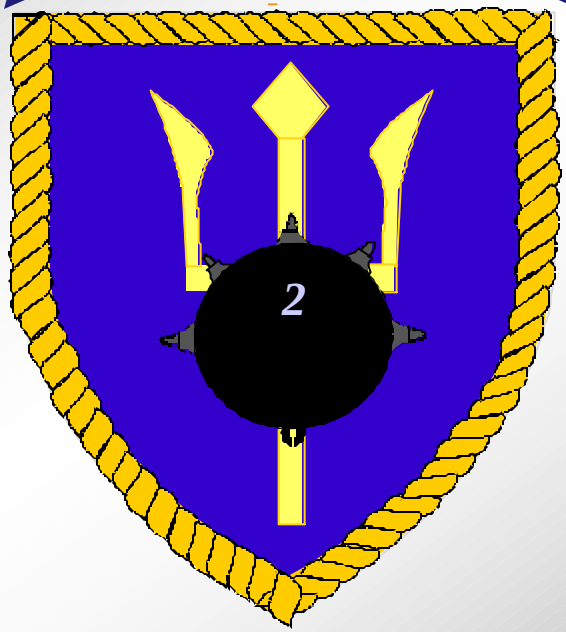
NDIA BRIEF



CAPTAIN BUZZ BROUGHTON

INCHON TASK GROUP 99-1

ITG 99-1 INTENTIONS

C6F OPERATIONS

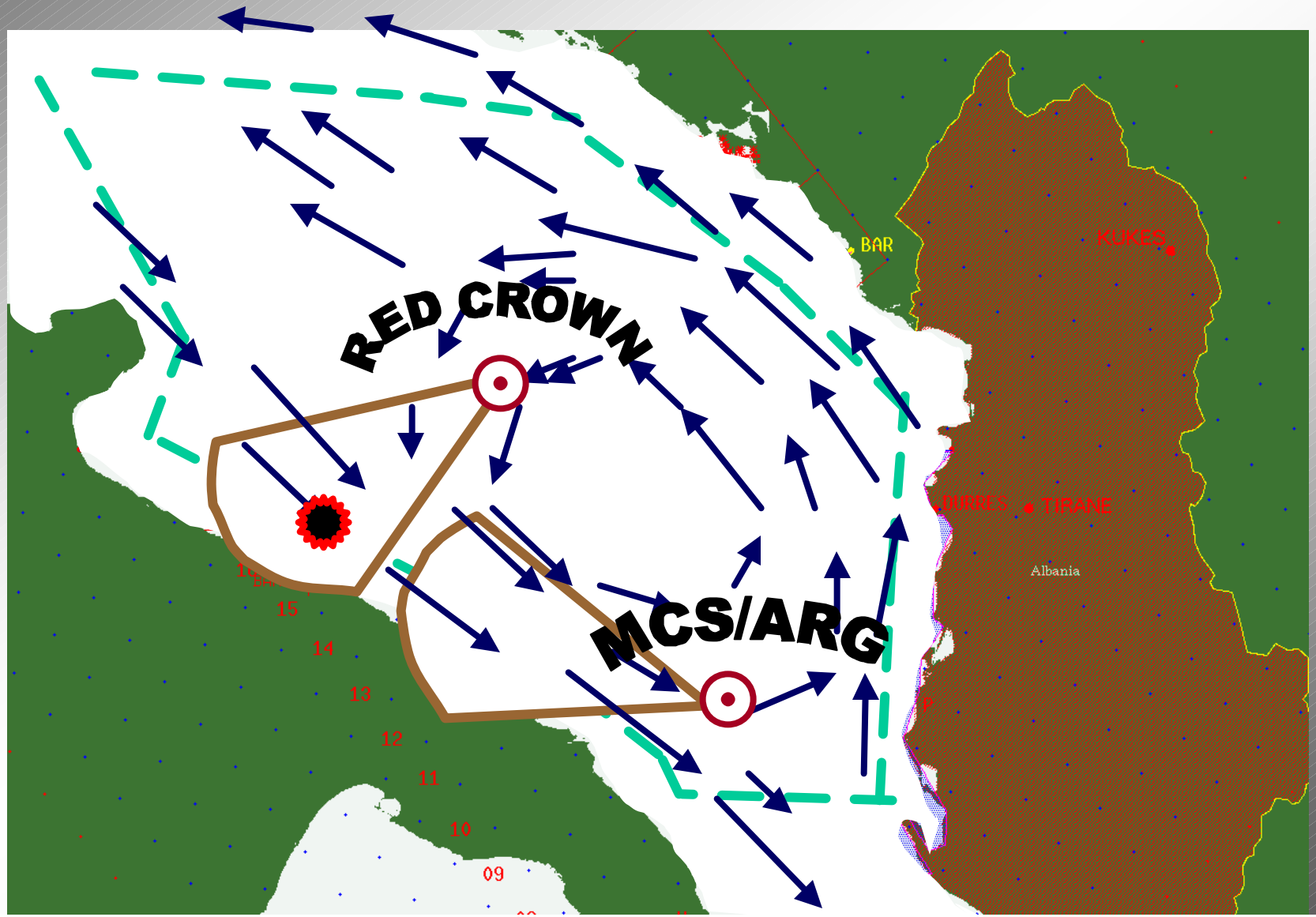
MCM'S

BALKAN OPERATIONS

HELO LIFT ISO
NOBLE ANVIL/SHINING HOPE

	PAX	MAIL	CARGO
NOBLE ANVIL	1,331	80,000 LB	1,155,353 LB
SHINING HOPE	6,011	N/A	769,973 LB
JOINT GUARDIAN	446	N/A	295,000 LB
TOTAL	7,788	80,000 LB	2,220,326 LB

MCM PLANNING: A HARASSMENT MINING CAMPAIGN



MCM PLANNING: A DEFENSIVE MINING CAMPAIGN

MISSION PLANNING

INTELLIGENCE:

- THREAT
- STORAGE/TRANSPORT

ENVIRONMENTALS:

- DATABASES
- INSITU SAMPLING

EMPLOYMENT:

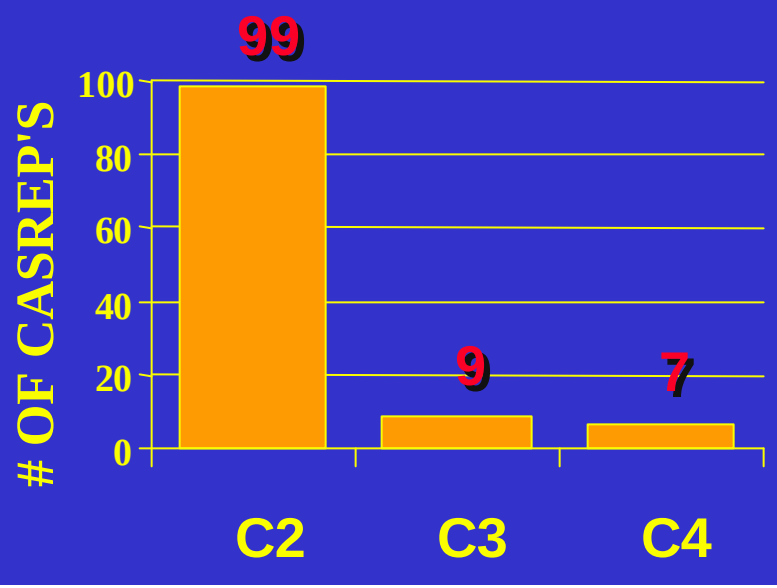
- AMCM PROVIDES SPEED

INCHON TG 97 vs INCHON TG 99-1

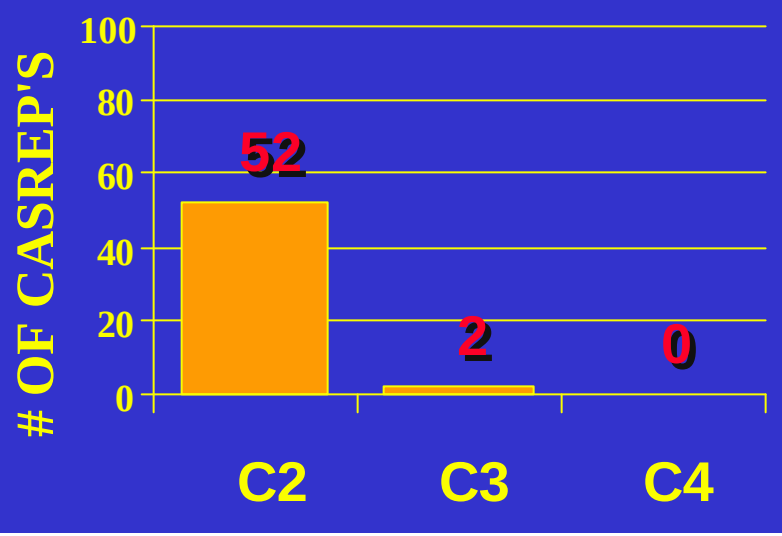
CASREP DATA COMPARISONS

BREAKDOWN OF CASREP CATEGORIES:

