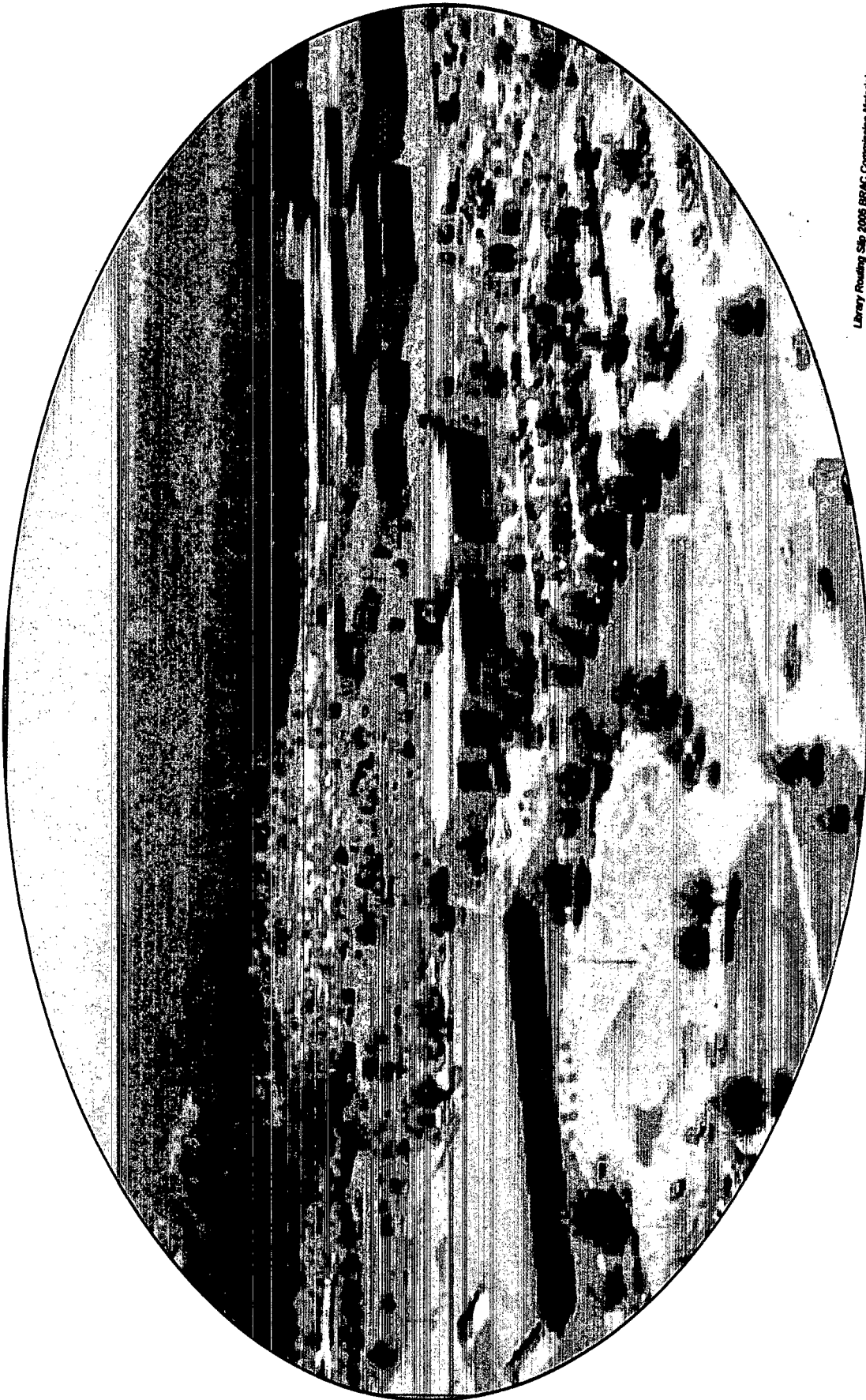


# Naval Submarine Base, Kings Bay



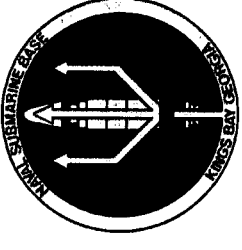
103-06A -NMC23 - Base Input  
Navy/MC - Naval Submarine Base, Kings Bay-GA  
**BRAC COMMISSION - FY 2005**  
COFF: \_\_\_\_\_ DISPOSITION: Permanent

