**Extreme Sport and** Information: Initial Findings of Technical Cave Diver's Information-Seeking Behaviours

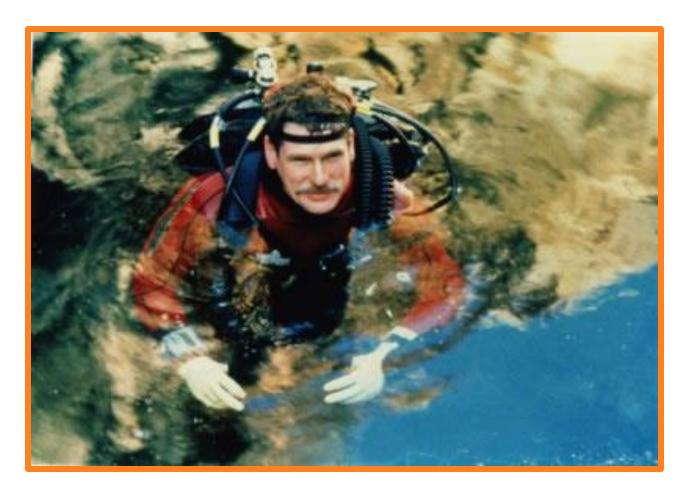
CAIS: May 28, 2025

Dalhousie University, Halifax, NS

Toni Beaton & Dr. Stacy Allison-Cassin

#### Introduction

Stebbins (2009) defines serious leisure as the term given to niche activities, "which involve significant personal effort based on specially acquired knowledge, training, experience or skill" (p. 625).



Sheck Exley, pioneer of safe cave diving practices.

Image <u>source</u>.



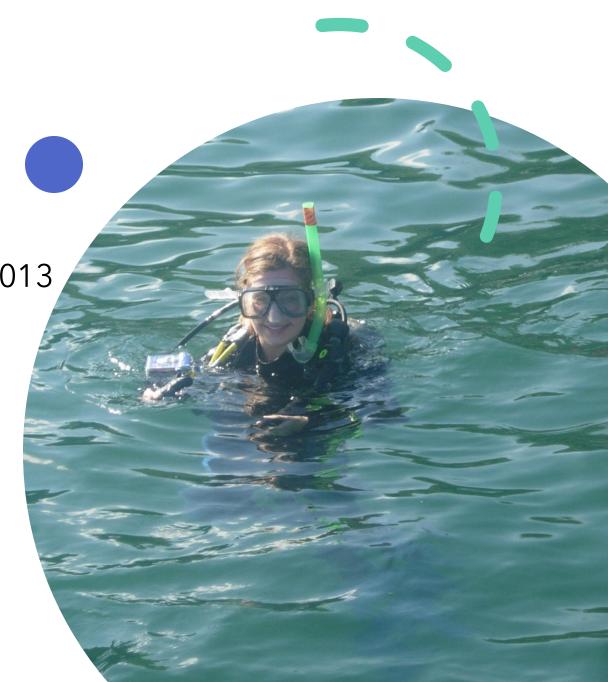
# Why Cave Diving?



## My Diving Background

- PADI "Scuba Diver" 2007
- PADI Open Water Diver 2011
- PADI Advanced Open Water Diver 2013
- PADI Enriched Air Diver 2014
- PADI Rescue Diver 2014