INCHON TG '97

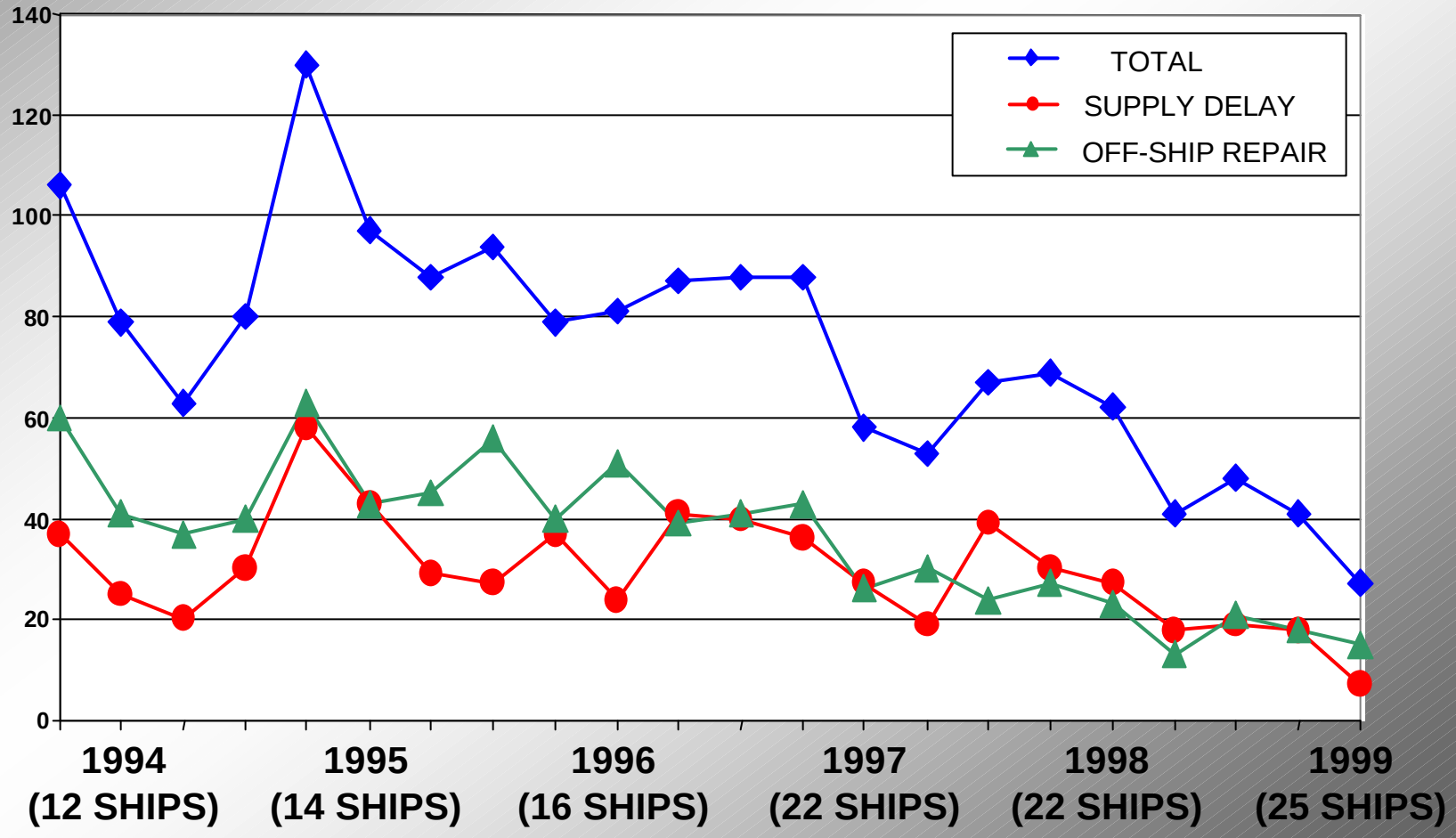


INCHON TG 99-1



CASREPS

AVERAGE NUMBER OF DAYS OF CASREP (C3/C4) DOWNTIME



QUESTIONS ?

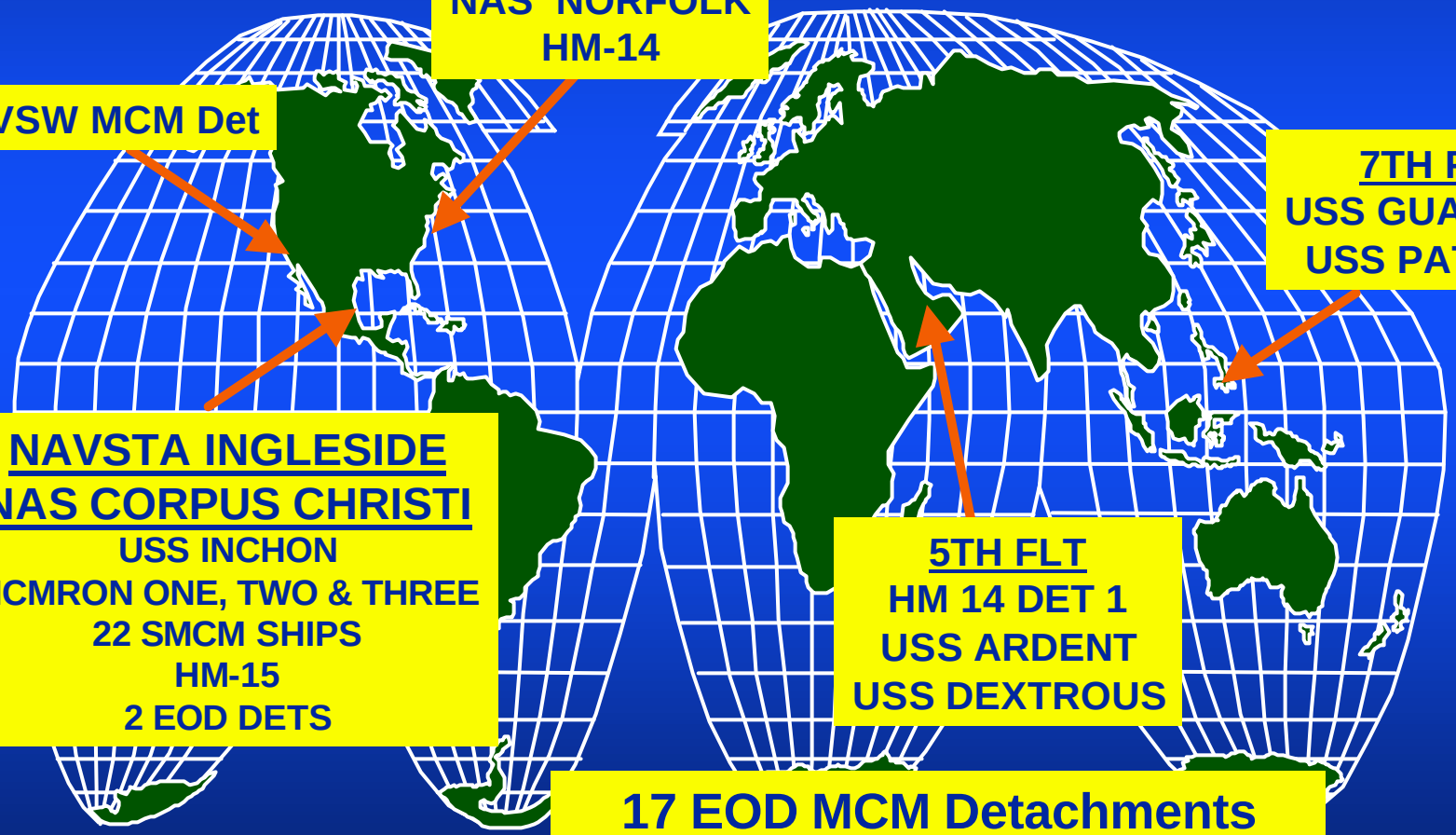
MINE WARFARE BRIEF

"…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

COMMODORE BUZZ BROUGHTON

MINE FORCE LOCATION



NAS NORFOLK
HM-14

VSW MCM Det

7TH FLT
USS GUARDIAN
USS PATRIOT

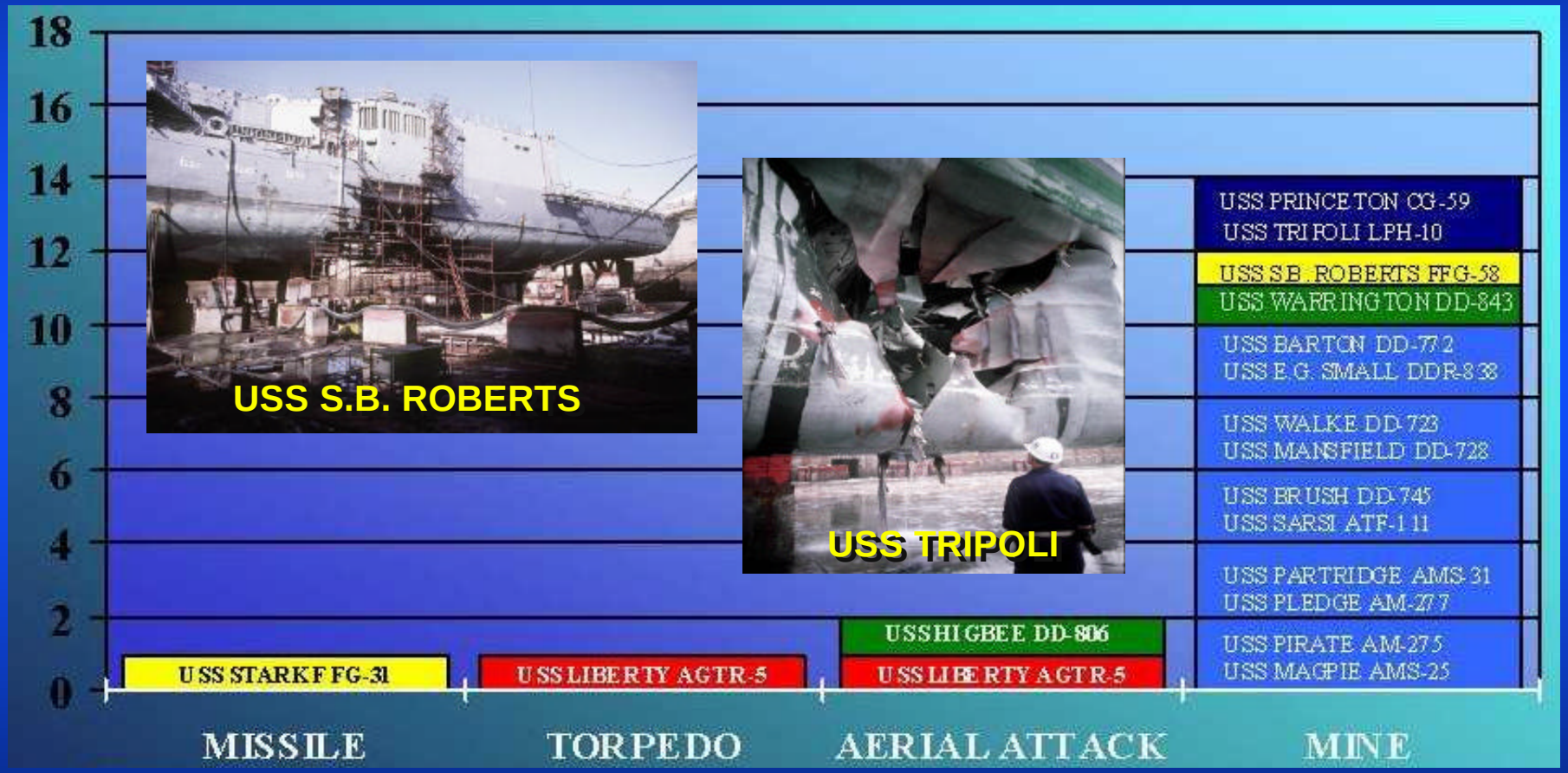
NAVSTA INGLESIDE
NAS CORPUS CHRISTI
USS INCHON
MCMRON ONE, TWO & THREE
22 SMCM SHIPS
HM-15
2 EOD DETS

