



# **MINE WARFARE BRIEF**

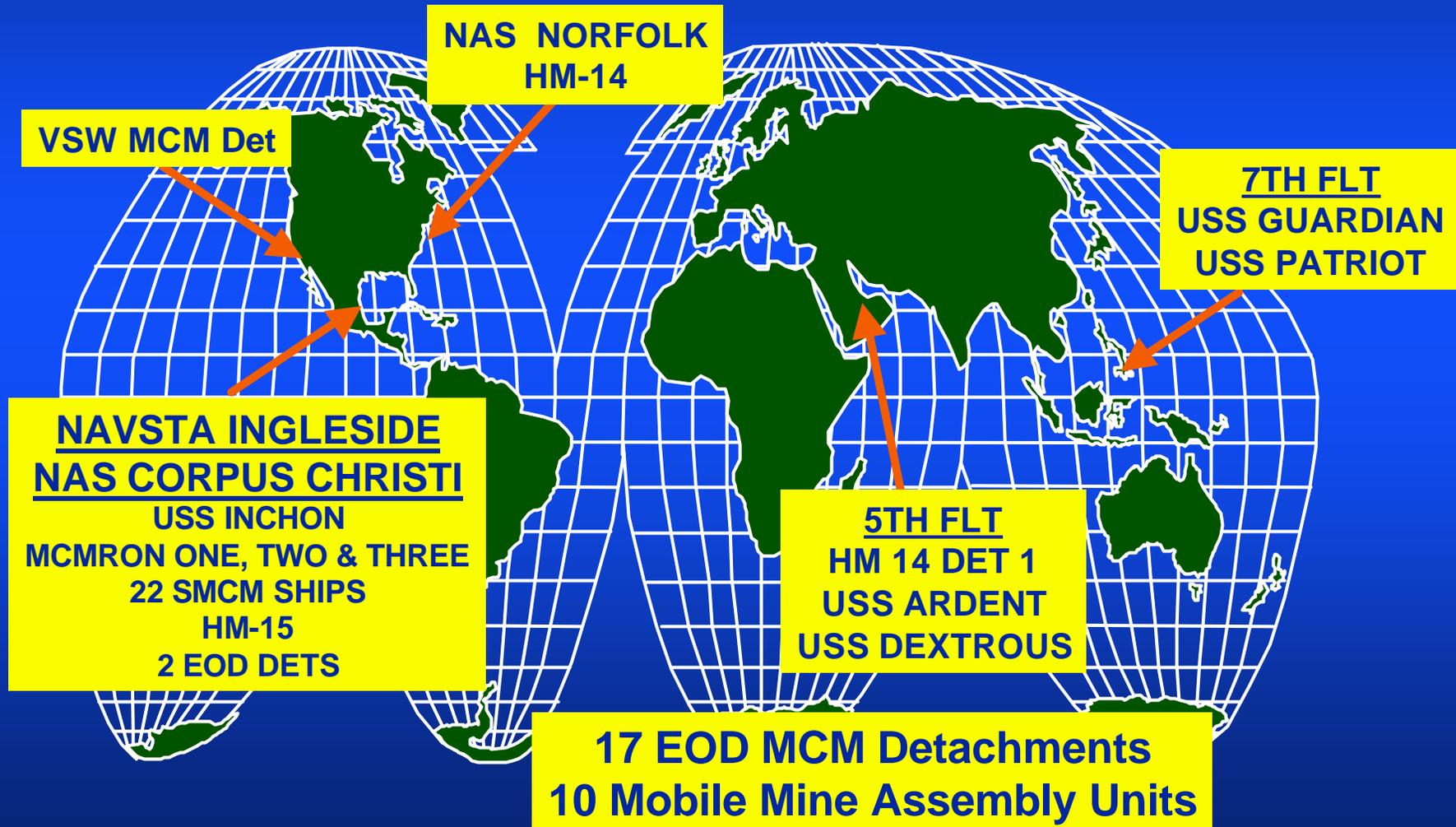
**“...Mine Warfare is a unique Navy core capability that must become a prime warfighting area we all treat as important as Strike.”**

