



# **Final Environmental Impact Statement for Guam and CNMI Military Relocation**

**Sept 2010**



# Environmental Review



- **Roadmap Agreement – October 2005**
- **Notice of Intent – March 2007**
  - Initiated NEPA process
  - Over 900 comments received, shaped studies and analysis
- **DEIS released – Nov 20, 2009**
  - 90-day comment period, generated over 10,000 public comments
- **Issue resolution process led by CEQ**
- **FEIS to be signed – July 23, 2010**
- **Record of Decision – Expected September 2010**



# Strategic Realignment of Forces on Guam/CNMI



- **Marine Corps –**
  - (a) Develop and construct facilities and infrastructure to support approx. 8,500 Marines and their 9,000 dependents.**
  - (b) Develop and construct infrastructure to support training and operations on Guam and Tinian.**
- **Navy – Construct a new deep-draft wharf with shore side infrastructure improvements in Apra Harbor for transient nuclear power aircraft carrier.**
- **Army – Develop facilities and infrastructure on Guam to support relocating approx. 630 military personnel and their 950 dependents to establish and operate and Army AMDTF**





# Preferred Alternatives

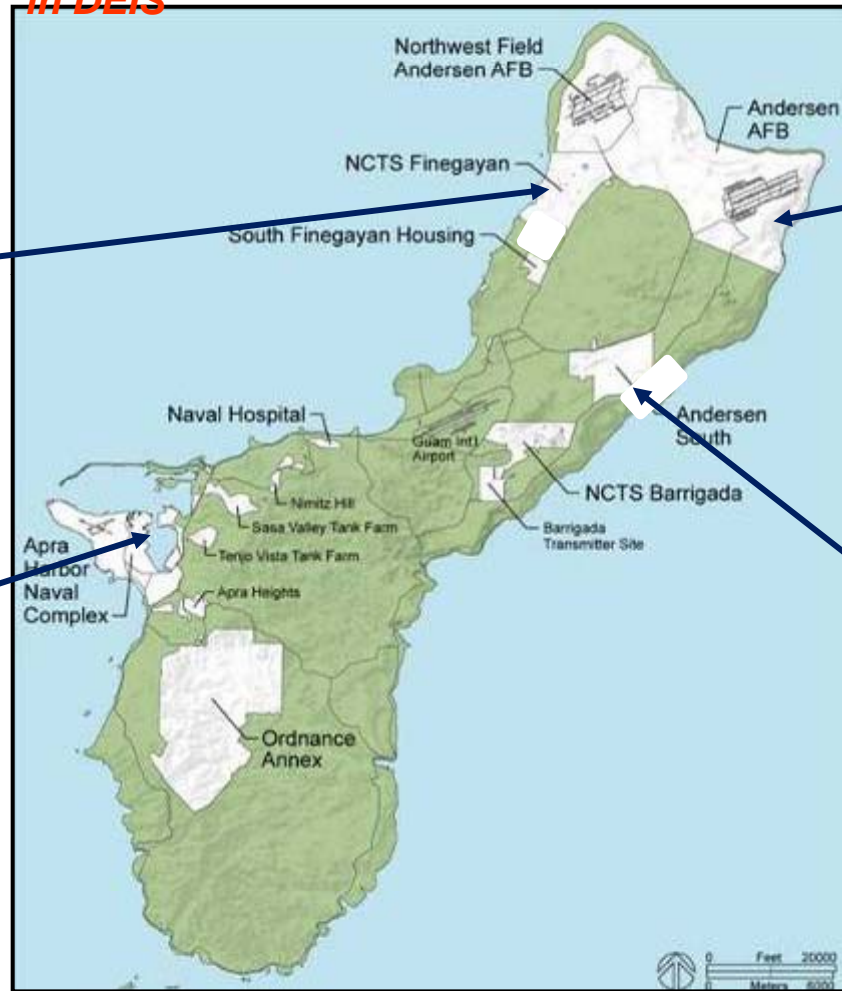


USMC Main Cantonment

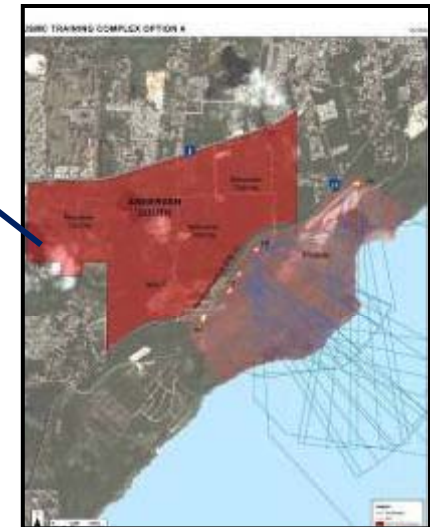