5TH FLT
HM 14 DET 1
USS ARDENT
USS DEXTROUS

17 EOD MCM Detachments
10 Mobile Mine Assembly Units

U.S. SHIP CASUALTIES

1950 - PRESENT



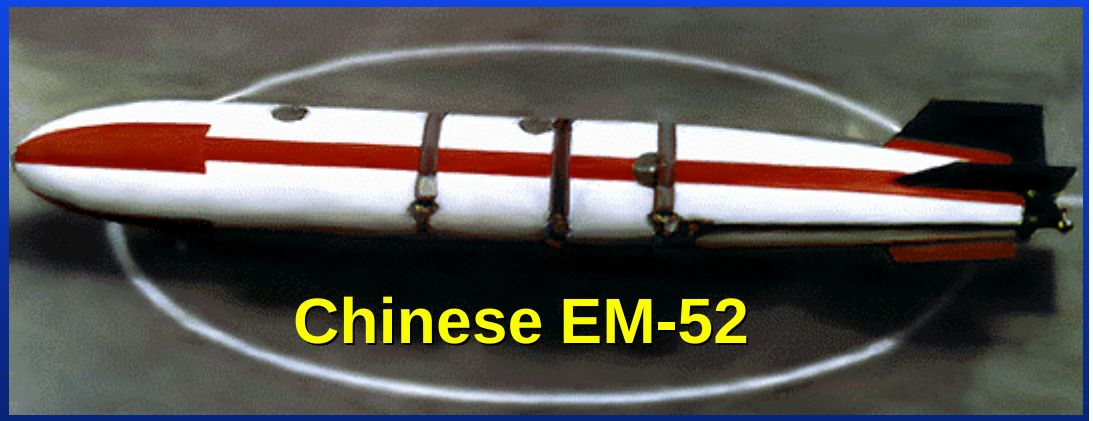
KOREA
ISRAEL
VIETNAM
TANKER WAR
DESERT STORM

MINE THREAT
THE CHALLENGE

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

Swedish Rockan

Italian Manta

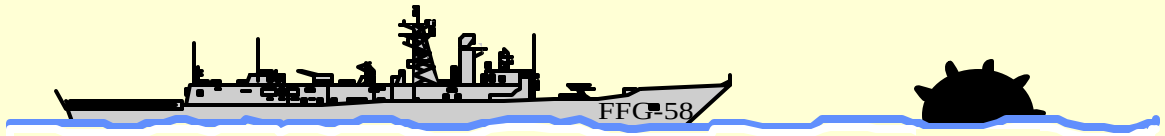

Chinese EM-52

MINES ARE WEAPONS

CHEAP AND EFFECTIVE

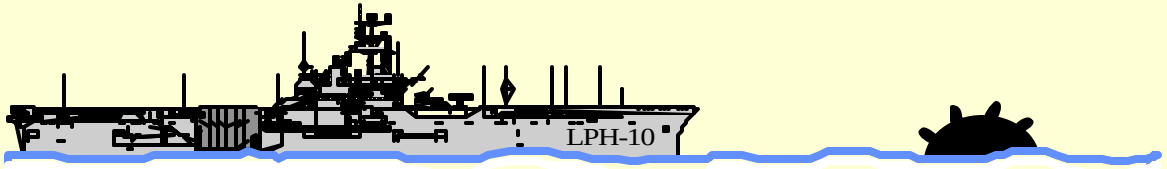
Mine Threat

"More Bang for the Buck"



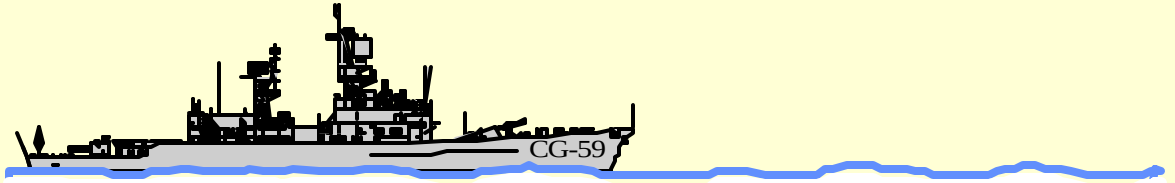
USS Samuel B. Roberts
Repair Cost = $96,000,000

$1,500



USS Tripoli
Repair Cost = $3,500,000

$1,500



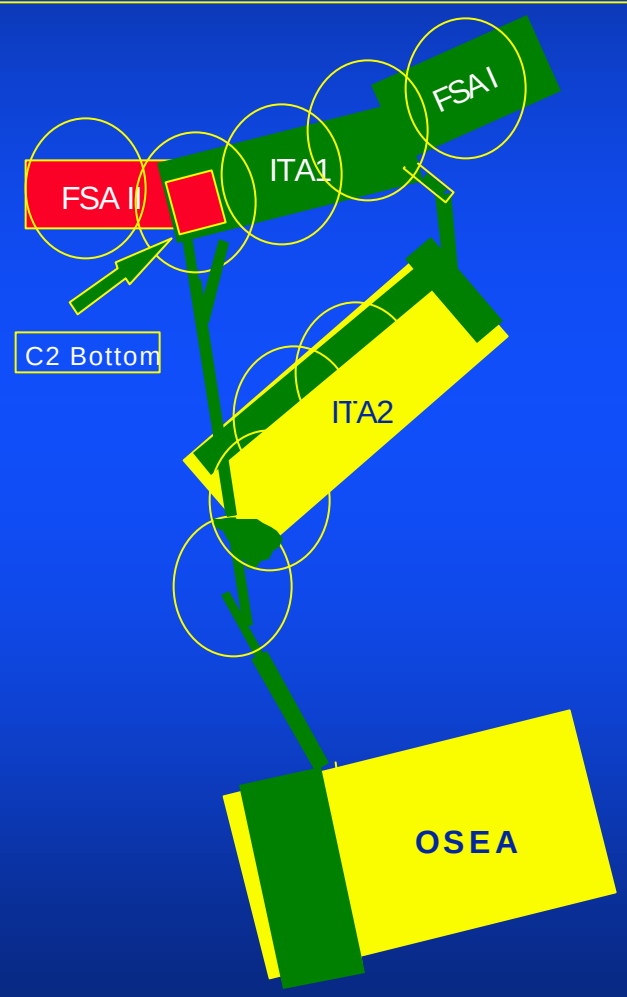
USS Princeton
Repair Cost = $24,000,000

$10,000

MISSION

THE CHALLENGE

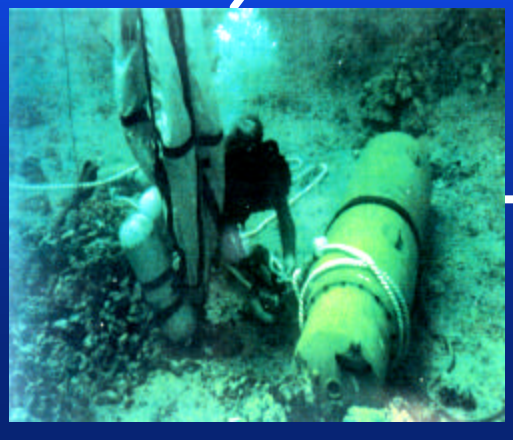
- **Provide the most maneuver area for joint and naval assets, in the least amount of time, with the least amount of residual threat to transitors, while incurring minimal risk to MCM platforms**



DEDICATED MCM VISION

"THE TRIAD"

