Mountain Bike Team Trainer	University of Toronto, ON
1999-2000	Inshore Rescue Boat- Coxswain	Canadian Coast Guard, Dartmouth, NS
1999	Assistant Trainer, Basketball	Dalhousie University, NS
1998-2000	NSCA-CFC Personal Trainer	Dalplex, Dalhousie University, NS
1996-1998	Inshore Rescue Boat-Crew	Canadian Coast Guard, Dartmouth, NS

RELEVANT SKILLS & EXPERIENCE

APPLIED RESEARCH

- **Scientific writing and applied critical thinking**, demonstrated through completion of:
 - **Masters Thesis titled “The Effects of Motion Sickness on the Development of Hypothermia”**
 - **Preparation of Presentations for:**
 - **ASMA Meeting**, Anchorage, Alaska, 2004
 - **ICEE Meeting**, Sweden, 2005

- **Manuscript of Masters project for the ICEE Proceedings**, Sweden, 2005
- **Recruitment, screening and follow-up of study participants**
- **Collection and analysis of data**, including:
 - qualitative and quantitative **statistics**, predominantly univariate analysis with some multivariate experience.
- **Excellent verbal communication skills** and the ability to disseminate pertinent research results to those with diverse backgrounds.
- **Proficient computer skills**: MS Office suite, statistics packages, graphics applications, reference management, internet, etc.

SUPERVISION & ADMINISTRATION

The CORD Group Limited

- Responsible for coordinating testing plans and projects for commercial clients and government projects using relevant standards and test methods:
 - Involves: subject recruitment, facility management, proposal preparation, logistical planning, and technical report preparation.
 - This work is related to marine safety and survival equipment, and protective clothing
 - Including: Human, laboratory, and material testing of immersion suits; thermal manikin testing of immersion suits, and general protective clothing (rainwear, waterproof-breathable garments, winter clothing ensembles, etc.)

Canadian Coast Guard-Coxswain

- Responsible for the day-to-day operation of the Primary Search and Rescue Station. This included:
 - All station maintenance and administration
 - Supervision of a staff of two crew, involving training, task/rescue scene management, conflict resolution, and review process.

AWARDS & DISTINCTIONS

Research Fellowship, Defence and Civil Institute of Environmental Medicine, Toronto, Canada, 2001

Entrance Scholarship, Dalhousie University, Halifax, NS – September 1996

RESEARCH AND EVALUATION EXPERIENCE

The CORD Group Limited

2006-Evaluation of immersion suit water ingress testing methods. In Progress

2006-Conducted performance evaluation of Canadian approved personal flotation devices using a Marine Anthropometric Manikin. CORD Technical Report R06-006 Titled "Evaluation Of A Variety Of Department Of Transport Canada Approved Personal Flotation Devices And Lifejackets Using The Robert Gordon Anthropometric Marine Manikin (RAMM)".

2006-Conducted Performance evaluations of five quick don immersion suits for the United States Air Force. CORD Technical Report R06-005 Titled "Performance Testing of Five Quick-Don Immersion Suits".

2006-Measurement of Maximum Escape buoyancy of soldier ballistic protection systems for the United States Navy

2004-Conducted human heat stress testing using The CORD Group Limited climate chamber and treadmill. Client and Project confidential. CORD Technical Report R04-030.

I have also conducted many Canadian Immersion suit approval test programs, and many smaller scale equipment (lifesaving device/protective garment) evaluations.

Academic Research

2002-2003-Masters Research-University of Toronto, ON, Canada

Topic: Motion Sickness and Hypothermia, Sea Survival

Title: The Effects of Motion Sickness on the Development of Hypothermia

2002-Conducted trials and performed data analysis for a human heat stress study using Canadian Forces helicopter pilots. DRDC Toronto Protocol L357.

2000-Honours Research-Dalhousie University, NS, Canada

Topic: Skin Temperature measurement

Title: The effect of Thermistor Attachment Methods on Skin Temperature Measurements

I have also gained applied experience with many areas of research by participating as a subject in many research experiments related to cold thermoregulation and peripheral cold exposure, heat and exercise, and attention.
