Library

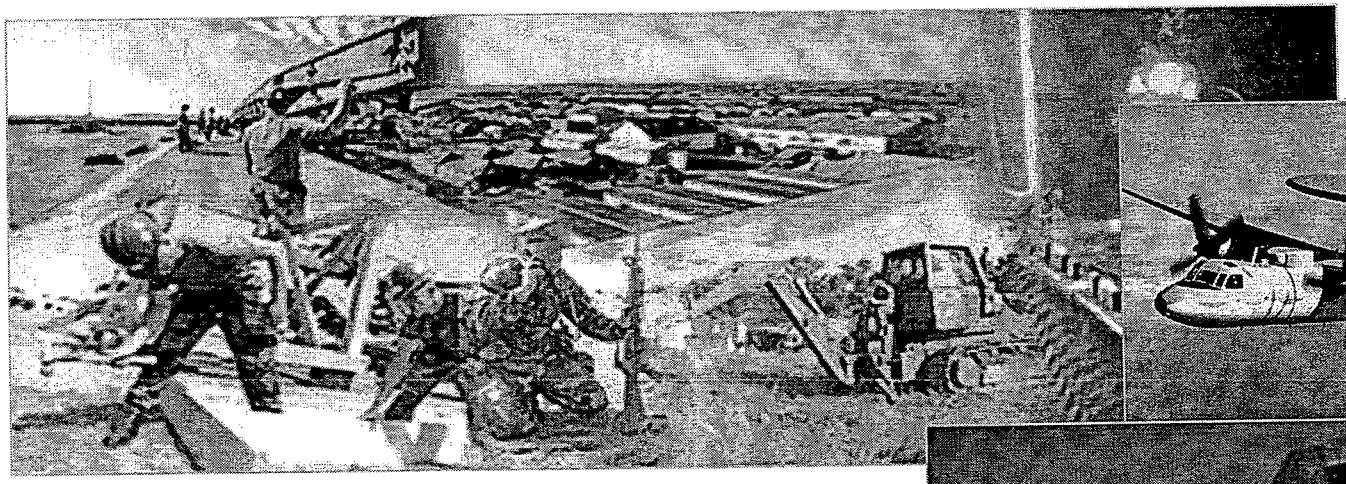
Naval Base Ventura County

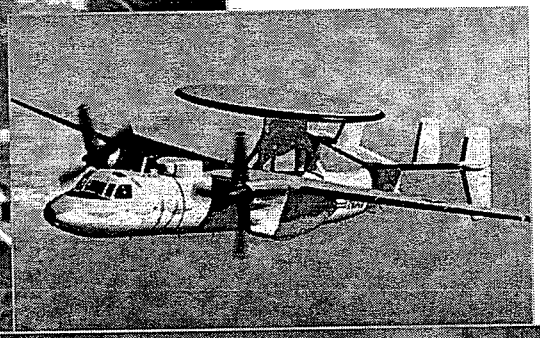
CAPT Paul Grossgold

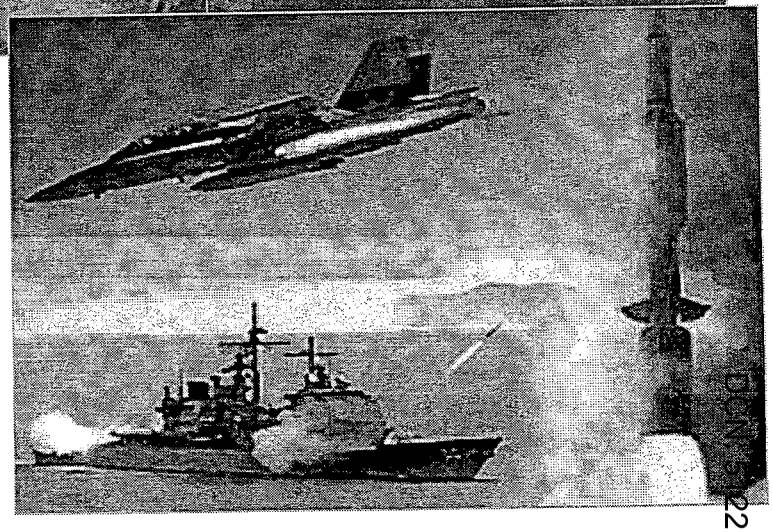
07 July 2005

DCN: 5122

Naval Base Ventura County







"We are a base team dedicated to providing the highest level of support and quality of service for all operating forces and tenants at Naval Base Ventura County"

Naval Base Ventura County

- Navy's only deep water port between San Diego and Puget Sound
- Unencroached coastal Air Field
- Navy's West Coast Sea Test Range
- Supports multiple DOD missions
  - Basing and training of active and reserve forces
  - Air and ship weapons and systems development and testing
  - Multi-service mobilization

DCN: 5122

CBC Port Hueneme

Home of the Pacific Seabees

Supports Mobilization, Test and Evaluation
and In-Service Engineering Missions

3 Navy, 1 Joint Use and
2 Commercial Wharves

Railway Accessible

DCN: 5122

NAS Point Mugu

Home of the West Coast Hawkeye's

Integral to Sea Test Range

11,000 ft Main Runway

Unencroached

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San Nicolas Island

Transferred to NBVC 1 Oct 2004

Integral to Sea Test Range

10,000 ft Main Runway, C-5/141 Capable

Unencroached (Air/Sea)

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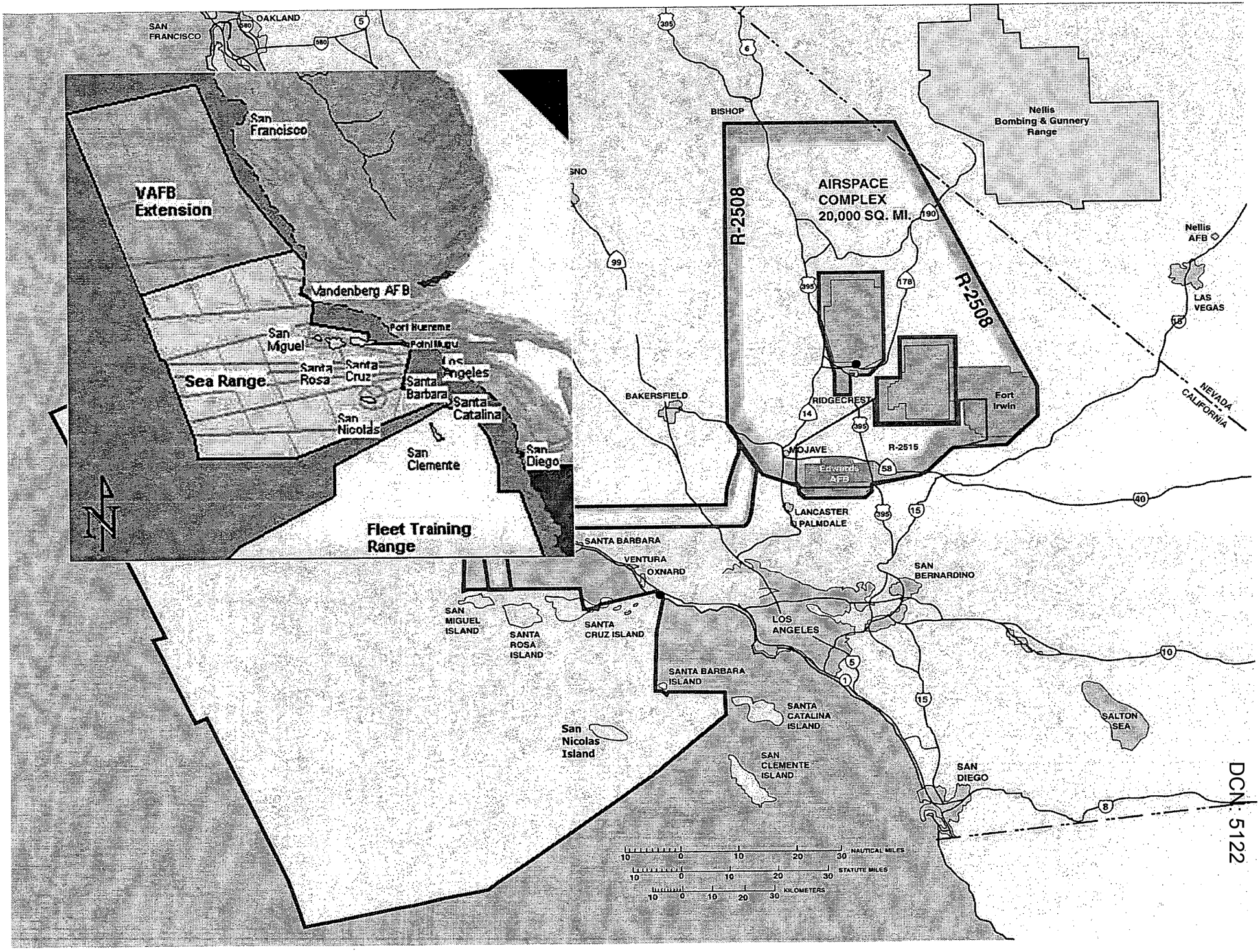
SAN FRANCISCO
OAKLAND
San Francisco
VAFB Extension
Vandenberg AFB
Port Hueneme
Point Mugu
Los Angeles
San Miguel
Santa Rosa
Santa Cruz
Santa Barbara
Santa Catalina
Sea Range
San Nicolas
San Clemente
San Diego
Fleet Training Range
N
BISHOP
Nellis Bombing & Gunnery Range
AIRSPACE COMPLEX 20,000 SQ. MI.
R-2508
R-2508
Nellis AFB
LAS VEGAS
NEVADA
CALIFORNIA
BAKERSFIELD
RIDGECREST
Fort Irwin
MOJAVE
Edwards AFB
R-2515
LANCASTER
PALMDALE
SANTA BARBARA
VENTURA
OXNARD
SAN BERNARDINO
SAN MIGUEL ISLAND
SANTA ROSA ISLAND
SANTA CRUZ ISLAND
LOS ANGELES
SANTA BARBARA ISLAND
SANTA CATALINA ISLAND
SALTON SEA
San Nicolas Island
SAN CLEMENTE ISLAND
SAN DIEGO
NAUTICAL MILES
STATUTE MILES
KILOMETERS