EOD:
MCM DETS
MMS DETS
VSW DET



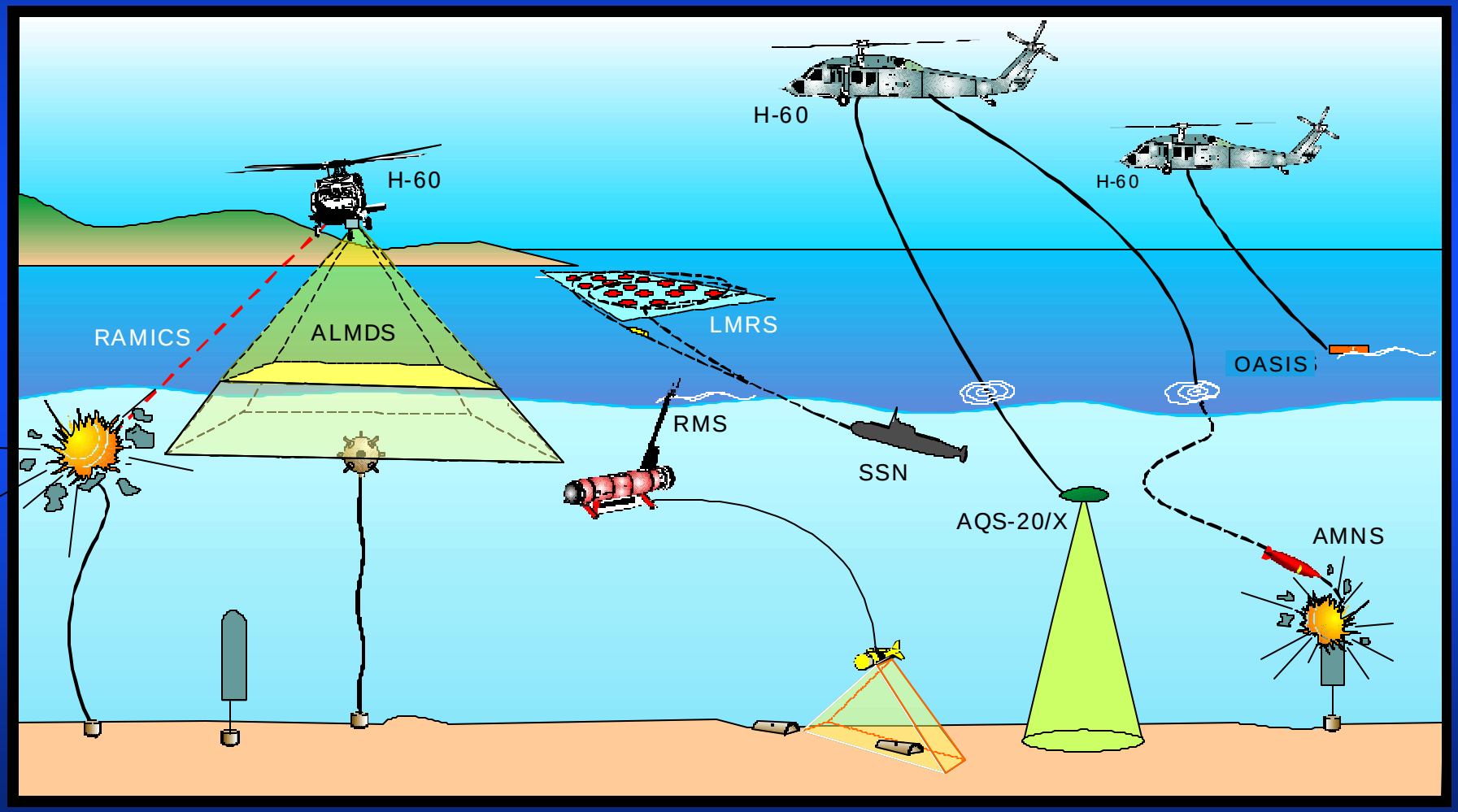
SMCM:
MCM CLASS
MHC CLASS

MCMRON
STAFFS:
MCMRON 1
MCMRON 2
MCMRON 3

ORGANIC MCM VISION

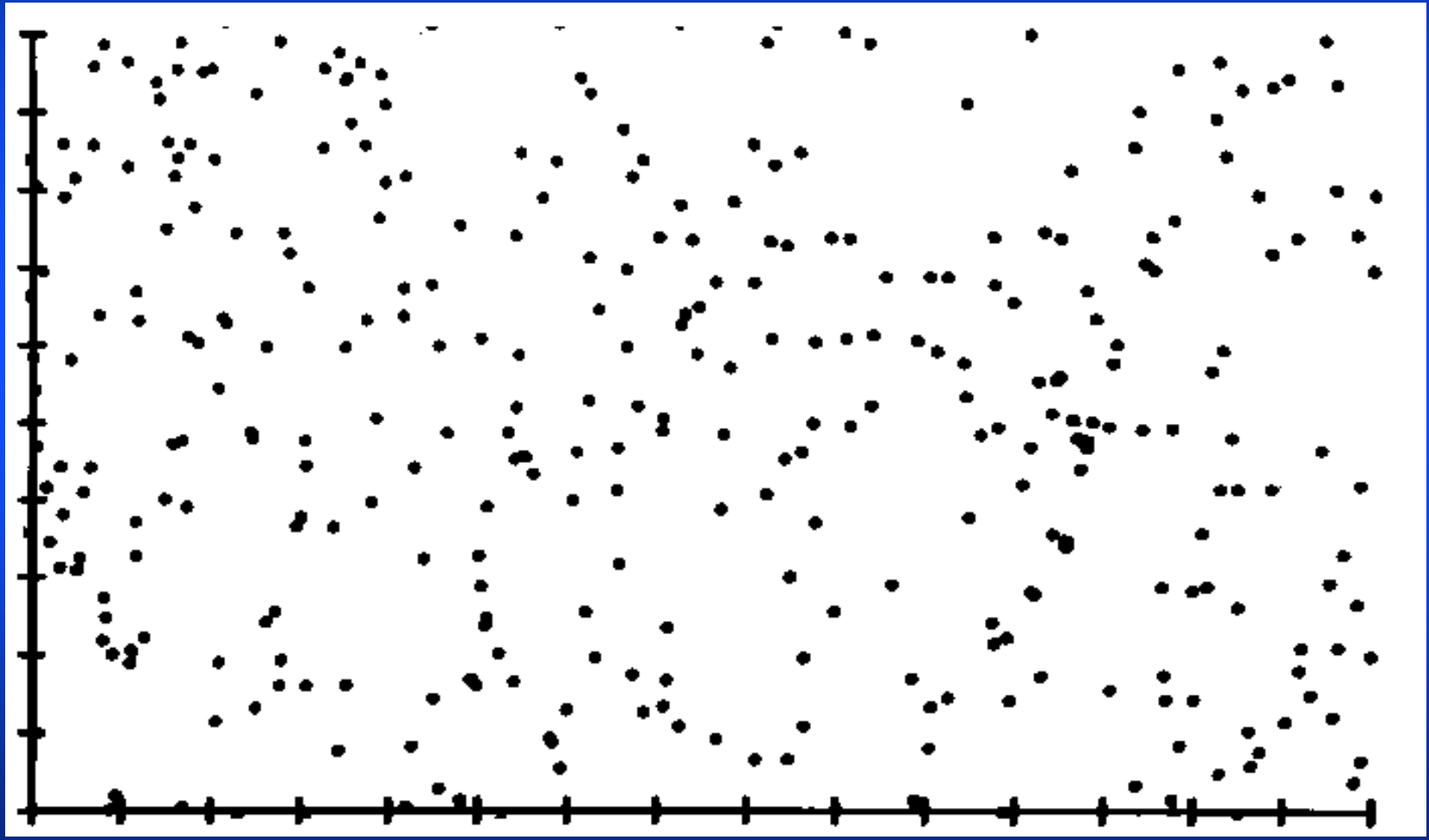
- Detect Presence or Absence Of Mines
  - Perform Basic Exploratory/Reconnaissance Operations
    - Has Mining Occurred?
    - To What Extent / Density?
    - Where are the Boundaries / Gaps?
- Operational Maneuver Options
  - Verify and Avoid OPAREA
  - Exploit Gaps
  - Limited Clearance / Neutralization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