Waterfront Operations

*Remain the same as those identified in DEIS*



USMC Aviation

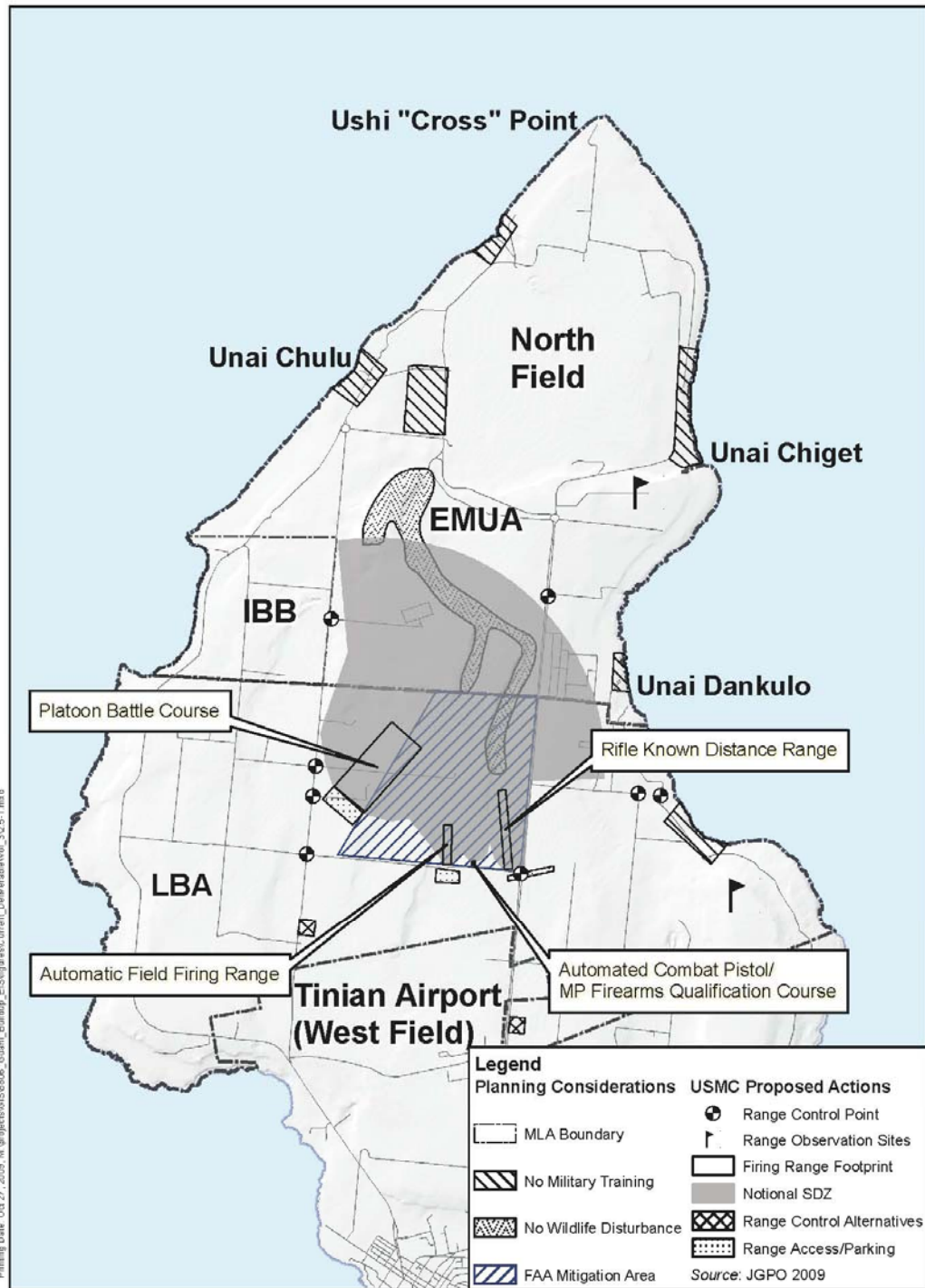


Training Ranges



# Preferred Alternatives – Tinian Ranges

*Remain the same as those identified in DEIS*



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# Tinian Proposed Projects



## Rifle KD Range

This range supports 5.56mm rifle training to a distance of 1,000 yd (914m) and is designed for training rifle marksmanship and tactical engagement techniques. Twenty-five firing points would be constructed with a range width of 100 yd (91m) and a length of 1,000 yd (914m).

**Combat Pistol Range.** This range supports training with 9mm and .45 caliber pistols and is designed to train and test personnel on the skills necessary to identify, engage, and hit stationary infantry targets. The range would consist of twenty-five firing points with a width of 55 yd (50m) and a length of 50 yd (46m).

**Automatic Field Firing Range.** The Automatic Field Firing Range would be used by 5.56mm caliber rifles, carbines, and squad automatic weapons. The range is designed to support training engagement techniques for identifying, engaging, and hitting stationary infantry targets. Twenty firing lanes would occupy a width of 219 yd (200m) and a length of 547 yd (500m).