**ADM J. Johnson, CNO**

**CDR JOHN BROWN**



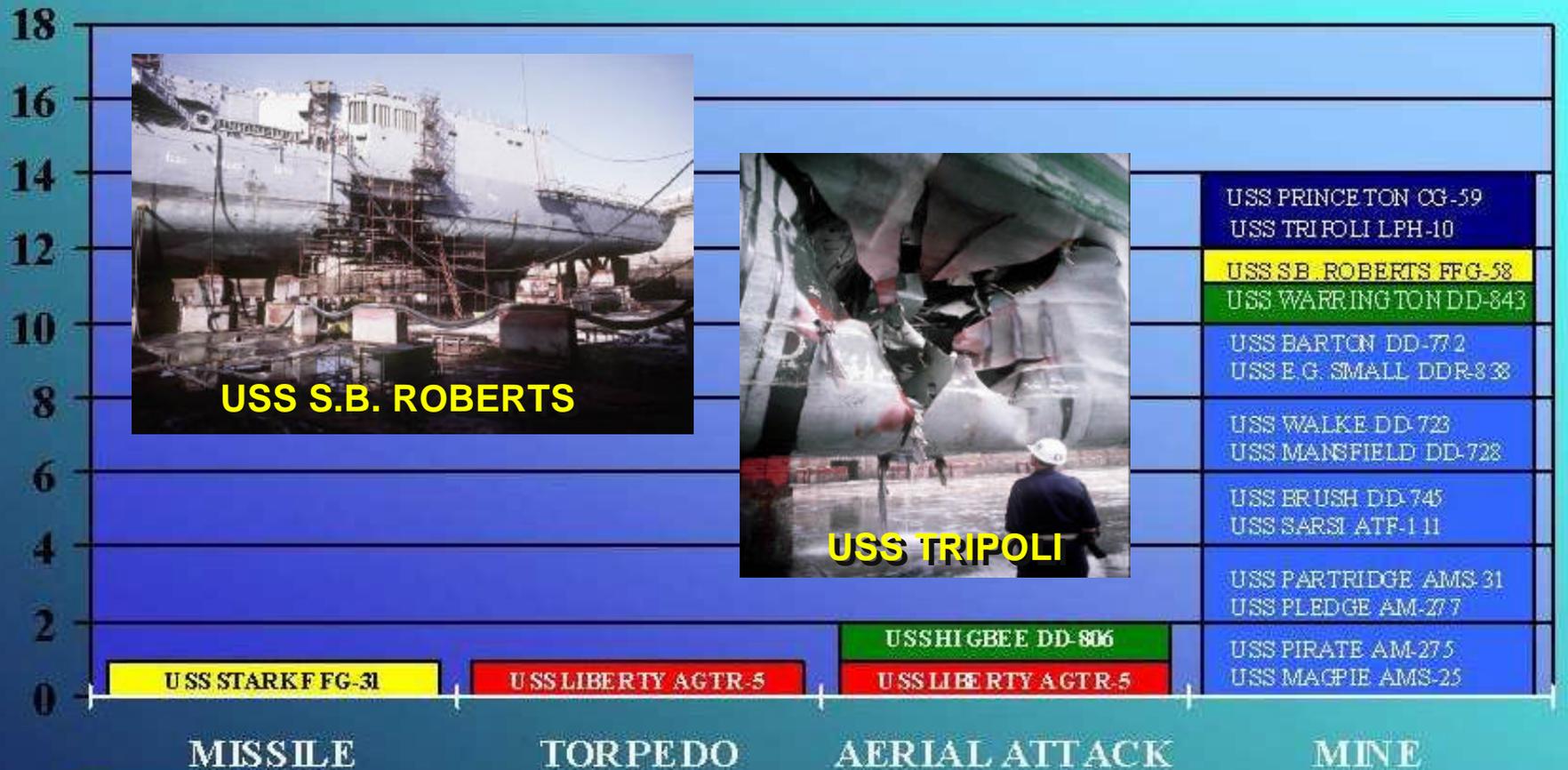
# MINE FORCE LOCATION





# U.S. SHIP CASUALTIES

## 1950 - PRESENT

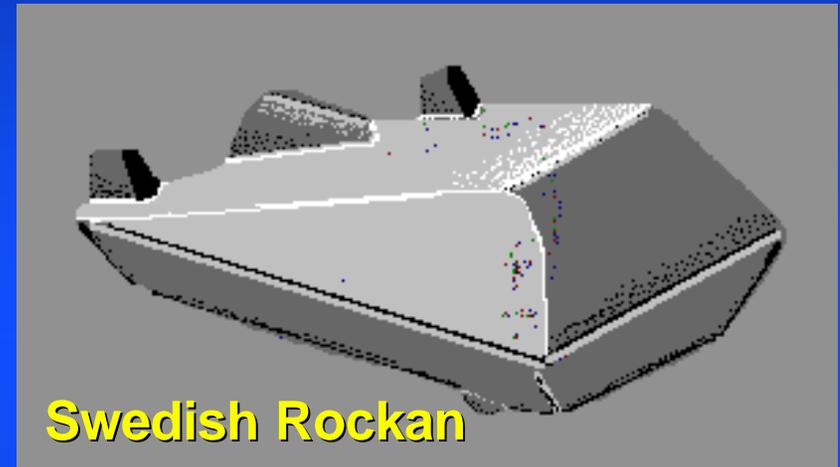


KOREA	TANKER WAR
ISRAEL	DESERT STORM
VIETNAM	



# MINE THREAT THE CHALLENGE

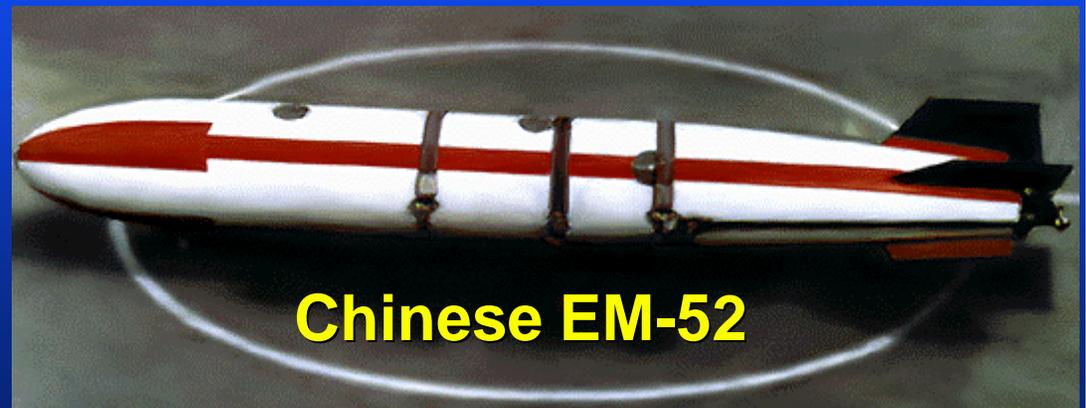
- Cheap & Available
- A mine is a **quiet** weapon
- Increasing technology