ORGANIC MCM SYSTEMS



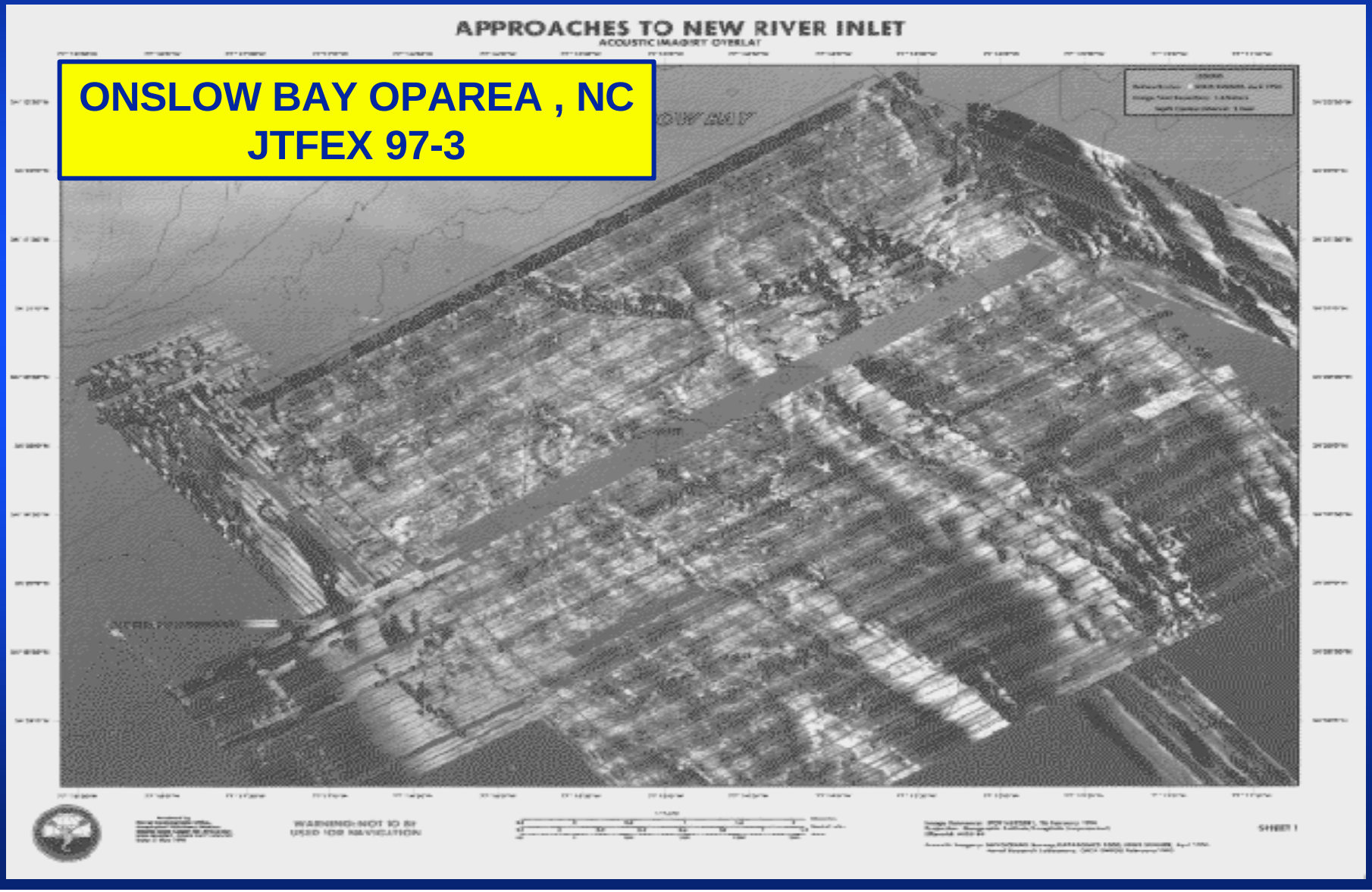
NOMBO DENSITY

(NON-MINE MINELIKE BOTTOM OBJECT)



(37.5 sq. nm OPAREA / 8 NOMBO's per sq. nm)

BOTTOM MAPPING



FY99 EXERCISE PARTICIPATION

- GOMEX 99-1 (2ND FLEET)
- GOMEX 99-2 (2ND FLEET)
- COOP TELOS (2ND FLEET)
- JTFEX 99-2 (2ND FLEET)*

- PAC JTFEX 99-1 (3RD FLEET)
- KB 99 (3RD FLEET)

- NEON FALCON 99 (5TH FLEET)
- RED REEF 98 (5TH FLEET)
- ARABIAN GUANTLET 99 (5TH FLEET)
- NAUTICAL SENTRY 99 (5TH FLEET)

- GLOBAL 99 (WARGAME)*

- OLIVE VERTES 99 (6TH FLEET)
- ALCUDRA 99 (6TH FLEET)

- FOAL EAGLE 98 (7TH FLEET)
- MALAYSIA MINEX (7TH FLEET)
- THAILAND MCMEX (7TH FLEET)
- MERCURY 99 (7TH FLEET)
- UFL 99 (7TH FLEET)*

*STAFF ONLY PARTICIPATION

USS INCHON SCHEDULED FOR 5TH AND 6TH FLEET EXERCISES BUT DIVERTED TO ADRIATIC SEA FOR OPERATION SHINING HOPE

FY00 EXERCISE SCHEDULE

- MERCURY 2000 (2ND FLEET)
- JTFEX 00-1 (2ND FLEET)
- UNIFIED SPIRIT (2ND FLEET)
- FBE “H” (2ND FLEET)

- PAC JTFEX 00-1 (3RD FLEET)
- PAC JTFEX 00-2 (3RD FLEET)
- RIMPAC 2000 (3RD FLEET)

- RED REEF 00-1 (5TH FLEET)
- FLEET BATTLE EXPERIMENT “F” (5TH FLEET)
- NAUTICAL SENTRY 00-1 (5TH FLEET)
- ARABIAN GAUNTLET (5TH FLEET)

- BELL BOTTOMS (6TH FLEET) *

- MCMEX 99-3JA (7TH FLEET)
- MCMEX 00-1JA (7TH FLEET)
- UFL 2000 (7TH FLEET) *
- FOAL EAGLE 99 (7TH FLEET)
- FOAL EAGLE 00 (7TH FLEET) *

