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**Appendix B**  
**Workshop Presentations**

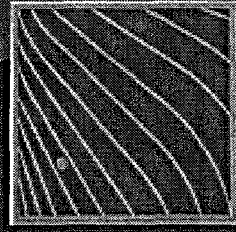


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**Survival Systems Presentation**



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- **Training and Operations Manager, Survival Systems Training Limited, Dartmouth, NS.**
  - **Designed course curriculum for Emergency Breathing Systems for both military and civilian helicopter operations.**
  - **Provided train-the-trainer programs in Aircraft Ditching and Emergency Breathing Systems world-wide for both military and commercial operations.**
  - **22 years service in the Royal Navy as a helicopter search and rescue diver and commando helicopter crewman.**
  - **Commercial divers certificate HSE Part IV (UK), Master Sports Diver ACUC.**
  - **31 years in the survival business.**
  - **email me at **



# The Principles of Emergency Breathing Systems for Helicopter Underwater Escape

- Foster broader knowledge and understanding of the differences between a compressed air breathing system and a rebreathing systems used for helicopter underwater escape.
- Practical familiarization using a typical compressed air system.

# Helicopter Statistics\*

In 24 accidents where the cause of death was known

162 fatalities

92 drowned

56.7% of fatalities were the result of drowning  
(where the cause of death was known).

\*World Civil Helicopter Water Impacts: Summary of  
Occupant Injuries. Courtesy Clifford (1996).

# Why People Perish

- Survival will be determined by an individual's breath-hold time.
- Cold shock (Essentials of Sea Survival, Golden and Tipton).
- Gasp reflex and inability to breath hold.