**17 JUNE 2005**

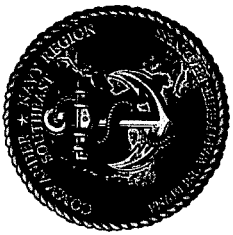
Library Reading Slip 2005 BRAC Commission Materials  
Title of Item: Naval Sub Base, Kings Bay  
Installation or Community: NSB Kings Bay, GA  
Source: BAAL  
Certified Material? yes  no   
Analyst / Provider: Hal Tickle Date Received: 6/17/05



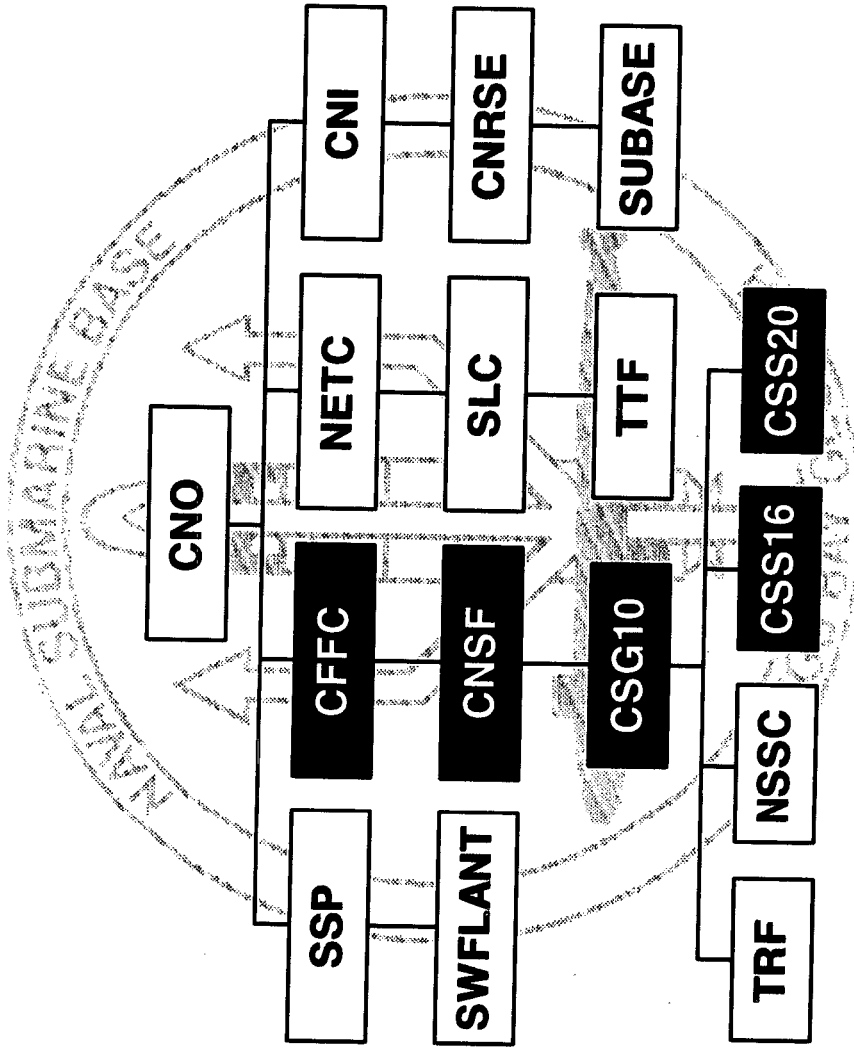
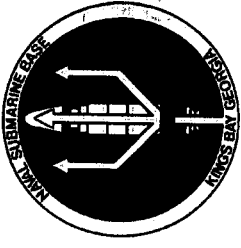
# Mission - Vision - Guiding Principles

