BEAR Hunt — The Search for a Historical Maritime Treasure

LCDR Michael Turner¹ and LT Olivia Hauser²

¹Project Manager, Environment and Waterways Branch, US Coast Guard Research and Development Center
²Hydrographic Systems and Technology Programs, National Oceanic and Atmospheric Administration (NOAA)

**PREVIOUS SEARCHES**

**CHALLENGES**

- Vessels of opportunity with the time and equipment suitable for locating the BEAR
- Probable location straddles US and Canadian border
- Probable location of wreck in an area highly susceptible to foul weather
- BEAR's material condition after sinking (intact or broken apart?)

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**CONTACT INFO**

LCDR Michael Turner
US Coast Guard Research and Development Center
1 Chelsea Street
New London, CT 06333
860-271-2882

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**Initial Probability Distribution Model**

BEAR Location Initial Probability Distribution

**Methods and Definitions**

- SAROPS: Search And Rescue Optimal Planning System

**Assumptions**

- (Lap of 2NM 090-030 1.17N 65° 12W reported by low vessel)
- USGS Aircraft reported position of Bear 2NM 1340 2.42°
- Time of sinking: 20/Dec/1963 2:14AM
- Winds 30/cps from 000 (Yarmouth Weather S)
- Total currents from 19-20 Nov 1963 used

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**BEAR Location Initial Probability Distribution**

SAROPS

Coast Guard Academy Search Project - 1979

US Navy Research Submarine (NR-1) Survey 2003

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