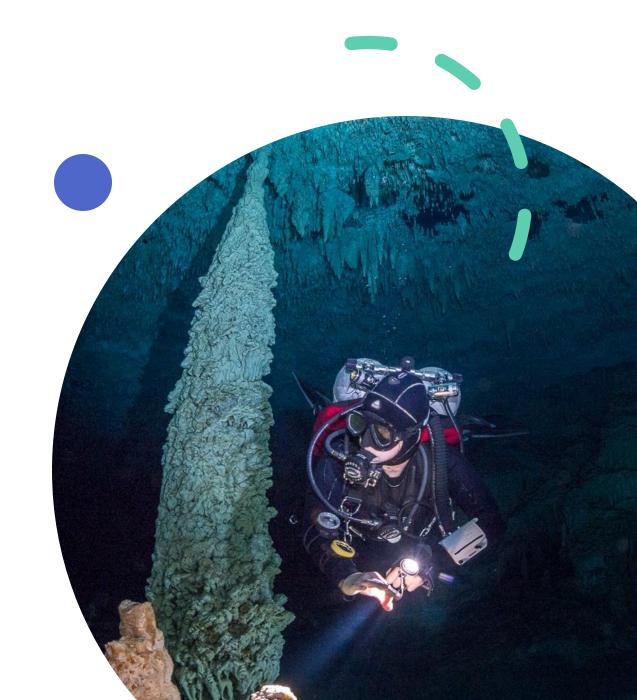


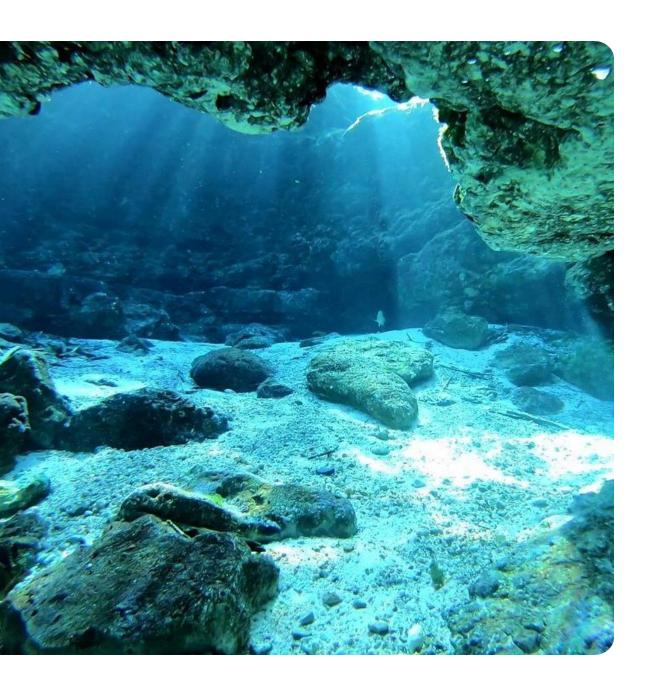


## Welcome to the Dark Side...

- TDI Cavern Diver 2017
- TDI Tech Diver 2017
- TDI Intro to Cave 2018
- TDI Full Cave 2018







## Human Information Interaction

Contemporary HII scholars, including Kari and Hartel, have advocated for research in serious leisure to increase, "...because of the importance of these pleasurable activities to everyday life experience" (as cited in Robinson & Yerbury, 2015, p. 591).



## Sport & Information Behaviour Research

Interpersonal relationships and social media are important sources of information in sport and active leisure.

- Hungenberg, Ouyang, and Gray (2019):
   "Adventure tourism"
- Bergstrom and Neo (2020): Hai'kū Stairs
- Gorichanaz (2017): Ultramarathon runners
- Yamashita (2022): "Sports tourists"

#### Research Methodology

The study uses the Information World Mapping technique developed by Greyson, O'Brien and Shoveller. This methodology uses a participatory art-based technique for conducting information behaviour interviews. The technique encourages participants to both draw their information seeking pathways and at the same time talk through their process.

Greyson, D., O'Brien, H., & Shoveller, J. (2017). Information world mapping: A participatory arts-based elicitation device for information behavior interviews. Library & Information Science Research, 39(2), 149-157.

# Call for Volunteers!

PARTICIPANTS
NEEDED FOR
RESEARCH IN THE
INFORMATIONSEEKING BEHAVIORS
OF CAVE DIVERS

ARE YOU A FULL-CAVE CERTIFIED
CAVE DIVER OVER 18 YEARS OF
AGE? IS CAVE DIVING A HOBBY OR A
PASSION OF YOURS? WE'D LOVE TO
HEAR FROM YOU!

If you volunteer to be in this study, your participation will consist of a one-hour long arts-based interview held virtually to learn about the information-seeking behaviors of cave divers. These interviews will be conducted in English.



To participate in this study, you must have completed a Full Cave certification, such as with TDI or an equivalent company, and provide proof of completion (such as a certificate or membership card). You should be a "recreational" or amateur cave diver, not a professional.