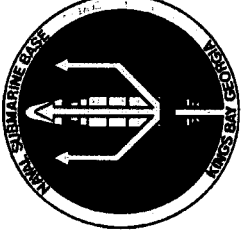
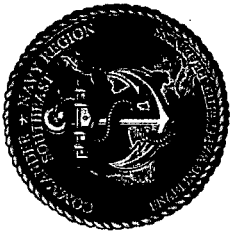


- **Mission – Deliver Support to the Strategic Warfighter**
- **Vision – One Team....Focused on the Warfighter**
- **Guiding Principles**
  - Operate with the focus on the customer
  - Committed to the success of our people
  - Make a difference through integrity, unity, and professionalism
  - Lead forward to meet challenges with teamwork, innovation, stewardship, and open communication



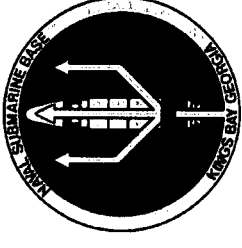
# Kings Bay Major Commands & Claimants





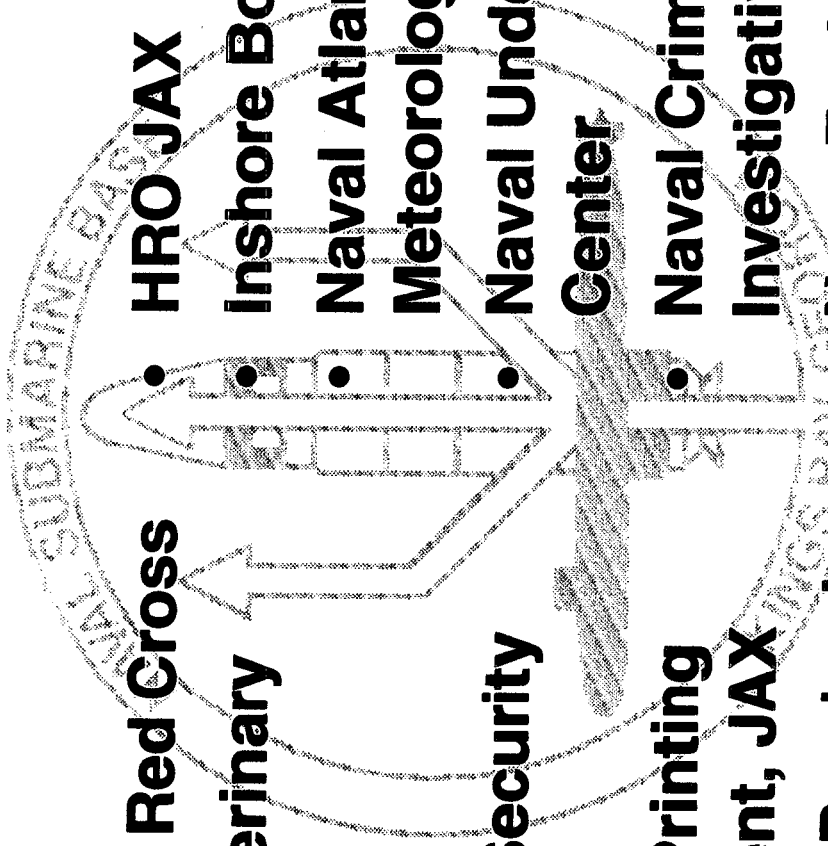
# Who We Support

- **Commander Submarine Group Ten**
  - **Commander Submarine Squadron Sixteen**
  - **Commander Submarine Squadron Twenty**
  - **Trident Refit Facility**
  - **7 SSBNs & 2 SSGNs (NORVA – shipyard conversion)**
- **Trident Training Facility**
- **Strategic Weapons Facility Atlantic**
  - **Marine Corps Security Force Company**
- **Other Navy/Government: 26**
- **Non-Government Tenants: 8**