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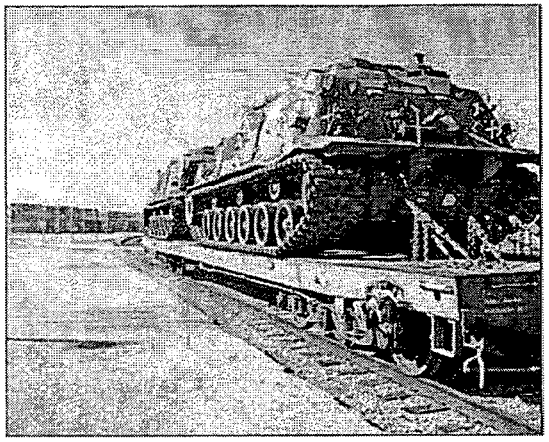
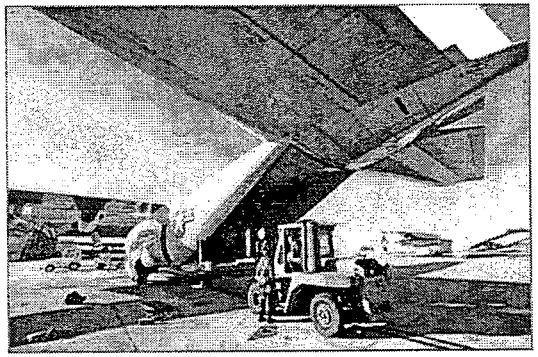
Mobilization Infrastructure

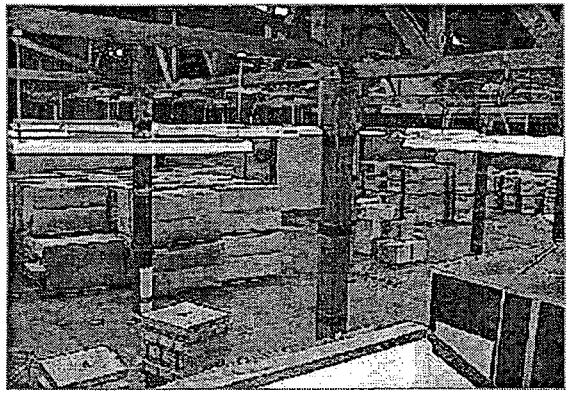


Railhead

Laydown

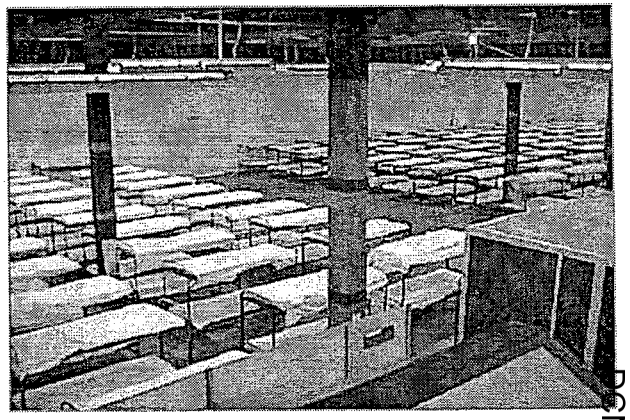


Air Field



Warehousing

Deep Water Port



Transient Berthing/Messing

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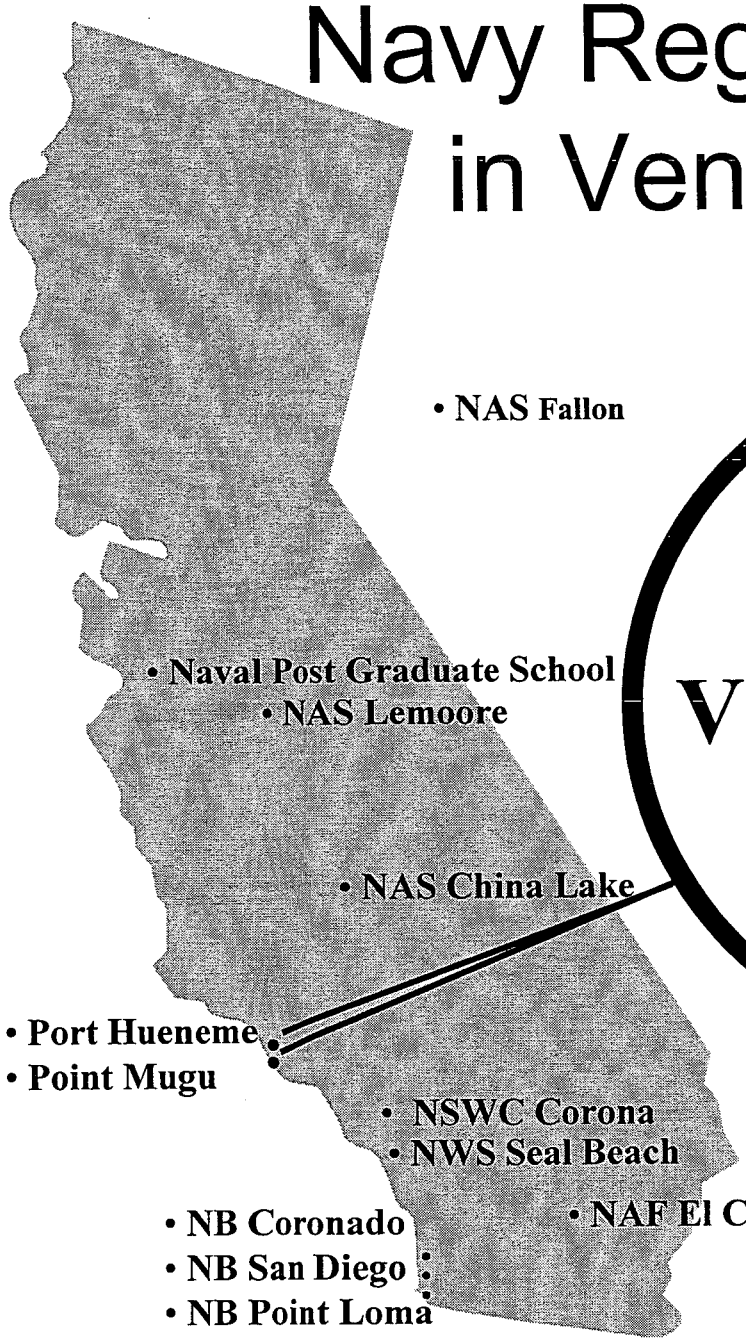
Navy Region Southwest in Ventura County



Naval Base Ventura County

$1.7B Salaries

Largest single employer in Ventura County !

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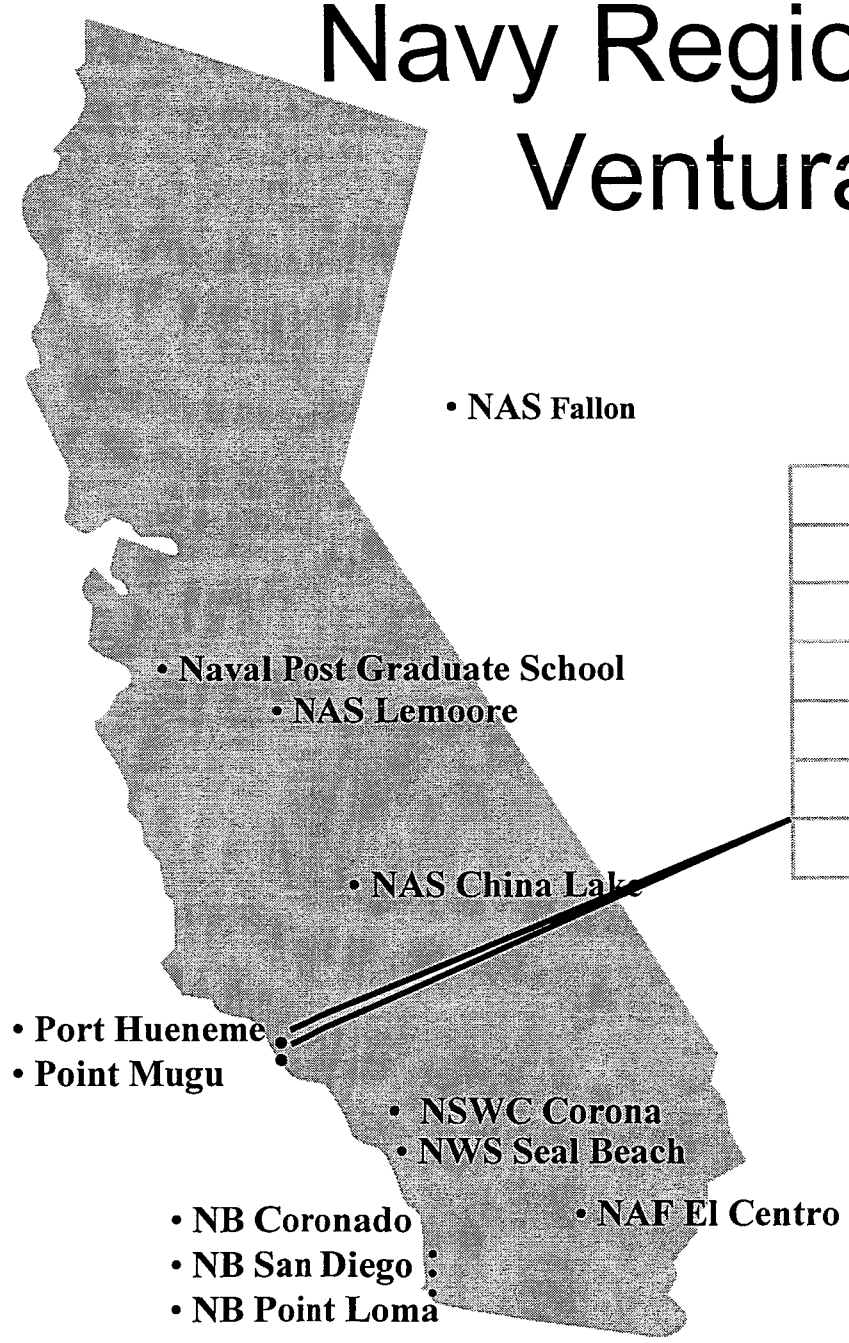
Navy Region Southwest
Ventura County



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Major Missions

- **Fleet Operational Commands**
  - **Airborne Early Warning Wing Pacific**
  - **31st Seabee Readiness Group**

- **RDT&E - ISE**
  - Naval Air Warfare Center
  - Naval Surface Warfare Center
  - Naval Facilities Engineering Service Center

- **Others**
  - Naval Facilities Expeditionary Logistics Center
  - Naval Satellite Operations Center
  - Navy Education and Training Centers
  - Reserve Squadrons / Centers California Air National Guard