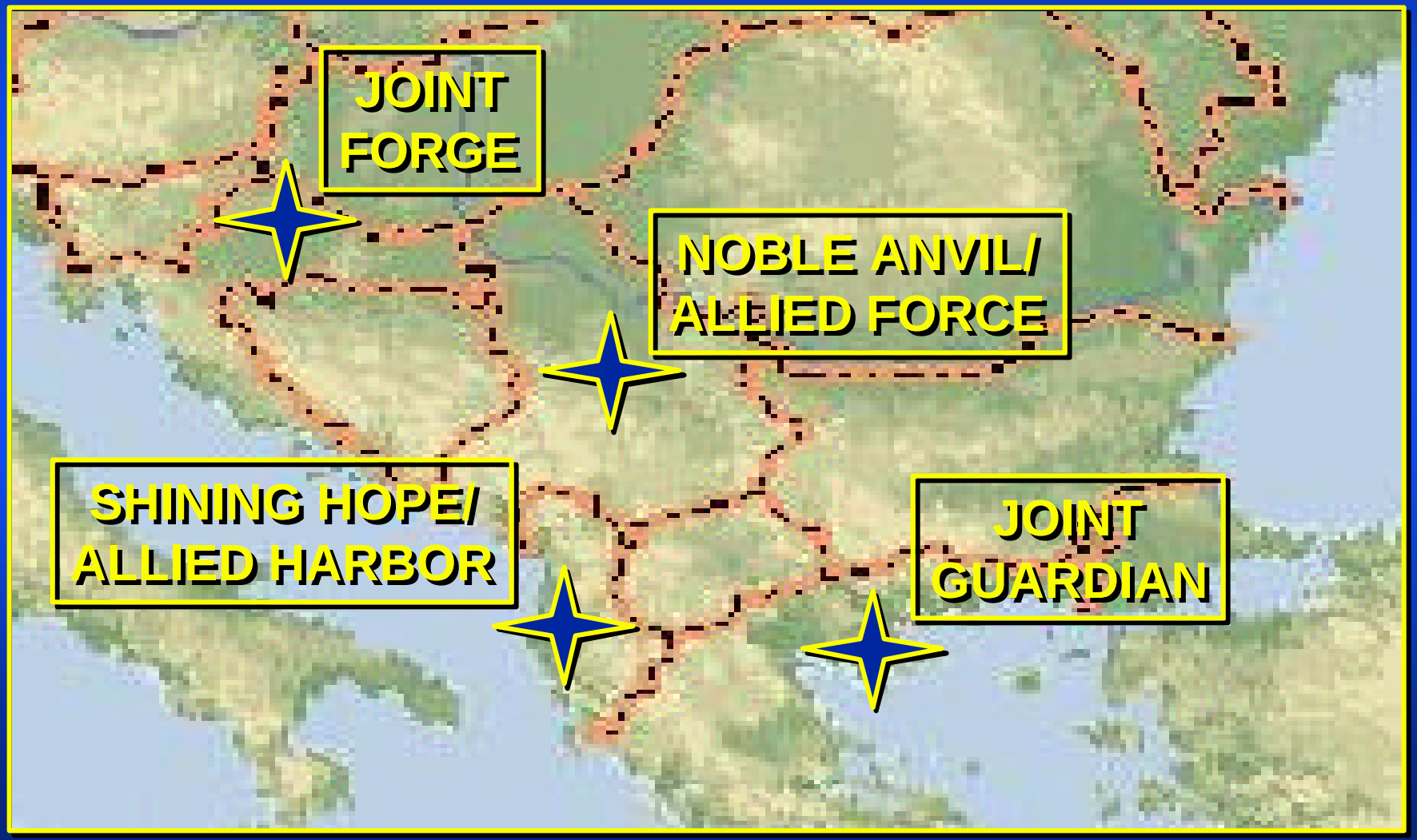
*STAFF ONLY PARTICIPATION

INCHON TASK GROUP

C6F OPERATIONS

MCM'S

BALKAN OPERATIONS



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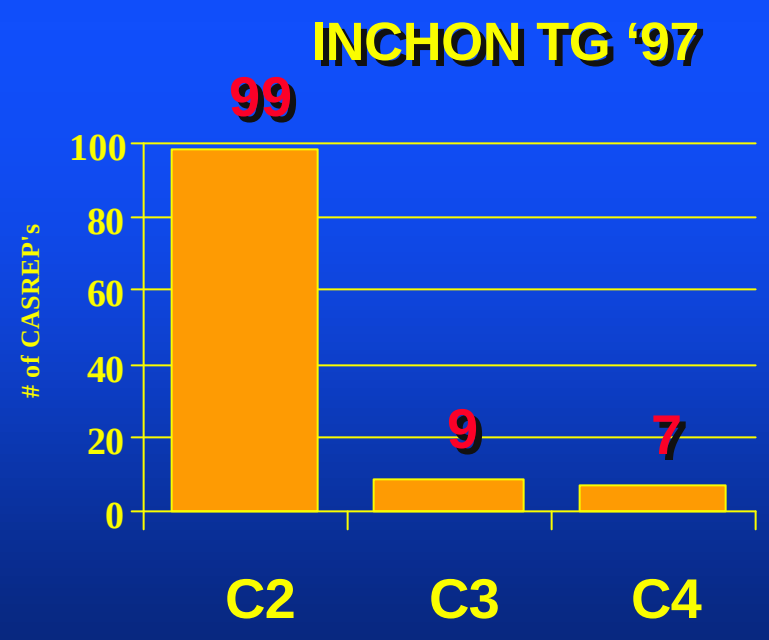
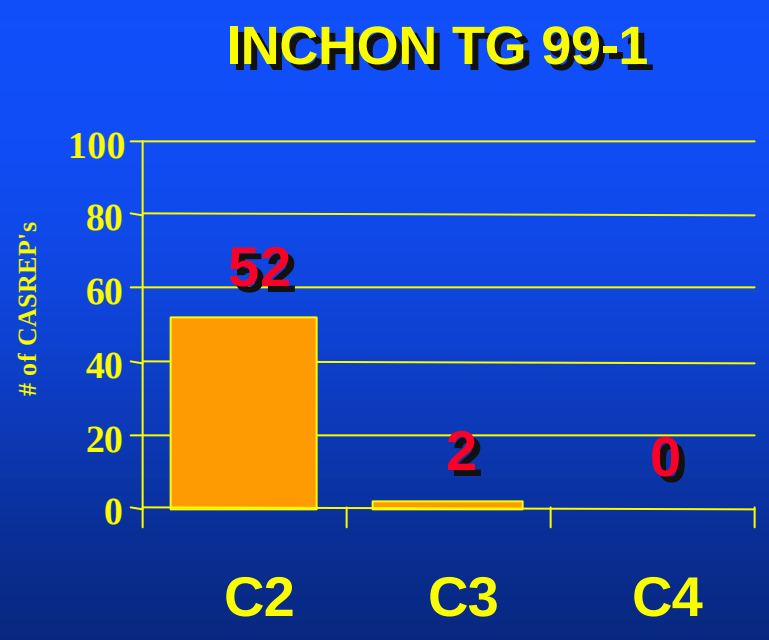
JOINT GUARDIAN	446	N/A	295,000 LB
TOTAL	7,788	80,000 LB	2,220,326 LB

INCHON TG 97 vs INCHON TG 99-1

CASREP DATA COMPARISONS

Breakdown of CASREP Categories:





QUESTIONS?

BACKUPS

TAKE-AWAYS

- MCS FOLLOW-ON
- MAINTAIN A MINING CAPABILITY
- END-TO-END CAPABILITY FOR AMCM (PROTECT THE MH-53E)
- MCM FORCE RELIABILITY AND CAPABILITY
- QUALITY OF LIFE
- ORGANIC/DEDICATED COMPLEMENT EACH ANOTHER

ORGANIC MCM

WHAT IS ORGANIC?

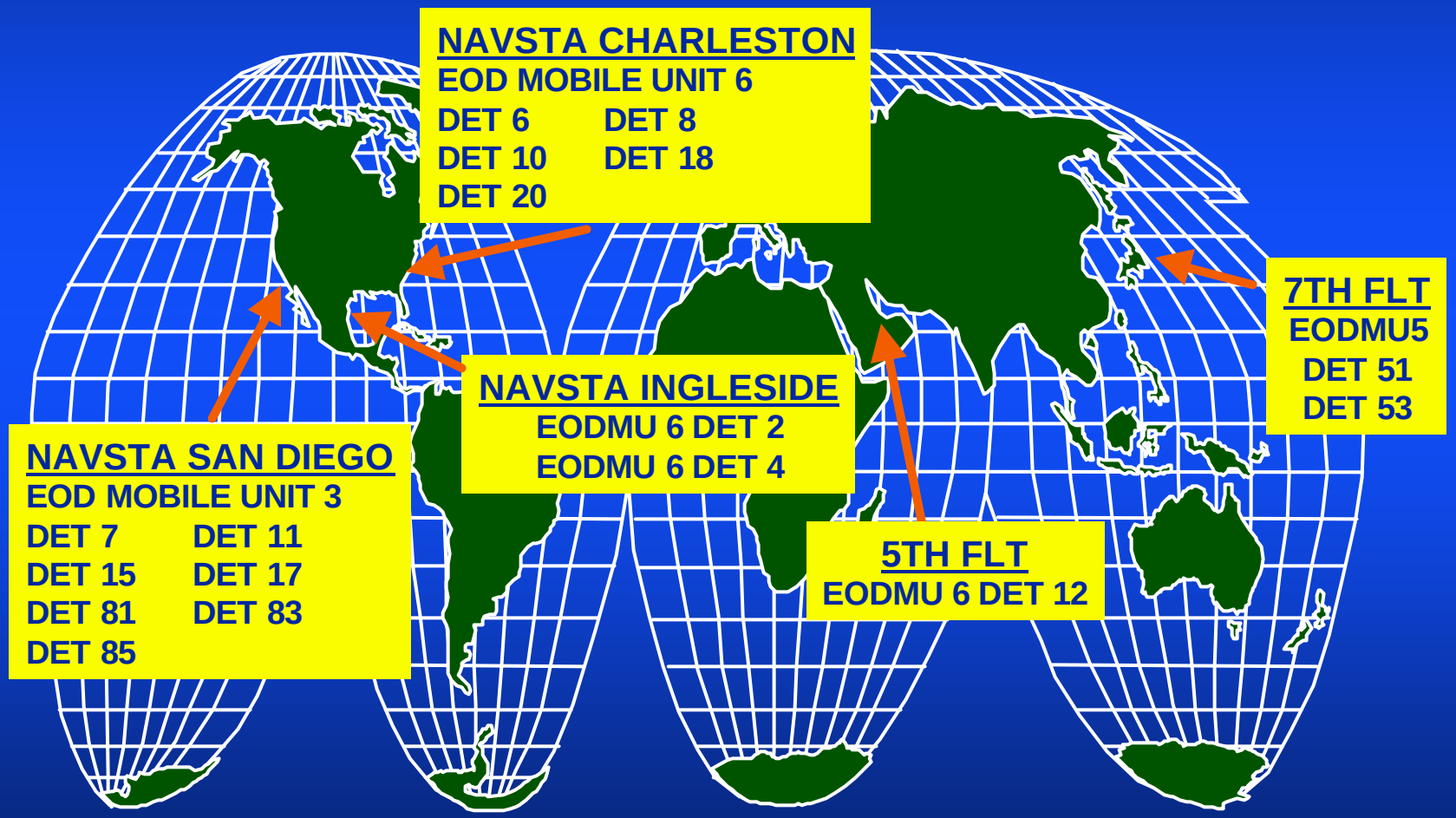
- THE ABILITY TO CONDUCT MCM WITH ASSETS EMBEDDED IN THE CARRIER AND AMPHIBIOUS TASK GROUPS
- IT IS A CONCEPT NOT JUST HARDWARE