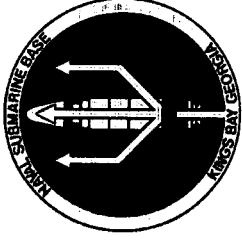
# Who We Support

- American Red Cross
- Army Veterinary Services
- DeCA
- Defense Security Service
- Defense Printing Detachment, JAX
- FISC JAX Purchasing & Personal Property
- HRO JAX
- Inshore Boat Unit
- Naval Atlantic Meteorology & Ocean Det
- Naval Undersea Warfare Center
- Naval Criminal Investigative Service
- Navy Exchange



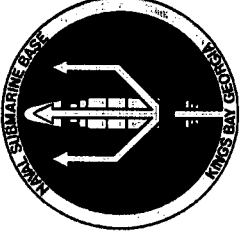


# Atlantic Fleet SSBN Force



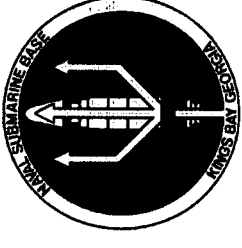
- **USS TENNESSEE (SSBN 734)**
- **USS WEST VIRGINIA (SSBN 736)**
- **USS MARYLAND (SSBN 738)**
- **USS RHODE ISLAND (SSBN 740)**
- **USS MAINE (SSBN 741) \***
- **USS WYOMING (SSBN 742)**
- **USS LOUISIANA (SSBN 743) \***

\* Homeport Shift to KITSAP 01 Oct 2005



# SUBBASE SNAPSHOT

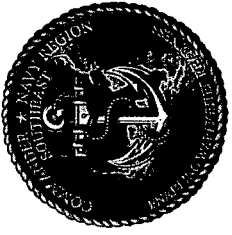
- **Provide Support to 40+ Tenant Commands:**
  - AT/FP for a ROC 1 Installation
  - East Coast Support for the Trident D5 Weapons System (the Submarine, its Crews and the Missile/Launch Support System)
  - \$1.2B Construction Project on 16,944 acres / 25 square miles
  - 8553 total employees (2224 Civilians, 4724 Military, 1605 Contractors)
    - SUBBASE ~ 167 Civilians, 285 Military, 175 MWR
    - \$65.7 million budget
  - \$449 million payroll
  - Superb QOL and FFSC programs
  - Unique utility support infrastructure
  - Unique training, refit and weapons facilities
- **Advocate for:**
  - Installation and Fleet Support Issues



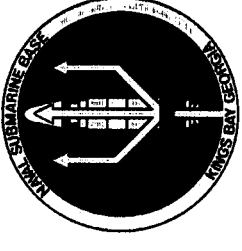
# Public Works - Property

- **Plant Replacement Value (PRV) \$2.2B – FY05**
  - **Facilities: Class II Property**
    - 450 Buildings
      - 166 Family Housing (665 Units)
      - 18 Barracks (1, 490 Beds, 1010 Rms (1+1), 152 Rms (2+0))
    - 216 Structures (Bridges, Towers, Gates, etc.)
    - 140 Miles of Paved Road
    - 12.7 Miles of Railways
  - **Real Property: Class I Property**
    - 16,944 acres (25 Square Miles)
      - Restricted Easement (Marsh) = 4,120 acres
      - Wetlands = 4,036 acres
      - Developed = 3,732 acres
      - Undeveloped = 5,056 (~ 2,500 acres outside ESQD arcs)