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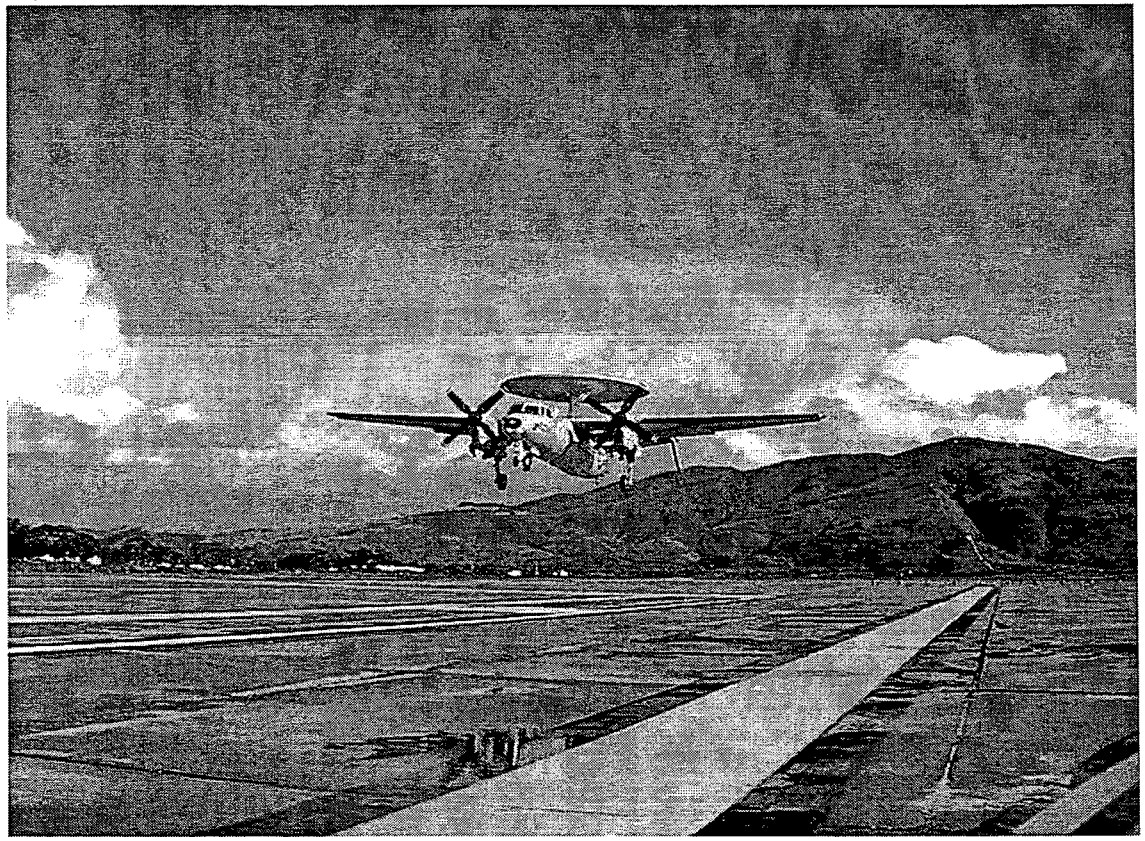
Commander
Airborne Early Warning Wing
U.S. Pacific Fleet



- Headquarters of the U.S. Pacific Fleet E-2C Hawkeye community
- 5 E-2C Squadrons (4 at NBVC, 1 in Japan)
- 1 C-2 Squadron at NAS North Island San Diego
- Weapons Tactics Unit
- AIMD/ Sea OPDET
- Simulators

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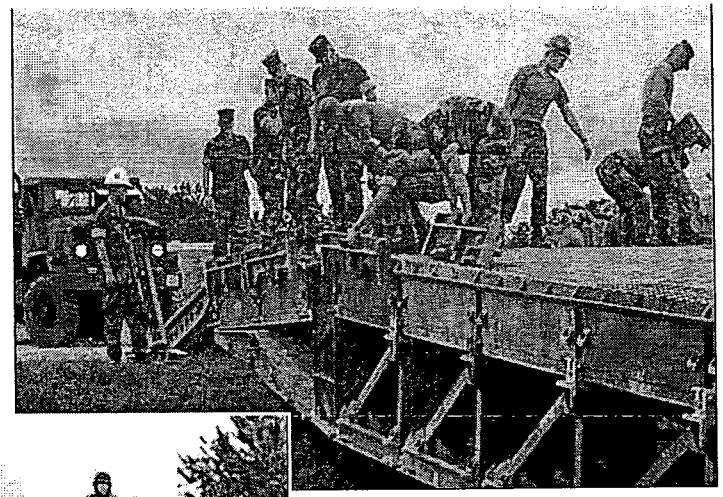
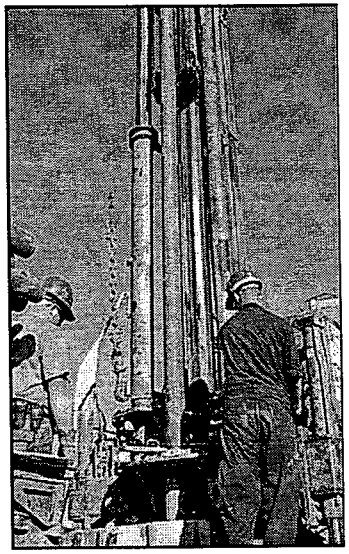
Home of the Pacific Seabees





SEABEES

"We Build, We Fight"

- 31st Seabee Readiness Group
- 4 Naval Mobile Construction Battalions
- 1 Naval Under Water Construction Team
- Homeport Training
- Construction Equipment Depot

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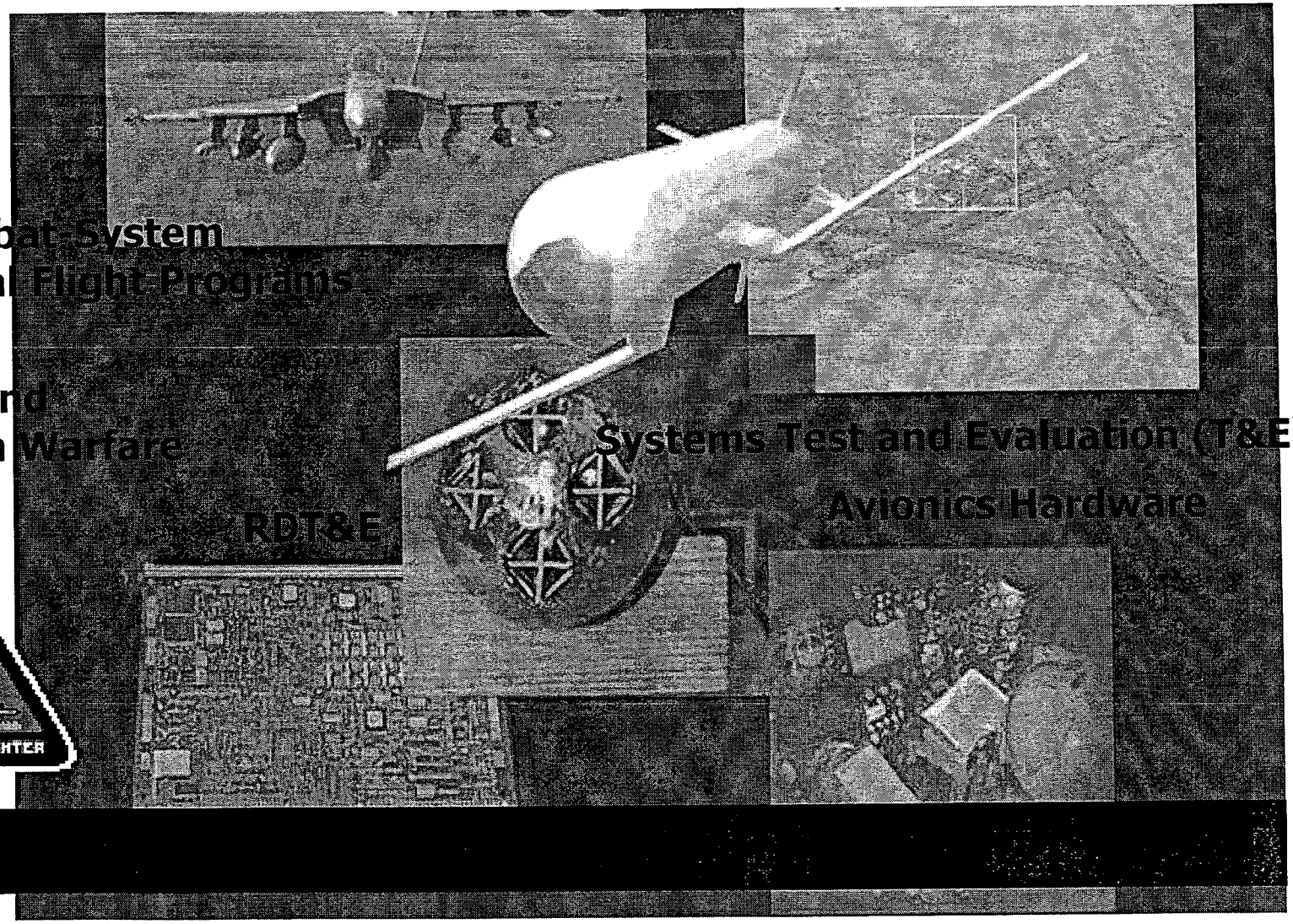
NAVAIR

Weapons Division



Total-Combat System Operational Flight Programs

Electronic and Information Warfare

RDT&E

Systems Test and Evaluation (T&E)

Avionics Hardware

NAWC
NAVAL AIR WARFARE CENTER

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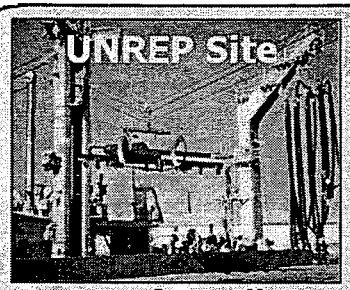
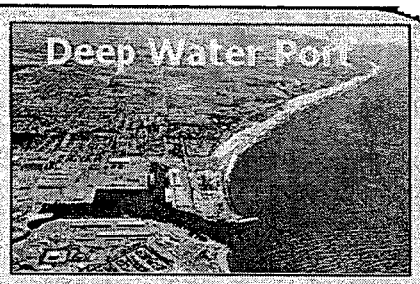
Port Hueneme Division
Naval Surface Warfare Center

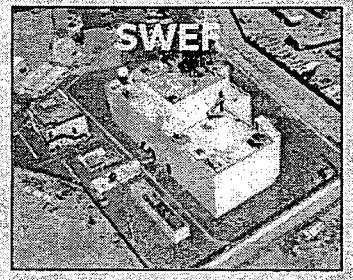
Keeping America's Navy #1 in the World!