✓TECHNOLOGY
✓MAINTENANCE
✓DOCTRINE
✓TACTICS
✓TRAINING

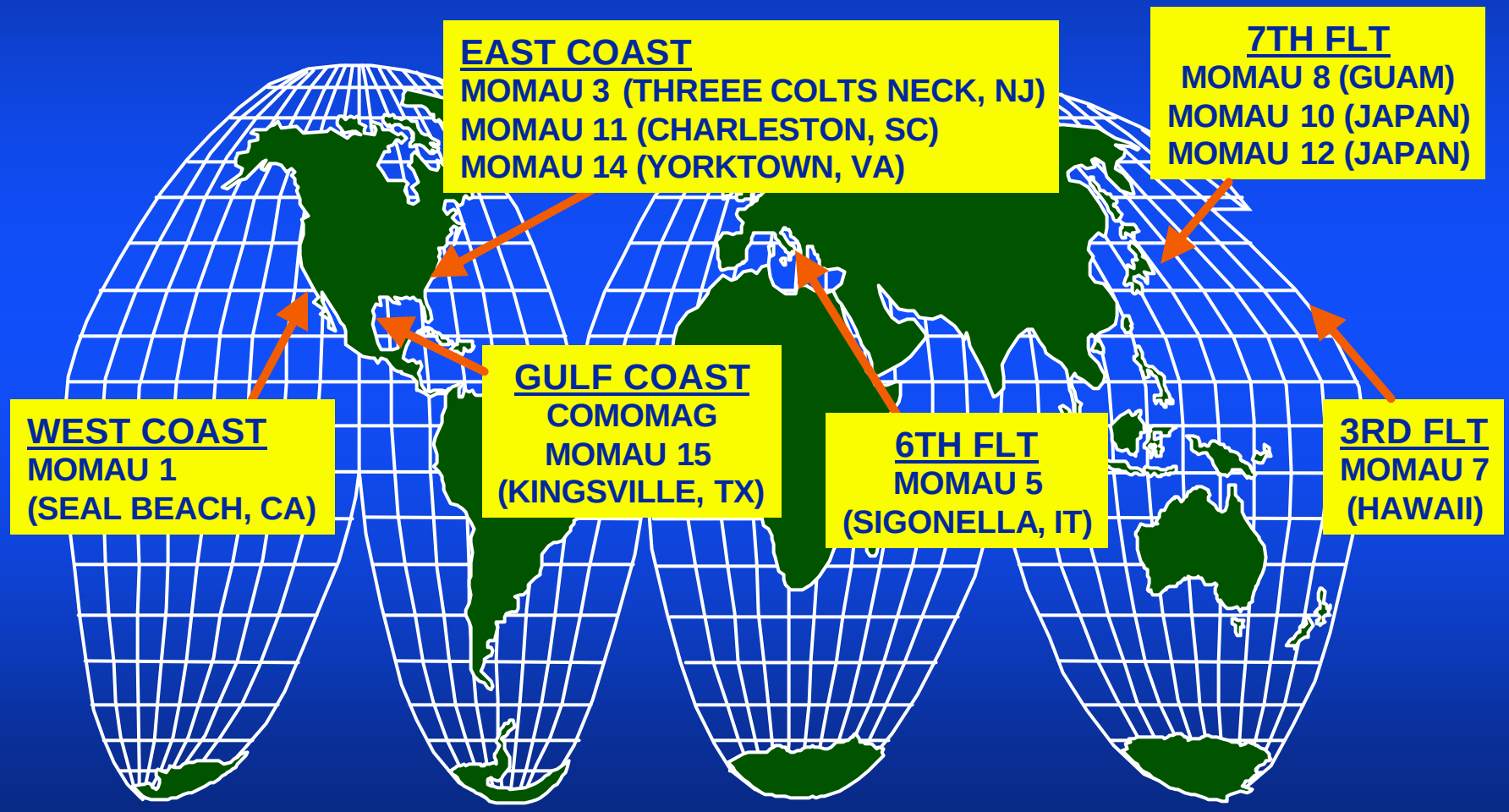
→

FLEET COMMITMENT TO MCM MISSION

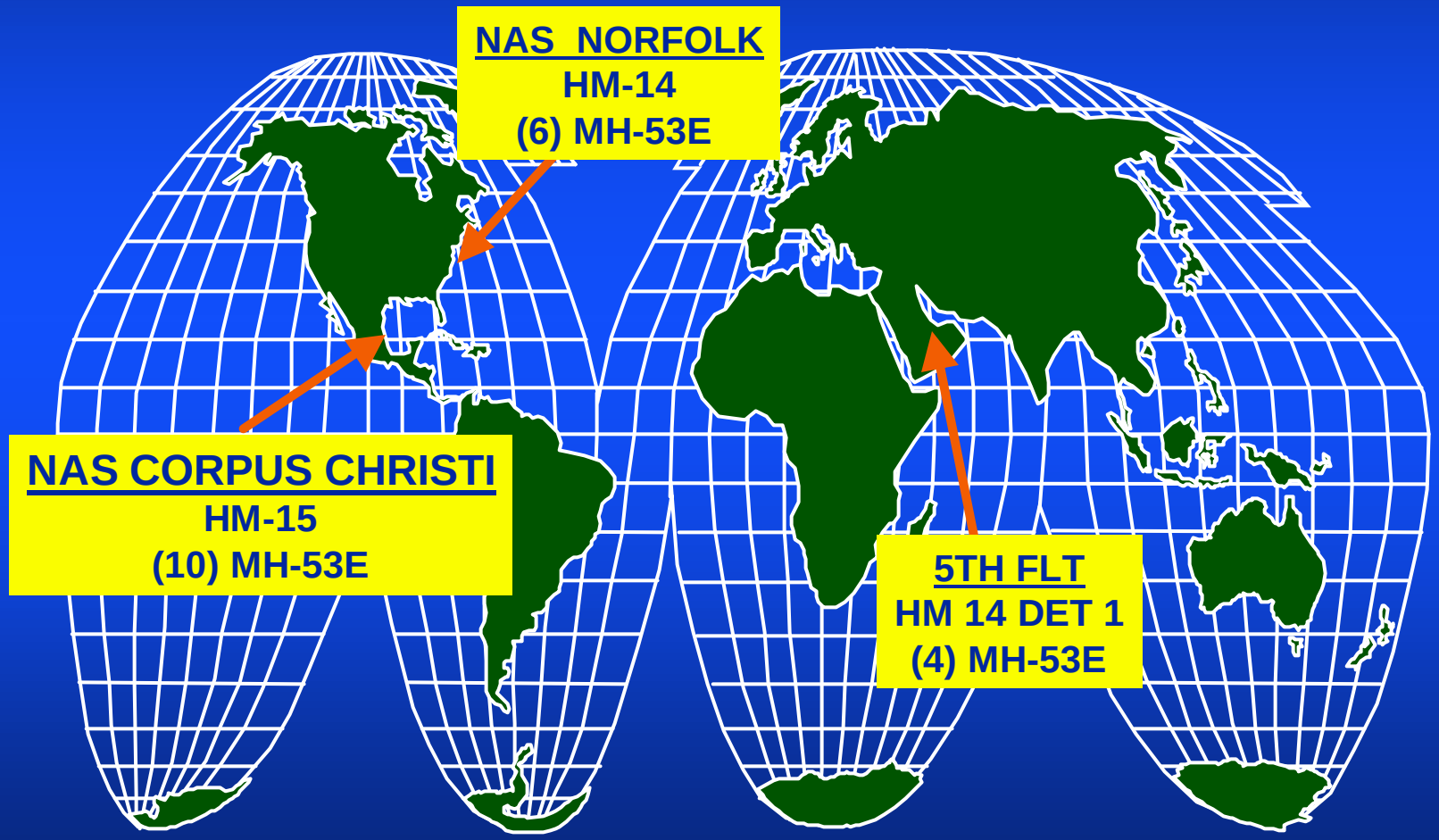
EOD LOCATION



MINING LOCATION



AMCM LOCATION



USS INCHON (MCS 12)

- ✓ 592 ft LOA
- ✓ 112 ft Beam
- ✓ 26 ft Draft
- ✓ 18,300 Tons
- ✓ 46 Officers / 600 Enlisted
- ✓ 8 MH-53E/ 2 CH-46 Aircraft / EOD Detachments Embarked
- ✓ Command and Control
- ✓ SMCM / AMCM / UMCM Support

AMCM: MH-53E

- ✓ HM-14 / HM-15
- ✓ 20 Aircraft Total
- ✓ 150 kts / 450 NM Range
- ✓ 5 to 7 Man Crew
- ✓ Mechanical Sweep (Mk 103)
- ✓ Influence Sweep (Mk 104, Mk 105)
- ✓ Minehunt (AQS-14A Sonar)

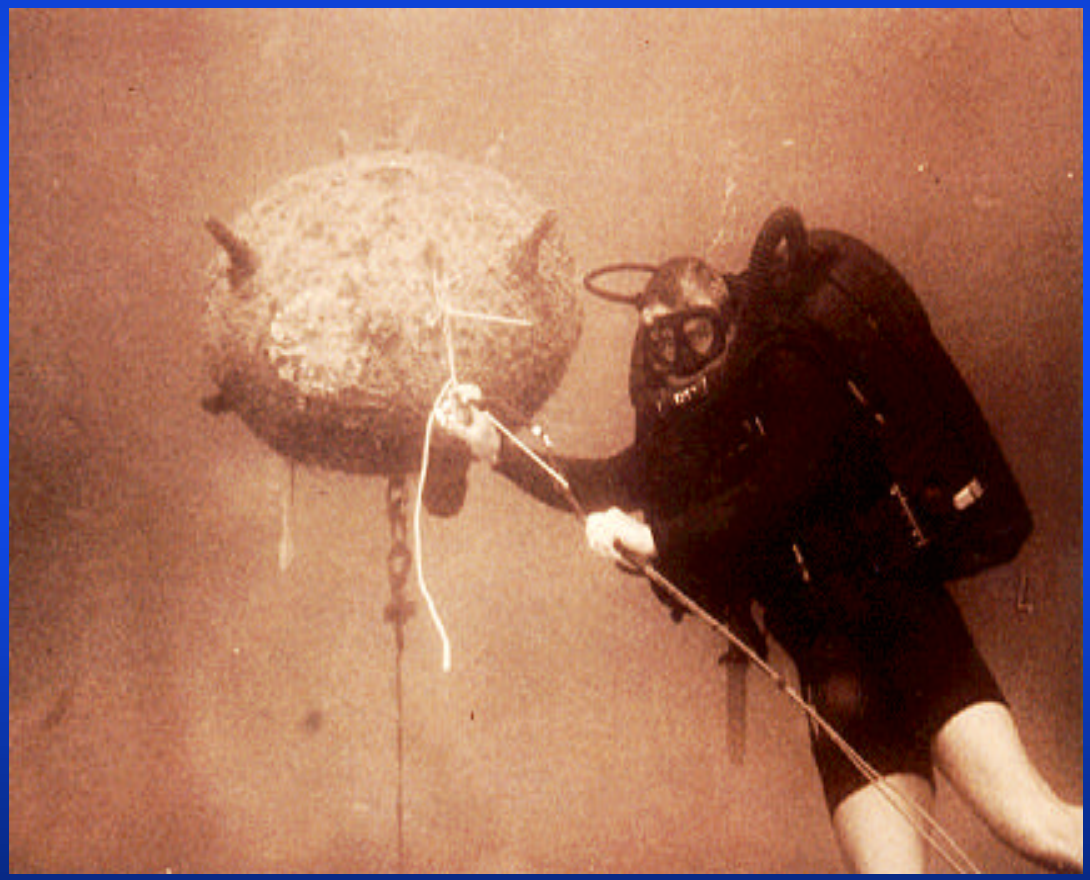
SMCM: MCM-1 Class

- ✓ 225’ LOA
- ✓ 38.5’ Beam
- ✓ 13’ Draft
- ✓ 1200 Ton
- ✓ 6 Officers
- ✓ 75 Enlisted
- ✓ Minehunt (SQQ-30 / 32)
- ✓ Neutralization (SLQ-48)
- ✓ Minesweeping