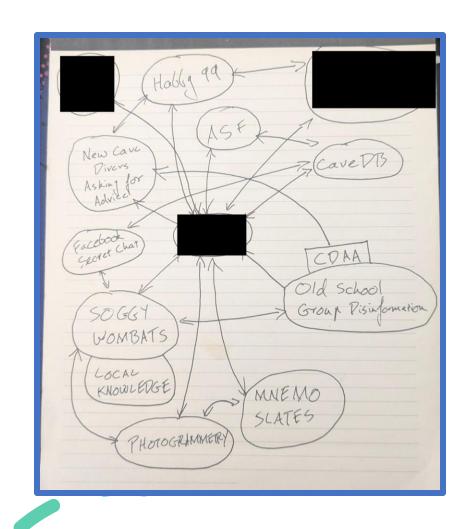
#### **MORE INFORMATION:**

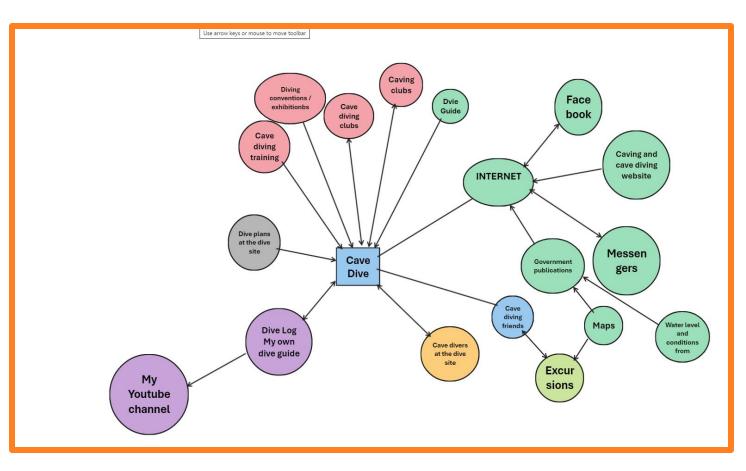
Contact: Toni Beaton Email: tn228036@dal.ca

## Recruitment & Participant Criteria

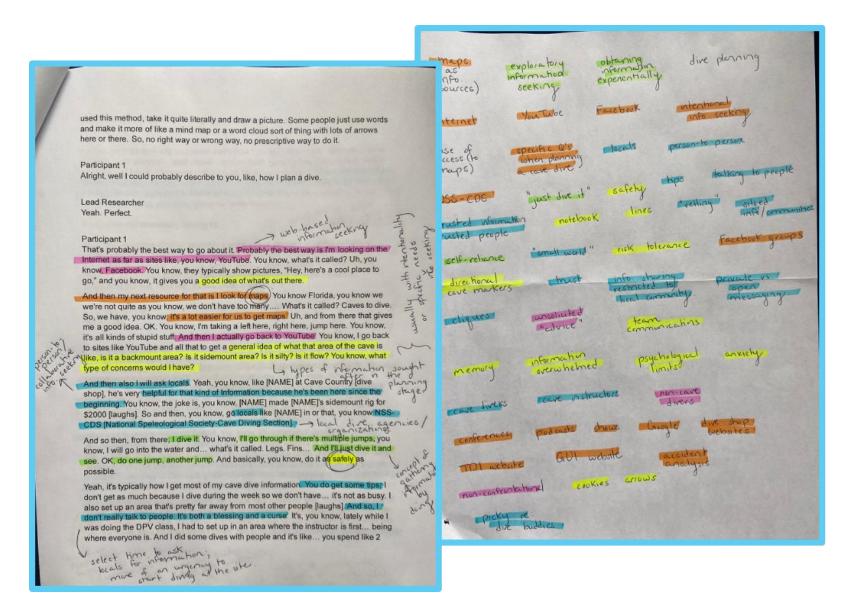
- 20 participants
  - 6 female-presenting
  - 14 male-presenting
- International representation
  - Australia
  - Canada
  - Denmark
  - Germany
  - Mexico
  - Switzerland
  - The United States