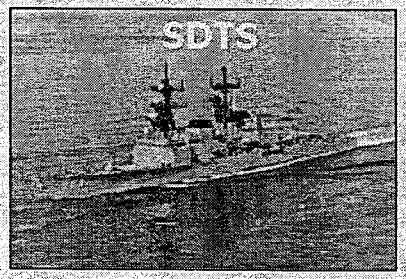
Center of Excellence
Unique R&D, Test, and Training Capability



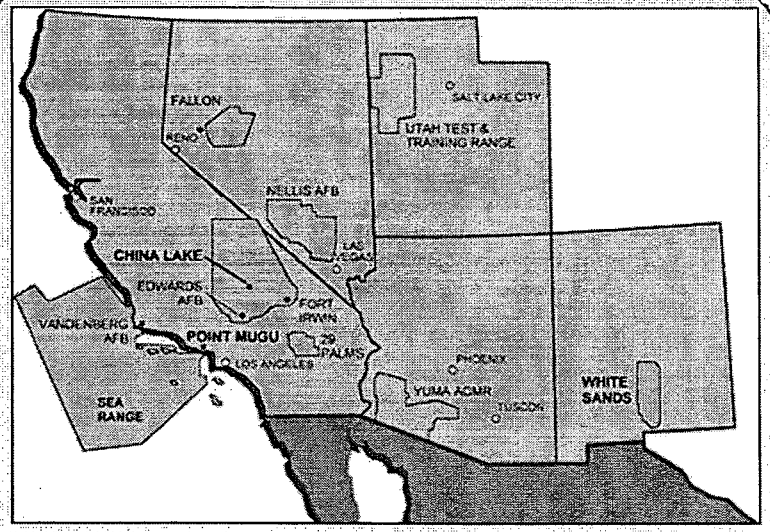
Deep Water Port
Ship Grooms
Adjacent to Test Range



Range T&E Asset
Problem Replication and Resolution Battle Spares



At Sea T&E, Training
Live Fire Testing



Shared Facilities

Mission: **Provide Test and Evaluation, In-Service Engineering, and Integrated Logistics Support for surface warfare combat systems and subsystems, unique equipments, and related expendable ordnance .**

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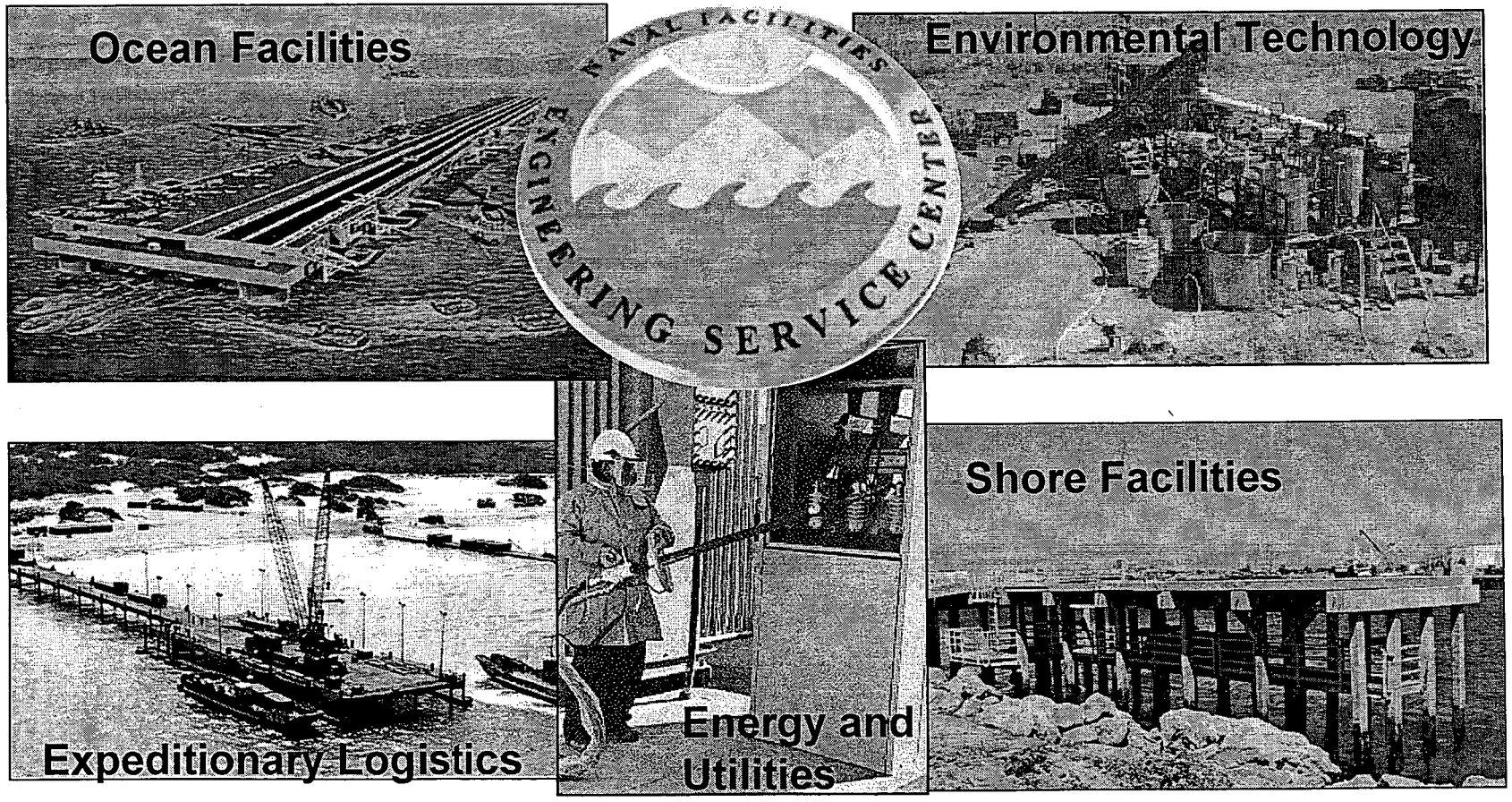
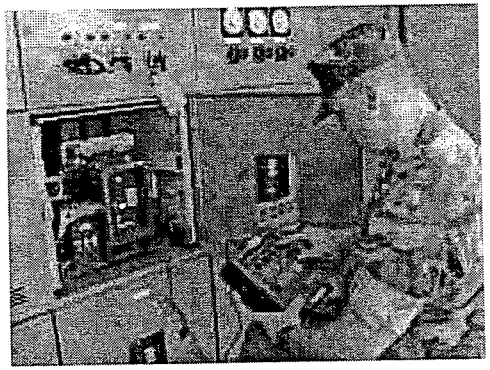
Naval Facilities Engineering Service Center

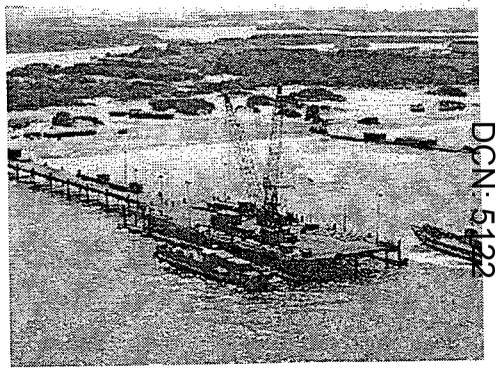


The Navy's Center for Specialized Facilities Technology

DCN: 5122

Naval Facilities Expeditionary Logistics Center





Providing:

- Life Cycle Management of the Naval Construction Force (NCF) and other Expeditionary units Table of Allowance.
- Communication and Information Technology development in support of the NCF and NBG.
- Sealift Support development and products.
- Development of training curriculums in military skills and construction for the NCF and NBG.
- Management of Prepositioned War Reserve Materiel and Stock for the NCF, including MPF assets.
- Primary procurement of the Navy's tactical vehicle and construction equipment fleets.
- Mobile Utilities Support Equipment (MUSE)
- Information Technology support to the Naval Facilities Engineering Command (NAVFAC).

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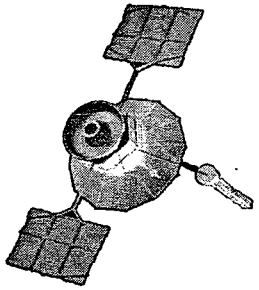
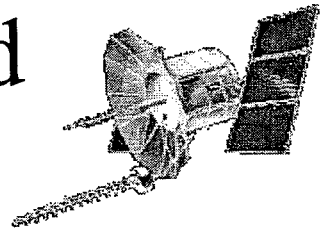
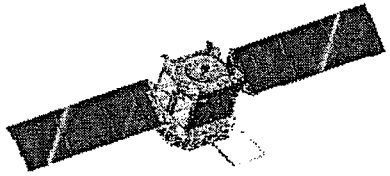
Naval Satellite Operations Center

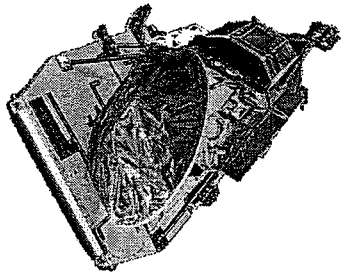


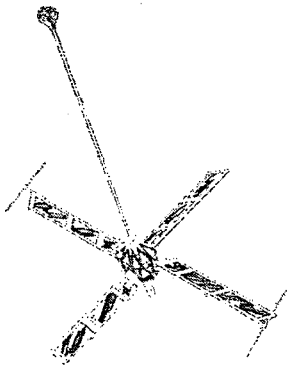
NAVSOC Satellites Supported

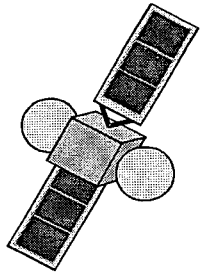


SATELLITE	CONTACTS #	MISSION	PER DAY
Ultra HF Follow on	10	UHF/EHF Communications	254
Fleet Satellites	3	UHF Communications	59
Fleet EHF	2	EHF Communications	40
POLAR	1	EHF Communications	18
Navy Ionosphere Monitoring	6	Research	18
Geodetic Follow on	1	Radar Altimetry	10
	23		399