SMCM: MHC-51 Class

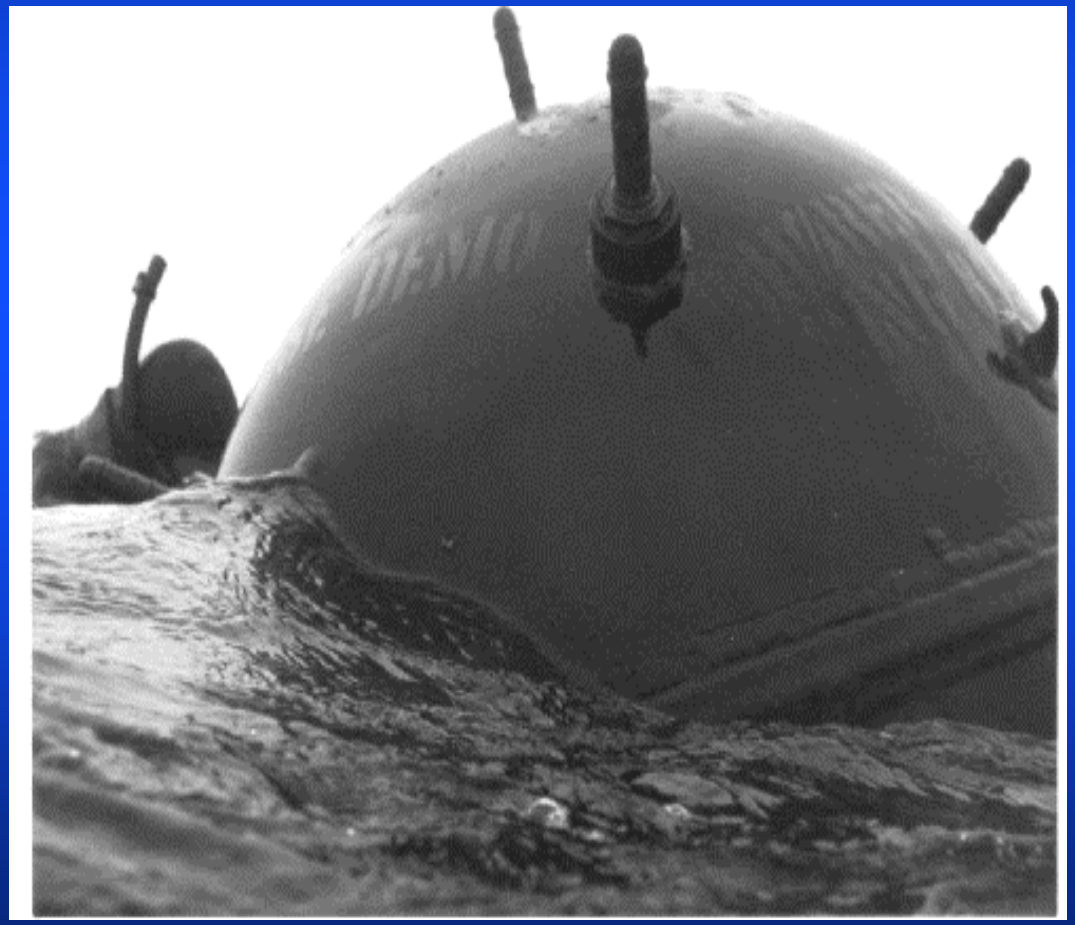
- ✓ 188’ LOA
- ✓ 36.1’ Beam
- ✓ 13’ Draft
- ✓ 900 Ton
- ✓ 5 Officers
- ✓ 46 Enlisted
- ✓ Minehunt (SQQ-32)
- ✓ Neutralization (SLQ-48)

UMCM: EOD



- ✓ 17 Mobile MCM Detachments
- ✓ <u>Detachment:</u> 1 Officer and 7 Enlisted
- ✓ PQS-2A Sonar
- ✓ Mk 16 Non-Magnetic UBA

UMCM
VSW Detachment

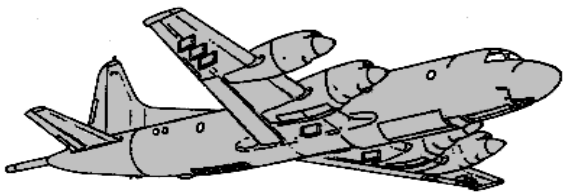


- ✓ USN EOD / SEAL
- ✓ USMC Force Recon
- ✓ 6 Officers
- ✓ 58 Enlisted
- ✓ Low Observable Mine and Obstacle Reconnaissance

UMCM: Mk 4 / Mk 7

- ✓ Mk 4 : Moored
- ✓ Mk 7 : Bottom
- ✓ 12 Mammals
- ✓ 1 Detachment for both Systems
- ✓ Delivers Neutralization Charges

MINING
Mobile Mine Assembly Group



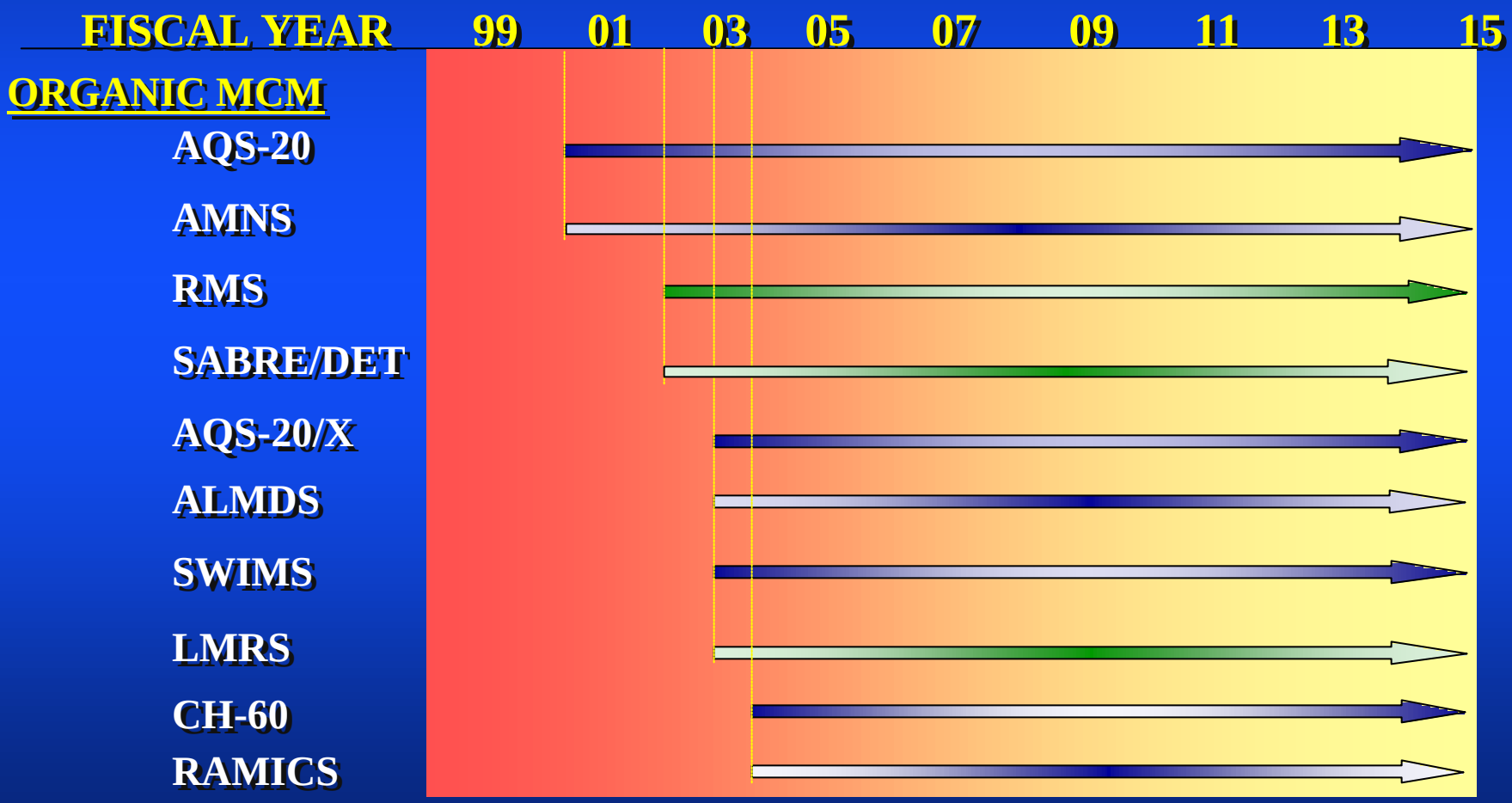
- ✓ 9 Units / 1 Det Worldwide

- ✓ USN Mine Stockpile Maintenance
- ✓ Deployable Mine Preparation Teams
- ✓ Exercise and Training Mine Support
- ✓ Mine Delivery Scoring Services
- ✓ Mine Field Planning for all CinCs

COMINEWARCOM MISSION

- Responsible to CINCLANTFLT for Training, Tactics and Readiness of all Mine Warfare Forces.
- ADDU to CPF and CNE. Technical advisor to SACLANT
- Responsible for:
  - ✓ 3 MCM TACTICAL SQUADRONS
  - ✓ USS INCHON AND 26 SMCM SHIPS
  - ✓ 20 AIRCRAFT
  - ✓ 17 MCM EOD DETACHMENTS
  - ✓ 10 MOBILE MINE ASSEMBLY UNITS
  - ✓ 3500+ PERSONNEL

ORGANIC MCM
THE WAY AHEAD

- DEVELOP ORGANIC MCM WITH SYSTEMS APPROACH
  - Define what organic is and is not
  - Develop concept, hardware and operators
  - "Tool kit" still required (no silver bullets)
  - Define Dedicated to Supporting / Organic mix evolution
  - Design organic sensor platforms in concert with other warfighting missions

ORGANIC MCM SYSTEM IOC TIMELINE