**Platoon Battle Course.** The Platoon Battle Course is designed for the training and qualification requirements of infantry platoons armed with 5.56mm rifles, carbines, and squad automatic weapons. The course would provide the capacity for up to 40 personnel to train in tactical scenarios, engaging targets at varying distances and angles while moving. The range would contain 40 lanes with a width of 656 yd (600m) and a length of 1,312 yd (1,200m).



# Interagency Coordination



- **CEQ facilitated federal interagency resolution of issues raised in DEIS**
  - **Regularly scheduled meetings at staff level**
    - Working groups on specific issues formed
  - **Decision meetings at principals level**
    - Representatives from National Security Council, DOD, Navy, USACE, EPA, USFWS, NMFS and DOI
- **Continued coordination with Guam Agencies:**
  - Navy, GWA, CCU discussions for utilities management MOA
  - Navy, SHPO discussions regarding Cultural Resource PA
  - Navy, GBSP on seeking coastal consistency determination
  - Navy, GEPA design approvals and permitting



# Aircraft Carrier/Coral



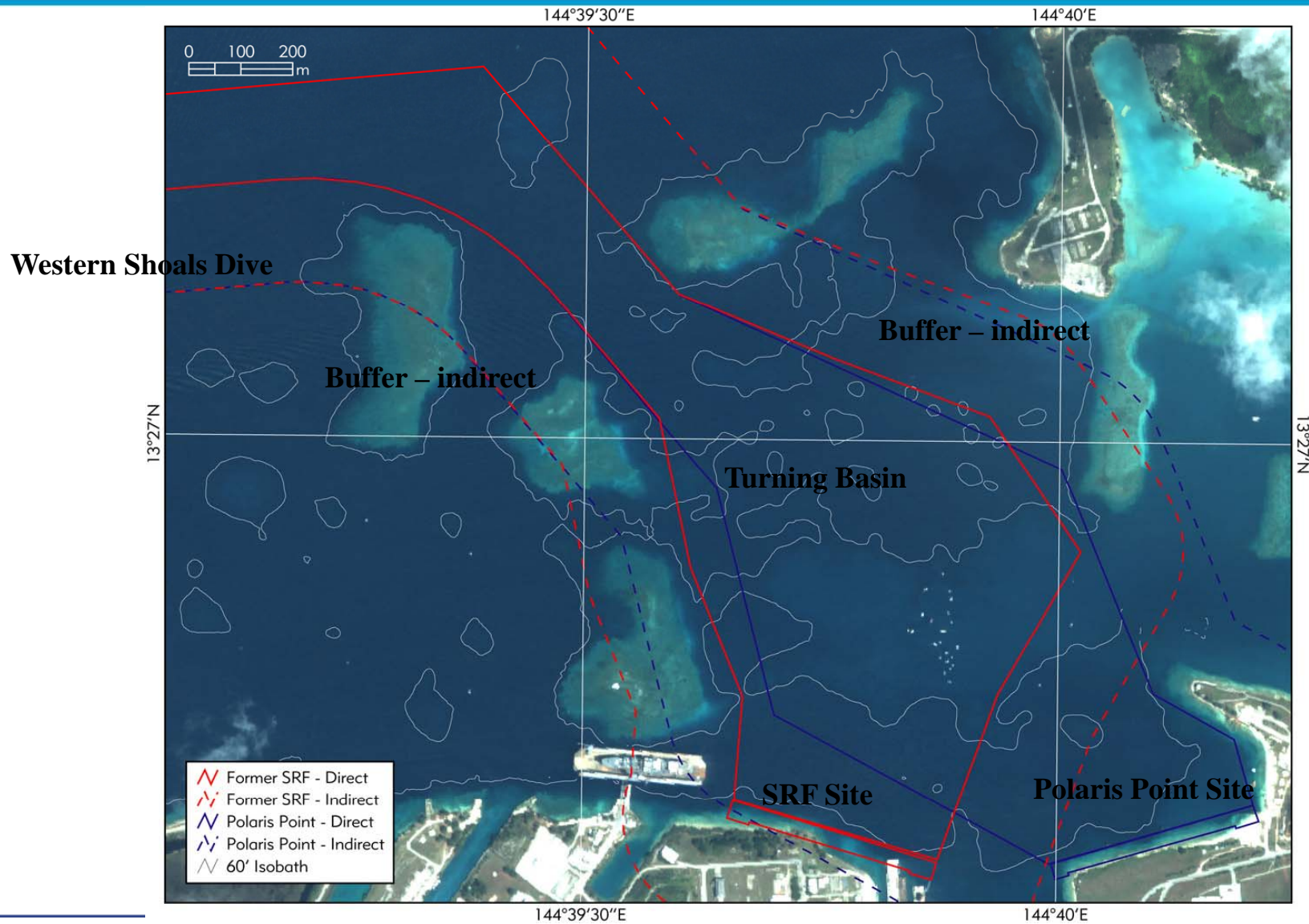
- **DEIS Issues**
  - Carrier and turning basin location
  - Defining the coral impacts
  - Coral mitigation measures
- **FEIS Resolution**
  - Navy and resource agencies have reached agreement in principle
  - Site selection and coral analysis will not be completed for Sept 2010 ROD
  - FEIS will include 2 alternatives, with Polaris Point as the preferred alternative
  - ROD will limit the decision to locating a carrier berth on Guam; will not give a specific site
  - University of Guam will contribute to further analysis