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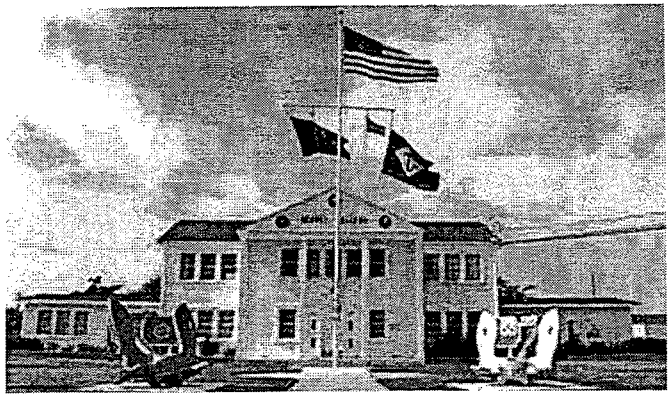
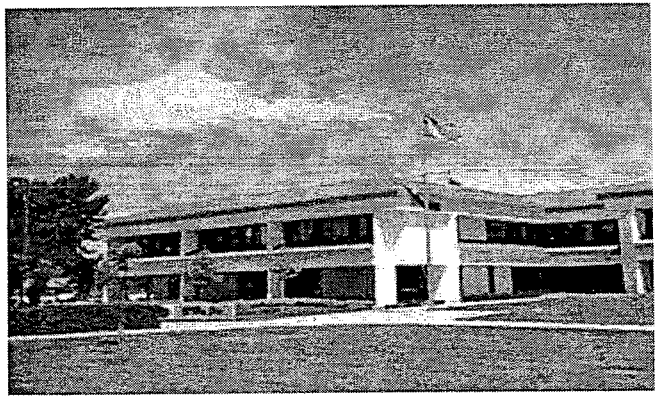
Naval Education and Training

- Center for Seabees and Facilities Engineering
  - Civil Engineer Corps Officer School (CECOS)
  - Naval Construction Training Center (NCTC)
- Engineering Duty Officer (EDO) School
- Naval Facilities Acquisition Training Center (NFACT)

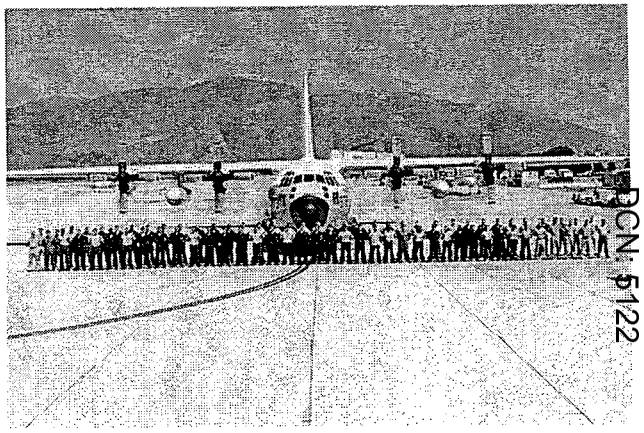




Reserve Squadrons / Centers

- **NAVAL AIR RESERVES POINT MUGU**
  - **VP-65 P-3**
  - **VR-55 C130**
- **RESERVE UNITS PORT HUENEME**
  - **Naval Reserve Center**
  - **Marine Reserve**
  - **1st Naval Construction Regiment**

1st Naval Construction Regiment (1st NCR)



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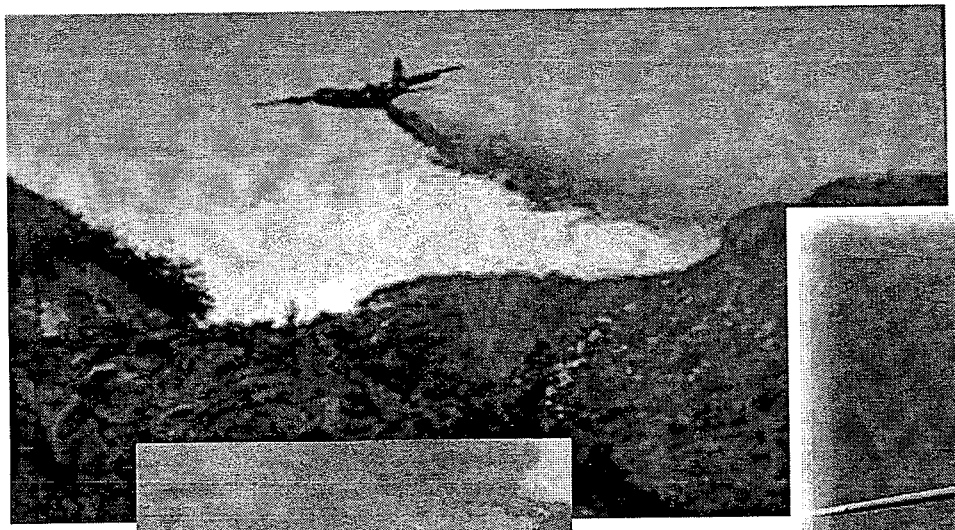
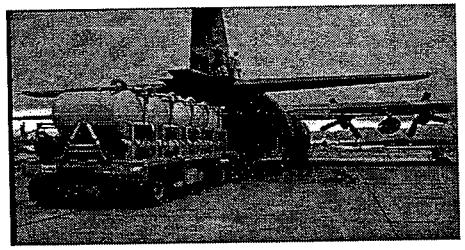
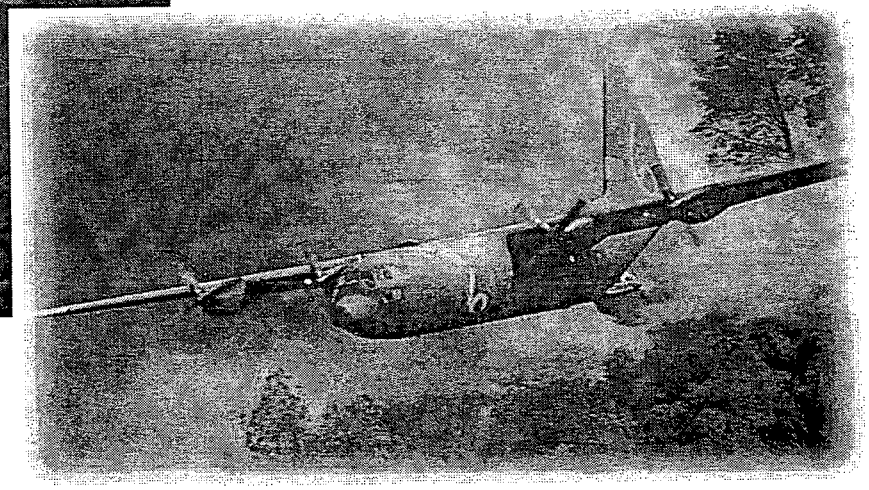
California Air National Guard – 146th Airlift Wing







DCN: 5122

Value to National Defense

- Unique Range Capabilities
  - Encroachment Free
  - Full Mobilization capabilities
  - Synergy Among Fleet, SYCOMS and Active and Reserve
  - Expeditionary Operational Forces
  - Operating Forced and Training Commands
  - Outstanding Community Relationships

DCN: 5122

BRAC Realignment

Scenario Number	Title
DON-161B	Close NSA Corona

Action Description: Relocate Naval Surface Warfare Center Corona Division to Naval Base Ventura County, NAS, Point Mugu

Affected Buildings: PM36, PM3008, PM3015, PM512 PM761, PM7020

Gap: Solution as proposed and certified will not meet MS Lab requirements. Proposed solution is to provide new construction for MS Lab instead of renovating PM761 and PM7020, which we believe will be more cost effective.

DCN: 5122

BRAC Realignment

Scenario Number	Title
TECH 18 (2B)	Create Naval Integrated Weapons & Armaments RDAT&E Center

Action Description: Relocate all NAWC WD, Point Mugu Weapons and Armaments Research, Development & Acquisition and Test & Evaluation (RDAT&E) to China Lake

Affected Buildings: PM36, PM3008, PM3015, PM761, PM7020 PM512, PM372, PM520 thru PM528, PM335, PM356, PM351, CA240, CA244, CA246, CA248

DCN: 5122

BRAC Realignment

Scenario Number	Title
TECH 54	Navy Sensors Electronic Warfare and Electronics RDAT&E

Action Description: Relocate NAWC WD, Point Mugu Sensors, Electronic Warfare (EW), and Electronics Research, Development, Acquisition, Test & Evaluation (RDAT&E) to China Lake

Affected Buildings: PM36, PM3008, PM3009, PM3015

DCN: 5122

BRAC Realignment

Scenario Number	Title
TECH 18 (2A)	Create Naval Integrated Weapons & Armaments RDAT&E Center

Action Description: Relocate all PHD NSWC Weapons And Armaments Research, Development & Acquisition And Test & Evaluation to China Lake

Affected Buildings: PM36, PM3008, PM3009, PM3015

DCN: 5122

BRAC Realignment

Scenario Number	Title
IND-101A	Establish Fleet Readiness Centers

Action Description: Realign AEWWING Aircraft Intermediate Maintenance Department (AIMD) by transferring all Intermediate maintenance workload capacity to Fleet Readiness Center Southwest Point Mugu