Swedish Rockan



Italian Manta



Chinese EM-52

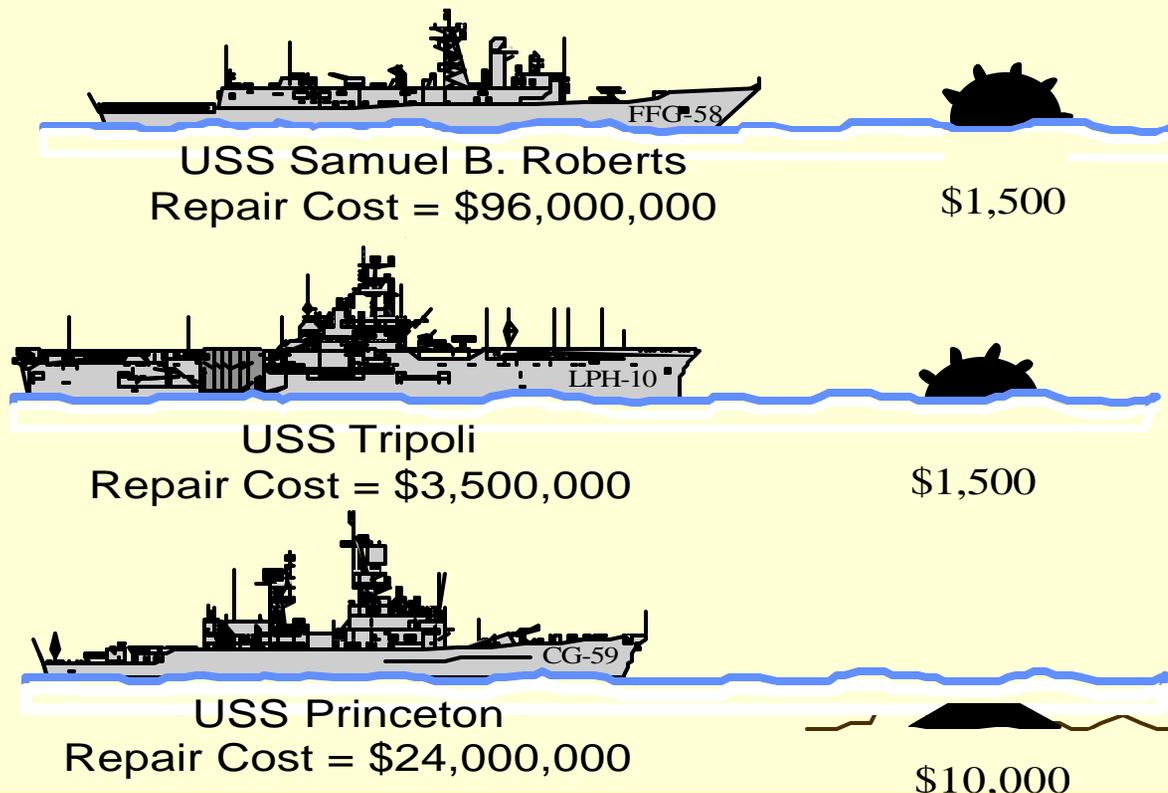


# **MINES ARE WEAPONS**

## ***CHEAP AND EFFECTIVE***

### Mine Threat

### “More Bang for the Buck”

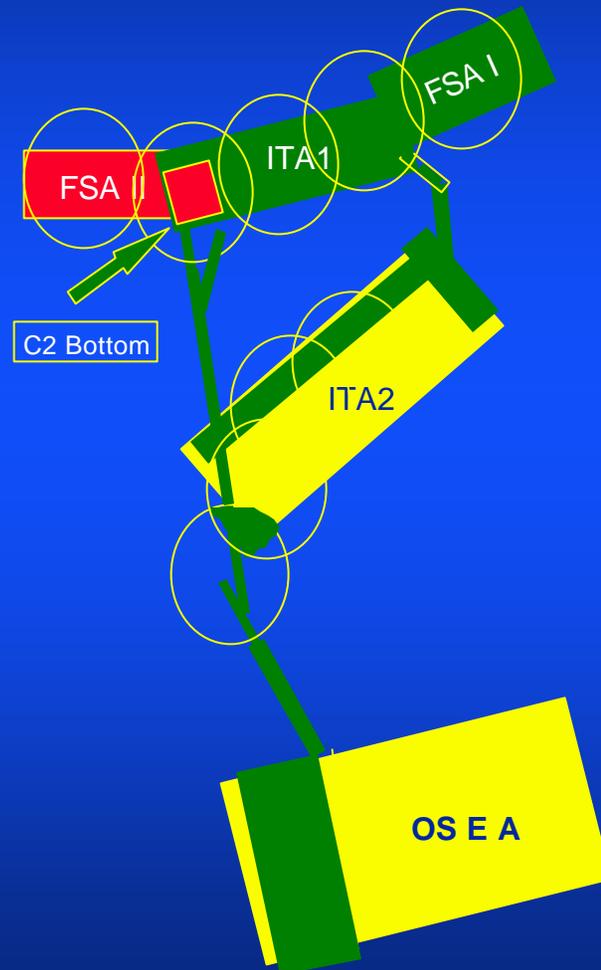




# MISSION

## *THE CHALLENGE*

- Provide the most maneuver area for joint and naval assets, in the least amount of time, with the least amount of residual threat to transitors, while incurring minimal risk to MCM platforms





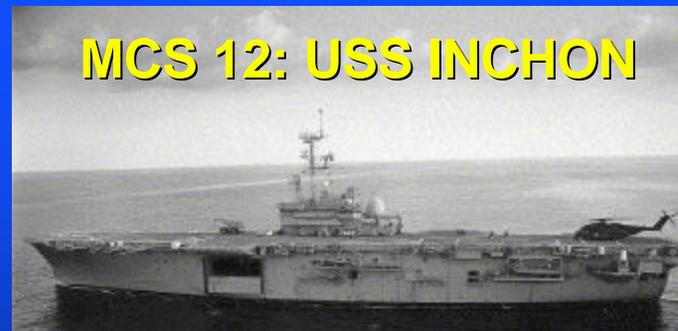
# DEDICATED MCM

## “THE TRIAD”



**AMCM:  
HM-14 & HM-15**

**EOD:  
MCM DETS  
MMS DETS  
VSW DET**



**MCS 12: USS INCHON**

**MCMRON  
STAFFS:  
MCMRON 1  
MCMRON 2  
MCMRON 3**

**SMCM:  
MCM CLASS  
MHC CLASS**





# ORGANIC MCM VISION

- **Detect Presence or Absence Of Mines**
  - Perform Basic Exploratory/Reconnaissance Operations
    - ♦ Has Mining Occurred?
    - ♦ To What Extent / Density?
    - ♦ Where are the Boundaries / Gaps?
- **Operational Maneuver Options**
  - Verify and Avoid OPAREA
  - Exploit Gaps
  - Limited Clearance / Neutralization (Punch Through)
- **Organic Limitations Include**
  - MDA Follow-on Clearance
  - Mine Exploitation
  - SLOC / OPAREA Expansion
  - Amphibious Assault Support



# ORGANIC MCM SYSTEMS