#### **Data Collection**



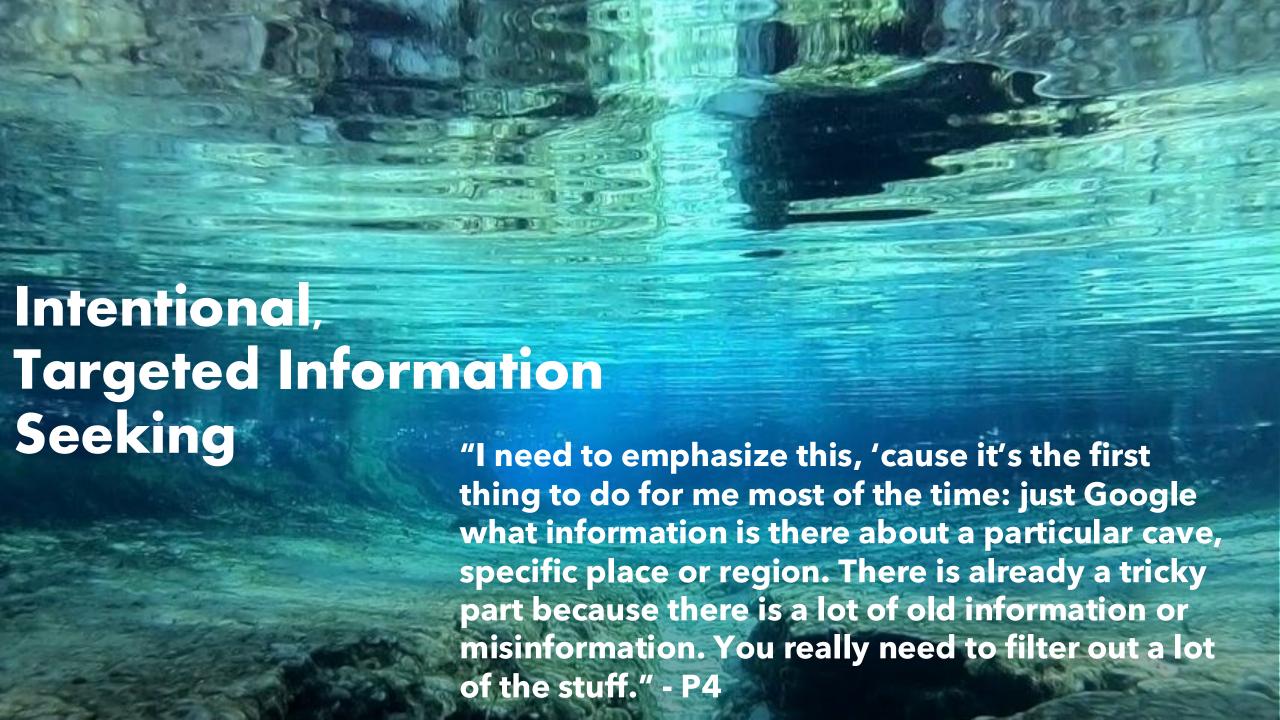


## Data Analysis



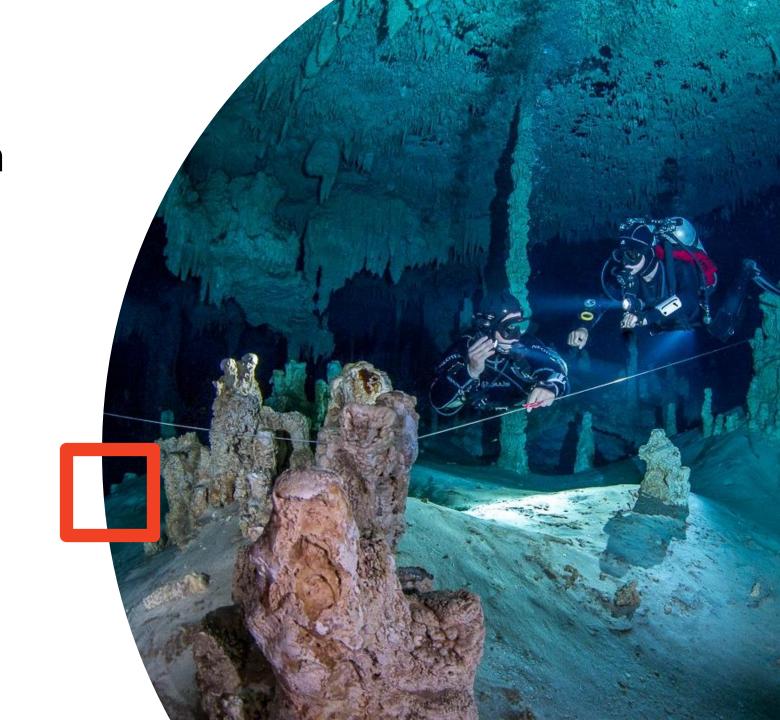


# Identified Themes and Early Results



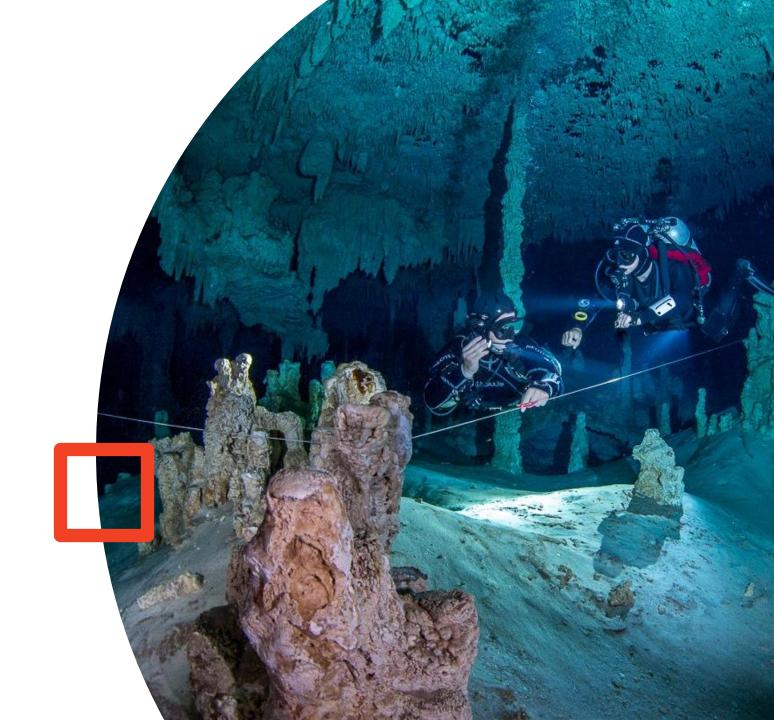
### Person-to-Person Information Exchanges

"At this level of cave diving, you're generally going to be vetting anyone that you come in contact with. It will become very apparent very quickly through verbal and nonverbal vetting, whether or not that's someone that I would feel comfortable at least doing some initial exploratory, seehow-the-dynamic-works type dive." - P11



# Person-to-Person Information Exchanges: Vetting

"If I haven't dove with a person before, I'm way more conservative about how far we go in and what we do. If you and I were doing a dive right now, I wouldn't want to do jumps. I would want to stay mainline. I would communicate that." - P15





# Experiential Information Gathering



## Embodied Information Gathering

"When you're actually in a cave, if you're not in the moment, you're potentially in deep trouble. For that... [time] you're in that cave, you are doing that thing because if you're not, you're potentially putting yourself and everyone else at risk. It's very focused for the time that you're doing it." - P17



"In general, I don't take a lot of information on the dive. If navigation is really complex, I might write it down, but in general I'm not doing very complex navigation in a place I've never been before. I kind of think if you need to rely on information that's written down, you maybe shouldn't be doing the dive." - P2