Affected Buildings: None – Change of name/designation

DCN: 5122

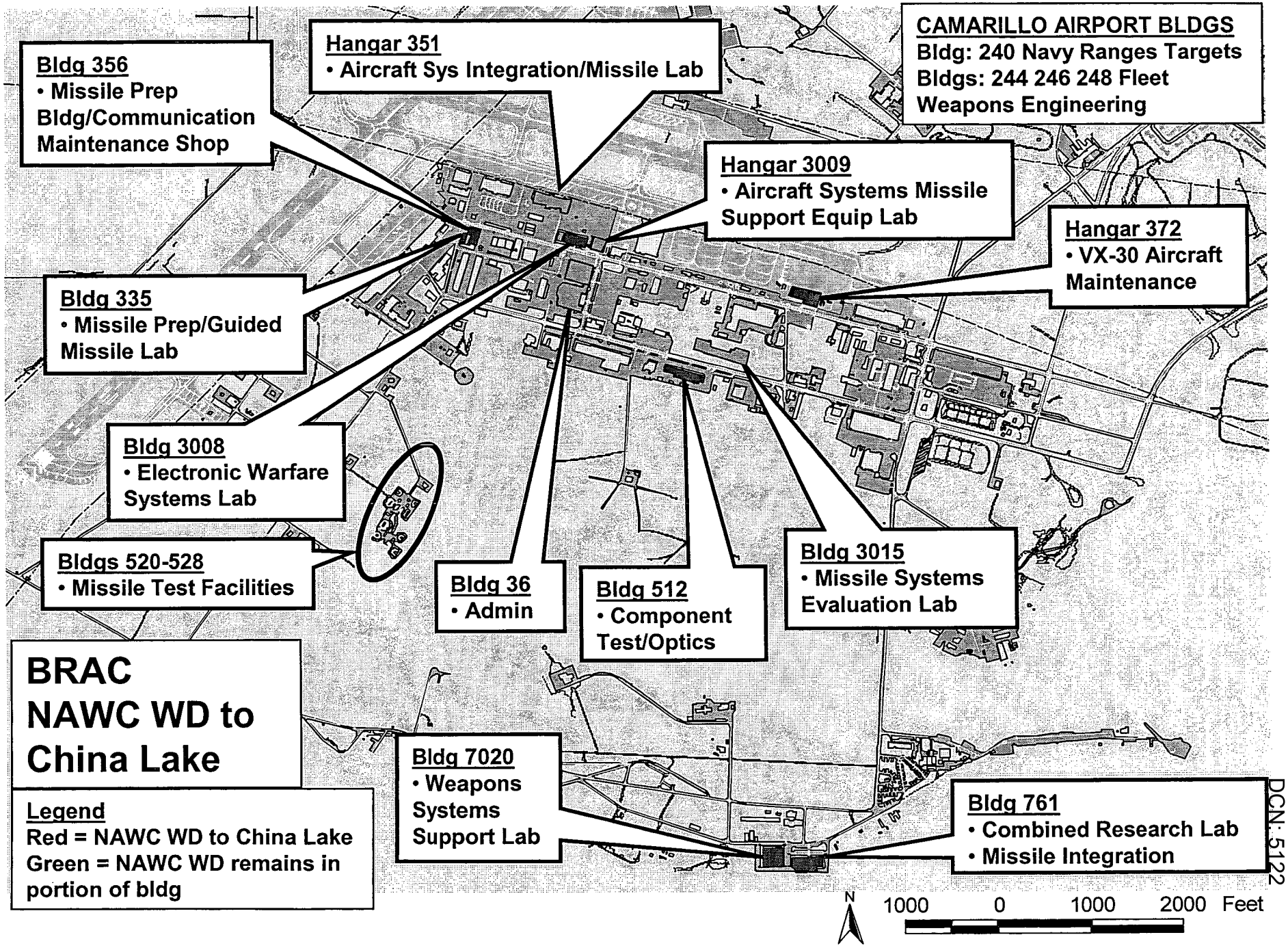
BRAC Realignment

Scenario Number	Title
(Other than Navy)	Realign Reno-Tahoe International Airport Air Guard Station, Nevada

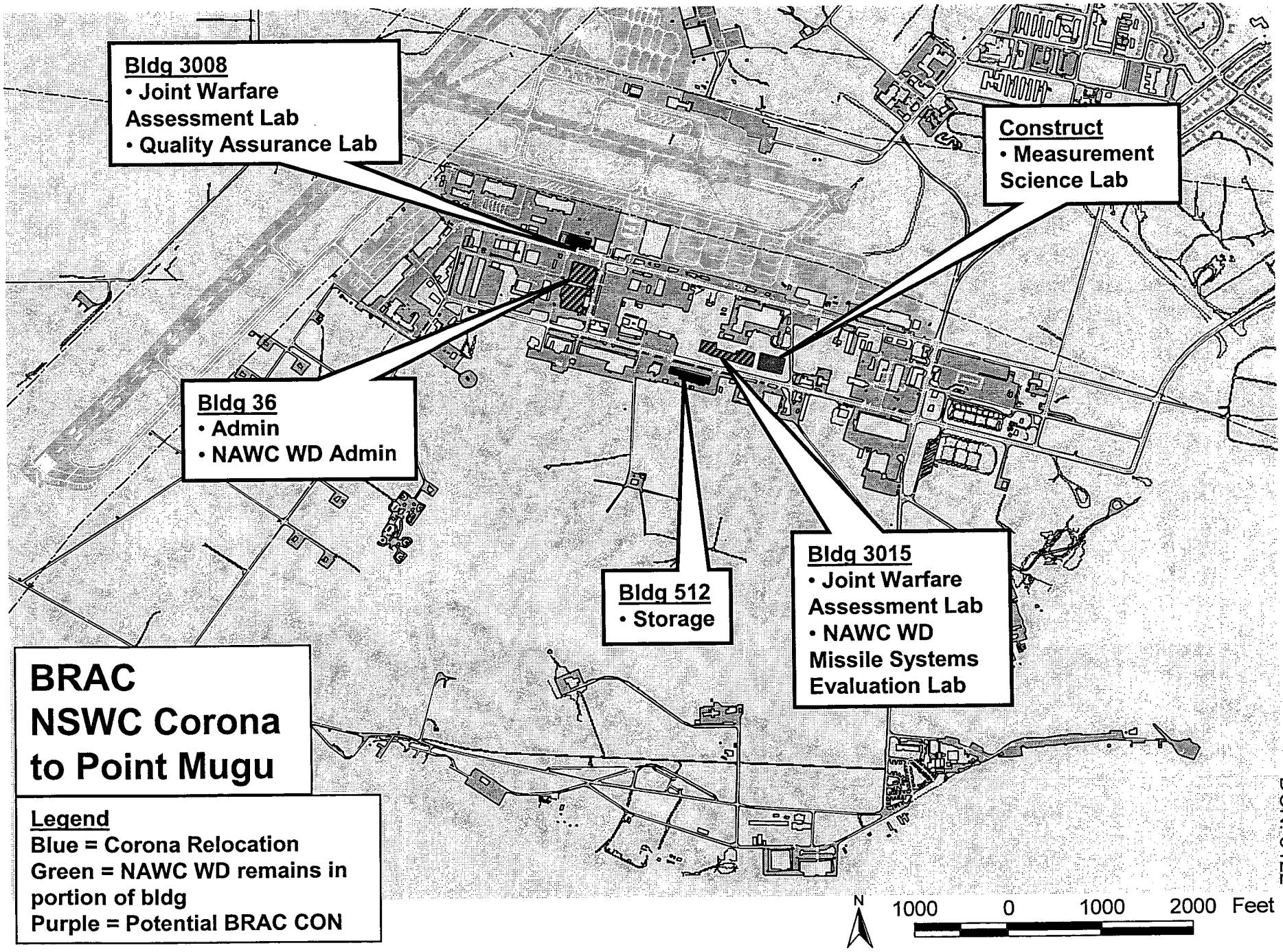
Action Description: Aviation related Expeditionary Combat Support (ECS) moves to Channel Islands Air National Guard Station

Affected Buildings: NBVC Facilities not affected

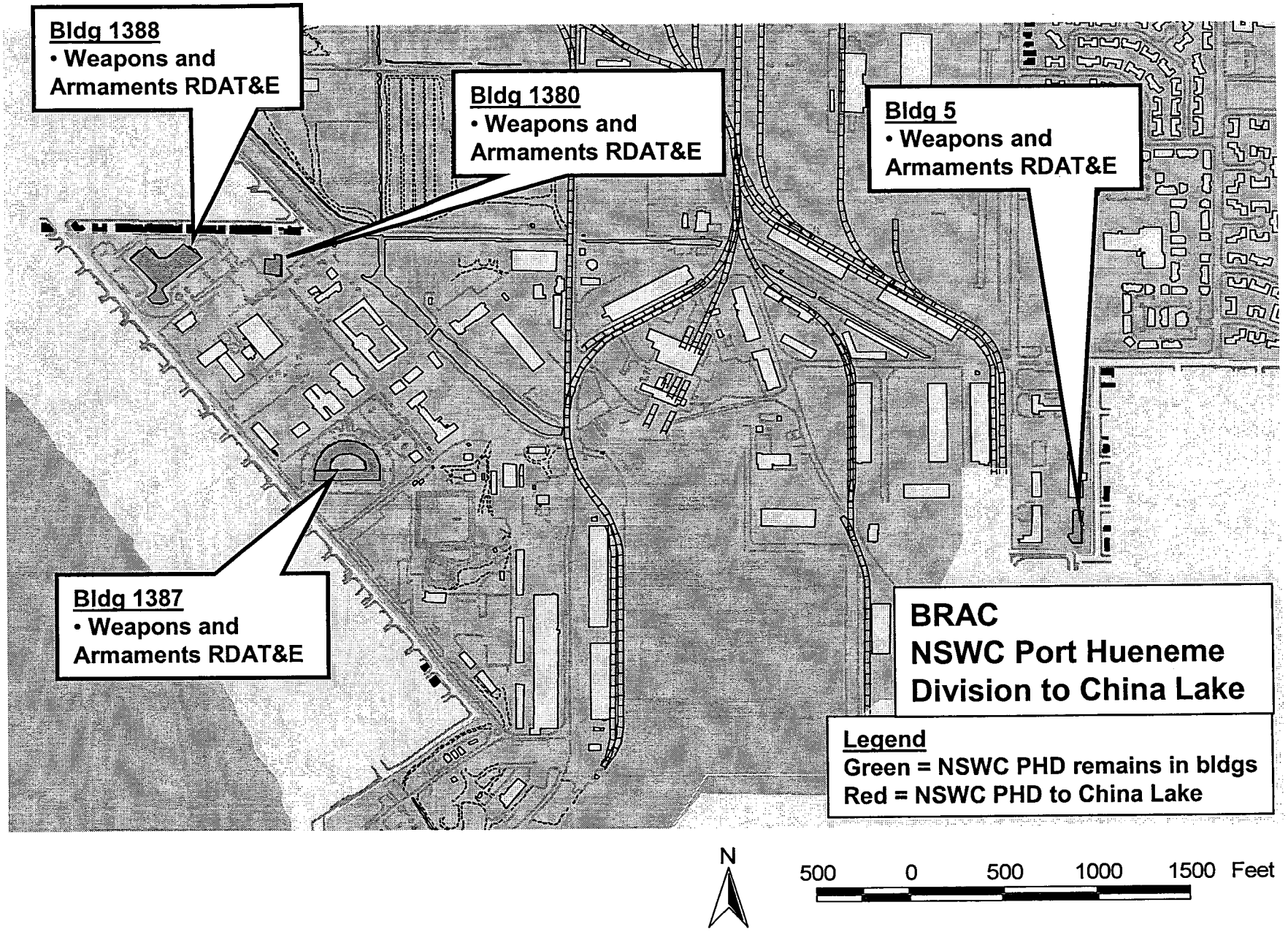
DCN: 5122


Bldg 356
• Missile Prep Bldg/Communication Maintenance Shop
Hangar 351
• Aircraft Sys Integration/Missile Lab
CAMARILLO AIRPORT BLDGS
Bldg: 240 Navy Ranges Targets
Bldgs: 244 246 248 Fleet Weapons Engineering
Hangar 3009
• Aircraft Systems Missile Support Equip Lab
Hangar 372
• VX-30 Aircraft Maintenance
Bldg 335
• Missile Prep/Guided Missile Lab
Bldg 3008
• Electronic Warfare Systems Lab
Bldgs 520-528
• Missile Test Facilities
Bldg 36
• Admin
Bldg 512
• Component Test/Optics
Bldg 3015
• Missile Systems Evaluation Lab
BRAC
NAWC WD to
China Lake
Legend
Red = NAWC WD to China Lake
Green = NAWC WD remains in portion of bldg
Bldg 7020
• Weapons Systems Support Lab
Bldg 761
• Combined Research Lab
• Missile Integration
N
1000 0 1000 2000 Feet

