70% of the surface is water

80% of the world’s population lives within 100 miles of the coast

AMERICA’S NAVY

OPERATE FORWARD: Strategic Maritime Crossroads
90% of global trade (by volume) travels by water

70% by value travels by water
There are 6 crossroads thru which world trade crosses
Being where it matters; when it matters
Total: 286 Ships
Deployed: 99 Ships
51,000 personnel

Transit Times (in days)

East Coast - Suez Canal: 15
East Coast - Strait of Hormuz: 24
East Coast - Strait of Malacca: 31
West Coast - Yokosuka: 14
West Coast - Strait of Hormuz: 32
West Coast - Strait of Malacca: 23

Ships deployed (Avg Last 90 Days)

~52 ships (42 non rotational)
~30 ships (11 non rotational)
~14 ships (3 non rotational)
~2 ships
~187 ships
~1 ship

TODAY'S
OPERATE FORWARD:
Strategic Maritime Crossroads

21 Oct 13
Bases
- East Coast - Suez Canal: 15
- East Coast - Strait of Hormuz: 24
- East Coast - Strait of Malacca: 31
- West Coast - Yokosuka: 14
- West Coast - Strait of Hormuz: 32
- West Coast - Strait of Malacca: 23

Transit Times (in days)
- ~2/3/3 ships (42/53/53 non rotational)
- ~51/62/62 ships
- ~24/33/35 ships (11/18/20 non rotational)
- ~11/14/14 ships (3/10/10 non rotational)
- ~3/2/2 ships (1/1/1 non rotational)
- ~2/3/3 ships

FY2014 / 18 / 20 Avg
Total: 280/290/295 Ships
Deployed: 91/114/116 Ships

TOMORROW'S NAVY
OPERATE FORWARD: Strategic Maritime Crossroads

21 Oct 13
Backup Slides
Naval Presence 2020
Under Sequestration

Total: 257 Ships (-38)
Deployed: 96 Ships (-20)
50,000 personnel
Littoral Combat Ship Modularity
Littoral Combat Ship (Independence Variant)
Littoral Combat Ship Modularity
Mobile Landing Platform (Montford Point MLP-1)
Mobile Landing Platform (USNS Montford Point)
Mobile Landing Platform (USNS Montford Point)
Joint High Speed Vessel (USNS Spearhead)
Joint High Speed Vessel – Troop Seating
X-47B: UCAS
Take off from USS GEORGE H. W. BUSH: 14 May 2013
Laser Weapon System – USS DEWEY (DDG 105)
Gun-fired solution for missions currently accomplished by missiles:
  
  - GPS-guided rounds; up to 110 mi range
  - *Dramatically shifts cost in our favor:*
    - $25k per round
    - USN missile ~$1-22M
    - Adversary missile ~$1-7M

**Missions:**
- Anti-air warfare
- Anti-surface warfare
- Extended-range land attack
- Ballistic missile defense
- Cruise missile defense
Griffin Missile on Cyclone-class PC
USW All-Domain Approach
USS AMERICA (CV 66) Vestfjord, Norway
Arctic Ice Coverage

Russia

Norway

North Pole

~1 SSN

~14 Ships

~53 Ships
(42 non rotational)

Alaska

Canada

Northern Sea Route

Northwest Passage

Crossroads