### STOP

### PREVENT YOUR DEATH! GO NO FARTHER.

FACT: More than 300 divers, including open water scuba instructors, have died in caves just like this one.

FACT: You needed training to dive. You need cave training and cave equipment to cave dive.

**FACT:** Without cave training and cave equipment, divers can die here.

FACT: It CAN happen to YOU!

THERE'S NOTHING IN THIS CAVE WORTH DYING FOR!

DO NOT GO BEYOND THIS POINT.

A Diver Safety Message From: NACD • NSS-CDS • PADI

This and other signs have been installed in caves for your safety. Please Heed them!

Printing Courtesy of the:
National Speleological Society - Cave Diving Section, P.O. Box 950, Branford, Florida 32008-0950

# Information as a Safety-Oriented Practice

"I don't do it for high risk. I do it for low risk, and it's extremely meditative for me. **Everyone has to evaluate** their own risk-reward decisions profile, and what you're comfortable with doing. I don't think in all my years of diving I've ever done something for the excitement of it. Not once. Doesn't even enter my mind." - P11

Information is integral to the sport of cave diving, acting as an indispensable part of the equipment and critical to the relationship between divers and the environment.



### Interesting "Cookies" to Follow...

- Gender imbalances
- Geographic differences
- Generational differences
- Public perception



## Extending our Results Beyond the Cave

"There's old mountaineers and there's bold mountaineers. There's no old, bold mountaineers. That works the same for cave diving." - P15



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## **Questions?**

beatont@halifaxlibrary.ca