DCN: 5122


Bldg 3008
• Joint Warfare Assessment Lab
• Quality Assurance Lab
Construct
• Measurement Science Lab
Bldg 36
• Admin
• NAWC WD Admin
Bldg 512
• Storage
Bldg 3015
• Joint Warfare Assessment Lab
• NAWC WD Missile Systems Evaluation Lab
BRAC
NSWC Corona
to Point Mugu
Legend
Blue = Corona Relocation
Green = NAWC WD remains in portion of bldg
Purple = Potential BRAC CON
N
1000 0 1000 2000 Feet

DCN: 5122


Bldg 1388
• Weapons and Armaments RDAT&E
Bldg 1380
• Weapons and Armaments RDAT&E
Bldg 5
• Weapons and Armaments RDAT&E
Bldg 1387
• Weapons and Armaments RDAT&E
BRAC
NSWC Port Hueneme Division to China Lake
Legend
Green = NSWC PHD remains in bldgs
Red = NSWC PHD to China Lake
N
500 0 500 1000 1500 Feet

DCN: 5122

Library

NSWC PHD/NBVC BRAC
Personnel Impacts

Wayne Honea
NSWC PHD BRAC Coordinator
13 July 2005

DCN: 5122

NSWC PHD/NBVC BRAC Scenarios

- Weapons & Armaments (Missiles, Guns, Energetics) to NAWC China Lake

  (TECH0002A / TECH0018DR)

- C4ISR to SPAWAR San Diego

  (TECH 0008B & TECH 0008F / TECH 0042A)

Weapons & Armament (Missiles, Guns, Energetics) to NAWC China Lake

Scenario Action:

- Realign Port Hueneme Weapons and Armaments (except weapon system integration) and relocate to China Lake

Assumptions:

- Relocate most Weapons and Armaments e.g. missiles, energetics, guns, etc RDAT&E to China Lake

Recommendation:

- Realign Naval Base Ventura County, Port Hueneme, CA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except weapon system integration, to Naval Air Weapons Station China Lake, CA.

Justification:

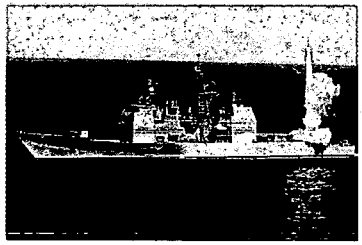
- Consolidating the Navy's air-to-air, air-to-ground, and surface launched missile RD&A, and T&E activities at China Lake, CA, would create an efficient integrated RDAT&E center.

(TECH0002A / TECH0018DR)

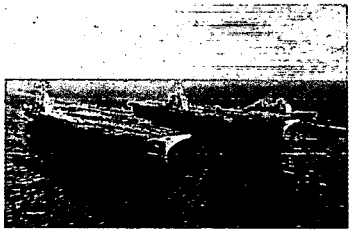
Weapons & Armament
(Missiles, Guns, Energetics) to NAWC China Lake

NSWC PHD Weapons and Armament Programs

Surface Combatants



Aircraft Carriers



Amphibious Ships

Weapons Systems

Vertical Launch ASROC
Tomahawk WCS
Harpoon WCS
Mk 34 Gun Weapon System
Mk 38, Mk 42, Mk 45 & Mk75 Guns
Close In Weapon System
Underway Replenishment
Rapid Anti-ship Missile Integrated Defense System
Distribute Common Ground System - Navy
Area Air Defense Commander (AADC)
Battle Force Interoperability
Target Acquisition System
Ballistic Missile Defense (BMD)

Aegis Combat System
Ship Self Defense System (SSDS)
Mk 92 Fire Control System
Mk 86 Gun Fire Control System
Surface Search Radars
Integrated Auto Detect & Tracking System
Cooperative Engagement Capability (CEC)

Launchers (Non Missiles)

NSSM Launching System
Vertical Launching System
RAM Launching System

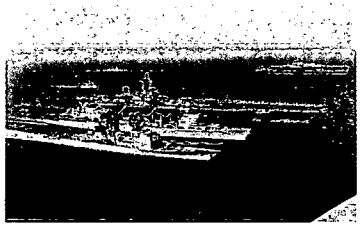
Other

NSDSA
STILO
Mk 74 FCS(FMS)
NATO Seasparrow Depot

Missiles/ Energetic

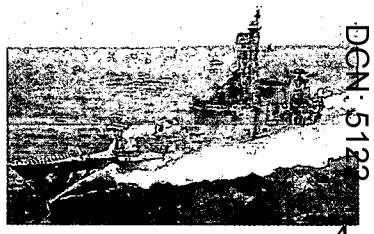
Standard Missile
ERGM
ESSM

Replenishment Ships



Strike Groups

Allied Forces



DGN: 5122

(TECH0002A / TECH0018DR)

NSWC PHD DONBITs Certified Inputs

TECH 0002A Scenario Data Call

(Rolled into TECH 0018DR)

SDC Action #	FY 2009 Civilians	Rationale
[illegible]	[illegible]	[illegible]
9	113	"Other" non-Missile, Gun, or Energetic – See Question #47
9	178	In-extricable ISE work from WSI – See Question #47

DCN: 5122

NSWC PHD DONBITs Certified Inputs

SDC Action #	FY 2009 Civilians	Rationale
9	434	Missile, Gun, or Energetic

- Programs **within** Missiles, Guns, or Energetics scope:
  - Standard Missile (SM) - 119
  - Evolved SeaSparrow Missile (ESSM) - 15
  - Extended Range Guided Munitions (ERGM) - 0

NSWC PHD DONBITs Certified Inputs

SDC Action #	FY 2009 Civilians	Rationale
9	113	"Other" non-Missile, Gun, or Energetic – See Question #47

- "Other" Programs **not within** Missiles, Guns, or Energetics scope remaining at PHD:
  - Naval Sea Data Support Activity – *Manages NAVSEA/SPAWAR Technical Manuals - 52*
  - Scientific Technical Information Liaison Office – *National Intell Info - 9*
  - NATO SeaSparrow Depot Management – *Co-located with NATO Program at PHD - 19*
  - Mk 74 Fire Control System – *Foreign Military Sales - 9*
  - Misc Non-Core Support – *Administrative and Secretarial Support - 24*

(TECH0002A / TECH0018DR)

NSWC PHD DONBITs Certified Inputs

SDC Action #	FY 2009 Civilians	Rationale
9	178	In-extricable ISE work from WSI–See Question #47

- "System ISE work that is **"Inextricable"** from Weapon Systems Integration…….
  - RAM System (Rolling Airframe Missile System Mk 31) - 72
    - Guided Missile Weapon System Mk 31 includes Mk 49 Guided Missile Launching System. The Mk 31 is an integral part of the SSDS Weapons Systems Integration function which is supported by NSWC PHD. This does not include RAM missile.
  - NSSMS (NATO SeaSparrow Missile System Mk 57) - 67
    - Mk 57 includes the Mk 91 Fire Control System, the Mk 29 Guided Missile Launching System. The Mk 57 is an integral part of the Ship Self Defense System Weapons Systems Integration function which is supported by NSWC PHD. This does not include NATO missile.
  - VLS (Vertical Launch System Mk 41) - 39
    - An integrated Launching System to the Aegis Weapon System - Weapons Systems Integration function which is supported by NSWC PHD.

(TECH0002A / TECH0018DR)

C4ISR to SPAWAR San Diego

Scenario Action:

- Consolidate Maritime Information Systems RDAT&E functions at NSWC PHD with SPAWAR San Diego

Assumptions:

- This Scenario intends to consolidate the workload that is common with specific areas of C4ISR.

Recommendation:

- Realign Naval Base Ventura County, CA, by relocating Maritime Information Systems RDAT&E to Naval Submarine Base Point Loma, San Diego, CA, and consolidating with the Space Warfare Center to create the new Space Warfare Systems Command Pacific, Naval Submarine Base Point Loma, San Diego, CA.

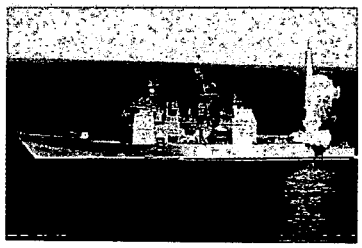
Justification:

- These recommended realignments and consolidations provide for multifunctional and multidisciplinary Centers of Excellence in Maritime C4ISR.

(TECH 0008B & TECH 0008F / TECH 0042A)

C4ISR to SPAWAR San Diego

Surface Combatants



Aircraft Carriers

Amphibious Ships

NSWC PHD C4ISR Programs

DCGS-N

AADC

Cooperative Engagement Capability

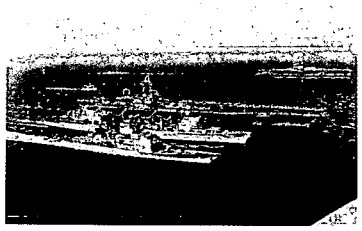
Combat System / Interior Communications Switchboards

Single Integrated Air Picture

Strike Group Interoperability Test and Evaluation

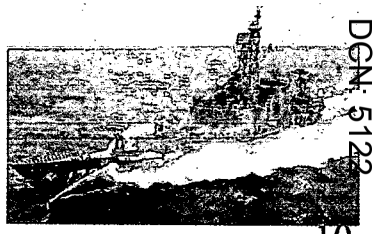
Battle Force Tactical Trainer

Replenishment Ships



Strike Groups

Allied Forces



(TECH 0008B & TECH 0008F / TECH 0042A)

C4ISR to SPAWAR San Diego

C4ISR to SPAWAR San Diego

(TECH 0008B & TECH 0008F / TECH 0042A)

SDC Action #	FY 2009 Civilians	Rationale
[redacted]	[redacted]	[redacted]
7	96	C4ISR Inextricable from WSI, see #47 and excel attachments

(TECH 0008B & TECH 0008F / TECH 0042A)

C4ISR to SPAWAR San Diego

SDC Action #	FY 2009 Civilians	Rationale
[redacted]	[redacted]	[redacted]

- **"C4ISR that are to be transferred to SPAWAR"**
  - Distributed Common Ground Station – Navy - 6
    - Integrates geospatial information with signal intelligence data
  - AADC - 0

(TECH 0008B & TECH 0008F / TECH 0042A)