**Decision on specific site of carrier berth  
deferred**





# CVN Alternatives





# Typical Coral Formations in Turning Basin





# Impacts from Construction



- **Federal and State law govern construction activities**
  - Use of established BMPs for control of erosion
  - No NOV's from GEPA
- **Development of a Regional Storm water Pollution Prevention Plan with USEPA input**
- **Working with GEPA on development of BMP list for aquifer protection**
- **Creating compliance group to ensure regulatory compliance and coordination with regulators throughout buildup**



# Infrastructure Constraints



- **DEIS Issue:** Recognition that Guam's utilities, roads and commercial port require upgrades to support construction effort and long-term growth
- **FEIS Resolution:** Funding sources identified for Guam infrastructure improvements (\$955M)
  - \$740M in GOJ financing for water, wastewater and power
  - Defense Access Road funding (\$48M in FY10, \$67M requested in FY11)
  - \$100M in DOD/USDA funds for port



# Utilities – Waste Water



- **DEIS Issues**
  - **NDWWTP**
    - Will handle most of DOD relocation load
    - Non-compliant for primary treatment
    - 6 MGD permitted limit; designed for 12 MGD
  - **Hagatna WWTP**
    - Load from construction workforce and induced civilian population growth
    - Non-compliant for primary; designed for 12 MGD
    - Sewer collection system limitation capacity
- **FEIS Resolution**
  - **MOA with GWA provides structure for continued cooperation to improve Guam's wastewater collection and treatment services**
  - **NDWWTP (\$270M - \$285M)**
    - Phase 1 - Repairs and improvements - restore capacity to 12 MGD design
    - Phase 2 - Expand to 18 MGD – Implement upgrade to secondary treatment
    - Collection and Lift Systems Upgrade – NDWWTP and Hagatna
  - **Hagatna WWTP (\$145-\$150M)**
    - Implement upgrade to secondary treatment
    - Infrastructure Funding - OSD/DON/EPA Region 9 Principals Agreement



# Adaptive Program Management



- **DEIS Issue: Schedule based on 2014 completion causes unacceptable impacts at peak of construction**
- **FEIS Resolution: Commitment to reduce pace of construction and defer arrival of military population as necessary to avoid over-stressing infrastructure**
- **Application of APM will result in significantly lower peak population, stretched construction timeline, and managed impacts to civilian community**

**DOD is committed to not exceed infrastructure limitations on Guam**



## APM Process: Civil-Military Coordination Council (CMCC)



- **APM to be implemented by a Civil-Military Coordination Council (CMCC)**
  - **CMCC will provide for necessary coordination at local level to:**
    - Gather, share and analyze data regarding limiting factors (i.e. infrastructure, environmental, socio-economic) that could affect the pace/sequencing of construction
    - Coordinate discussion among DOD, Guam and federal agencies regarding resources and infrastructure affected by the realignment
    - Advise and make recommendations with respect to actions associated with the realignment
  - **Uses existing authorities**
  - **Membership includes military, GovGuam and Guam agencies, federal agencies**
- **Initial operating charter will be included in ROD; further processes will be developed post-ROD**



# Record Of Decision



- **ROD will detail implementation plans for the proposed action**
  - Does not mean implementation plans cannot be later adjusted as new information becomes available
- **ROD will include the DoD's commitment to mitigation measures**
- **Signing of ROD does not conclude planning efforts**
  - Will continue to work toward One Guam solution, coordinating with federal agencies, GovGuam and the people of Guam





## Post-ROD Activity



- **Post-ROD, construction will slowly ramp up**
  - Task orders/contracts for specific projects will be awarded
  - Will begin with design, not immediate construction activity
- **CMCC will be in place in time to oversee initial construction**
- **Initial projects are focused on site preparations, utilities infrastructure and some small facility development**



## Key Messages



- **DOD commitment to not exceed Guam's infrastructure capacity – construction pace managed through Civ-Mil Coordination Council**
- **FEIS identifies funding sources for utilities, port and road improvements**
- **Efforts to address One Guam funding, land acquisition and other issues will continue post-ROD**