C4ISR to SPAWAR San Diego

SDC Action #	FY 2009 Civilians	Rationale
7	96	C4ISR Inextricable from WSI, see #47 and excel attachments

- **System ISE work that is "Inextricable"** from Weapon Systems Integration.....
  - Cooperative Engagement Capability – 64
    - Integrates detection information across Battle Group
  - Switchboards – 29
    - Physical connection between detect-control-engage equipment
  - SIAP - 1
  - BG T&E - 2
  - BFTT - 0
  - NTCSS - 0

(TECH 0008B & TECH 0008F / TECH 0042A)

DCN: 5122

SUMMARY of PHD at NBVC

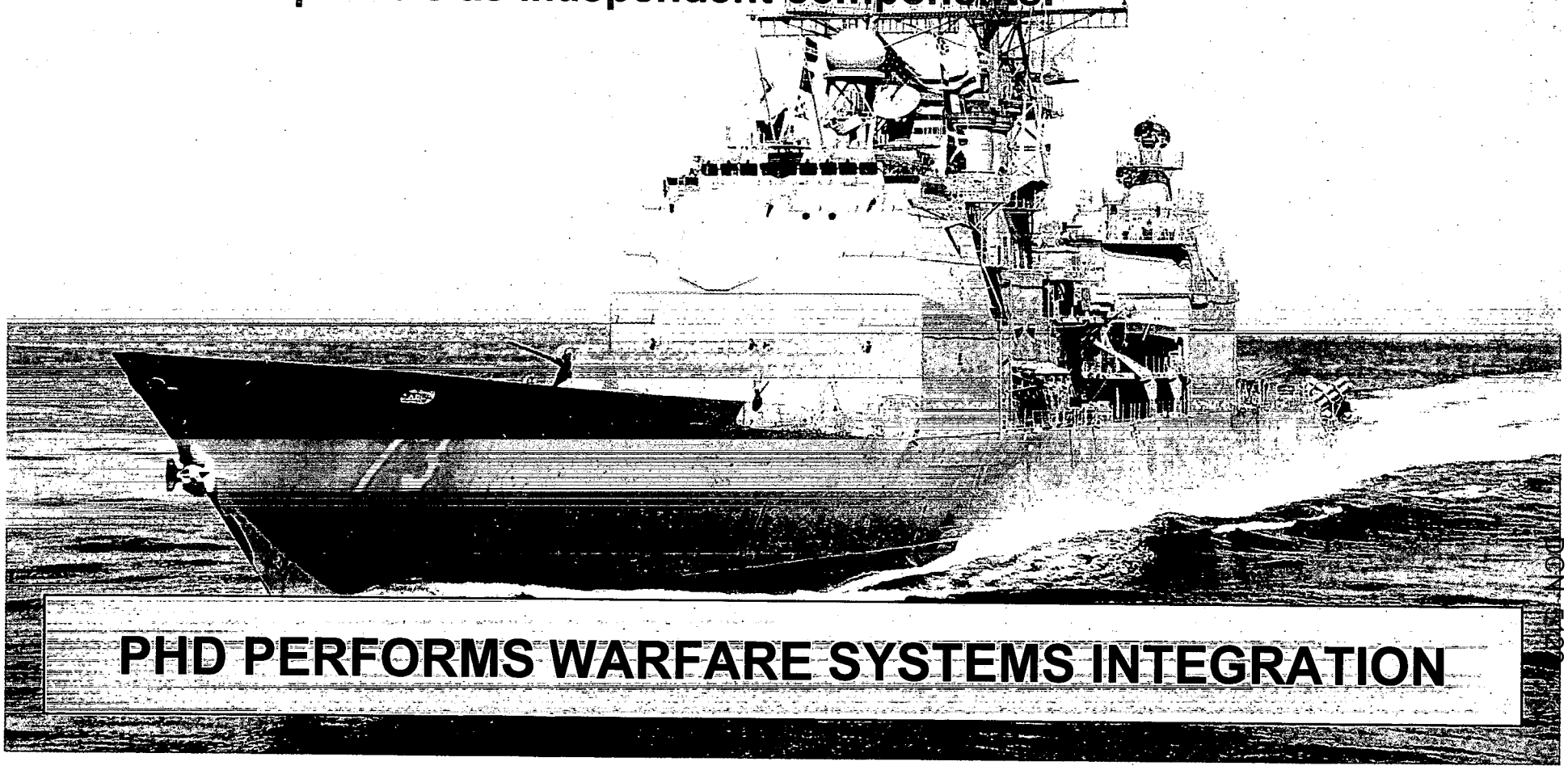
Scenario	Civilians in Scope	Civilians Inextricable & Other
China Lake TECH 0002A	**134**	**291**
C4ISE-SPAWAR TECH 0008B	**6**	**96**
Total	**140**	**387**

- 527 total civilians involved in NBVC related recommendations
  - 387 "Inextricable" and "Other" located at NSWC PHD because of physical and functional integrated requirement

DCN: 5122

Surface Warfare Systems Integration

"Naval ship borne warfare systems are specifically designed to be fully embedded within the form of a ship's hull design. The elements of the detect-to-engage sequence are physically and functionally integrated and not separable as independent components."


PHD PERFORMS WARFARE SYSTEMS INTEGRATION

[redacted]

Scenario Action:

- Realign Port Hueneme (SD) and relocate to NSWC Dahlgren

Assumptions:

- This Scenario intends to consolidate the workload that is common with specific areas of Weapons and Armament.

Recommendation:

- Realign Fleet Combat Training Center, CA (Port Hueneme Detachment, San Diego, CA), by relocating all Weapons and Armaments weapon system integration Research, Development & Acquisition, and Test & Evaluation to Naval Surface Warfare Center Dahlgren, VA.

Justification:

- The Naval Surface Warfare Center, Dahlgren, VA, is a receiver specialty site for Naval surface weapons systems integration and receives a west coast site for consolidation. This construct creates an integrated W&A RDAT&E center in China Lake, CA, energetics center at Indian Head, MD, and consolidates Navy surface weapons system integration at Dahlgren, VA.

Programs

- All ICSTD Programs

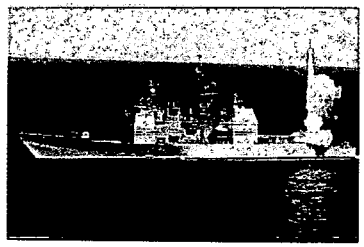
ICSTD to NSWC Dahlgren

NSWC PHD ICSTD Programs

Non-Aegis Combat Systems Integration

AEGIS BL 6 Phase 3

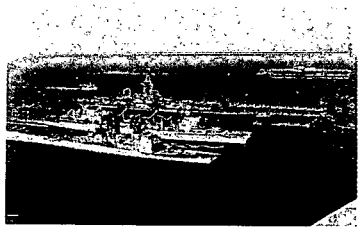
Surface Combatants



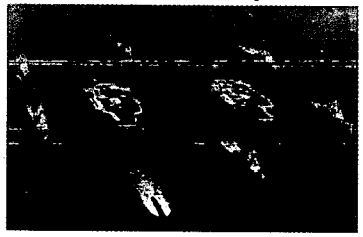
Aircraft Carriers

Amphibious Ships

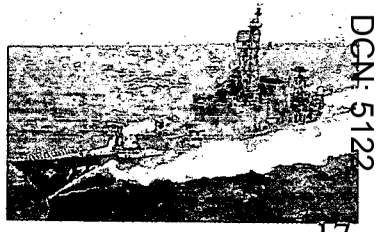
Replenishment Ships



Strike Groups



Allied Forces



(TECH0002F & TECH0018DR)

DCN: 5122

ICSTD to NSWC Dahlgren

SDC Action #	FY 2009 Civilians	Rationale
14	47	All direct labor

- Non-Aegis Combat Systems Integration will be realigned with Dahlgren Aegis Combat System Integration

Louisville to Picatinny Arsenal

Scenario Action:

- Realign Detachment Louisville Guns/ammo RDAT&E and relocate to Picatinny Arsenal

Assumptions:

- Definition of Guns & Ammunition: Includes all RDAT&E associated with small, medium and large caliber gun systems, and any barrel launched ballistics rounds/systems. Includes but is not limited to mortars, tank rounds and systems, artillery, Navy Gun systems. Include all work associated with gun systems, materials and propelling charges, Does not include guidance and control, and rocket motors. Does not include weapon systems integration.

Recommendation:

- Realign the Louisville, KY, detachment of Naval Surface Warfare Center Division Port Hueneme, CA, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Justification:

- This recommendation realigns and consolidates those gun and ammunition facilities working in Weapons and Armaments (W&A) Research (R), Development & Acquisition (D&A). This realignment would result in a more robust joint center for gun and ammunition Research, Development & Acquisition at Picatinny Arsenal, NJ.

Programs:

- All Louisville Programs

DCN: 5122

(TECH0002E & TECH0017 / TECH 0018B)

Louisville to Picatinny Arsenal

NSWC PHD Louisville Programs

Mk 34 Gun Weapon Systems

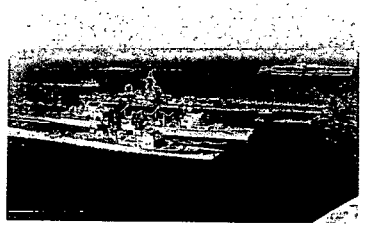
Mk 38, Mk 42, Mk 45 & Mk 75 Gun Mount

NULKA

CIWS

Surface Combatants

Replenishment Ships

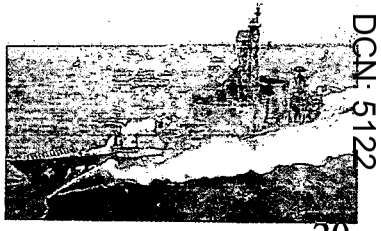


Aircraft Carriers

Strike Groups

Amphibious Ships

Allied Forces



(TECH0002E & TECH0017 / TECH 0018B)

DCN: 5122

Louisville to Picatinny Arsenal

SDC Action #	FY 2009 Civilians	Rationale
7	217	6 of 217 are G&A

– Questions on whether Recommendation included T&E

DCN: 5122

SUMMARY of NSWC PHD

Scenario	Civilians in Scope	Civilians Inextricable & Other
China Lake TECH 0002A	**134**	**291**
C4ISE-SPAWAR TECH 0008B	**6**	**96**
ICSTD San Diego to Dahlgren	**47**	**0**
Louisville Guns to Picatinny	**217**	**0**
Total for NSWC PHD	**404**	**387**

- 791 total civilians involved in NSWC PHD related recommendations
  - "Inextricable" and "Other" Programs required to perform our Combat Systems In-service Engineering and Test & Evaluation Mission

DCN: 5122