# Public Works

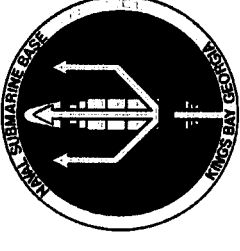


## Utility Uniqueness

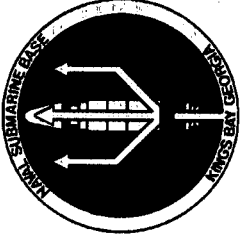
- **Self-Sustained Base**
- **Military Owned and Operated Utilities**
  - **230 KV Electrical Distribution System**
    - 70 MW Capacity, 36 MW Demand, 34 MW EXCESS
    - Unmatched Cost Effectiveness and Savings
  - **36 MW Diesel Gen (Backup and Peak Power Demand)**
  - **2.9M GPD Water Supply and Treatment System**
    - Current Demand 1 M GPD; 1.9 M GPD EXCESS
  - **1.5M GPD Waste Water Capacity (Upper Base)**
    - Current Demand 0.75 M GPD; 0.75 M GPD EXCESS
  - **0.75M GPD Waste Water Capacity (Lower Base)**
    - Current Demand 0.15 GPD; 0.6 M GPD EXCESS
  - **\$15M Phone, LAN Fiber Optic Distribution System**



# Future Mission Changes



- **Planned Loss of TWO SSBNs (Oct 2005)**
  - **USS MAINE**
  - **USS LOUISIANA**
- **WARFIGHTER GROWTH**
  - **Plan of Record Show TWO SSGNs**
    - **USS FLORIDA (Home Port Shift FY06)**
    - **USS GEORGIA (Home Port Shift FY08)**
  - **350 Master At Arms to Provide Waterfront Restricted Area Security by October 01, 2005**

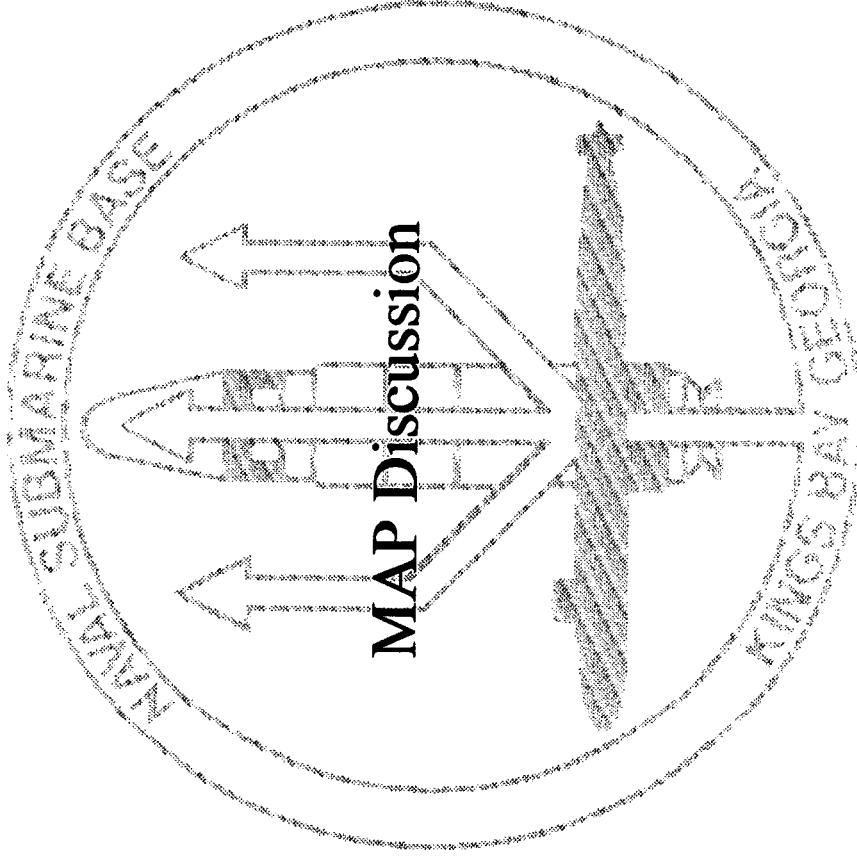
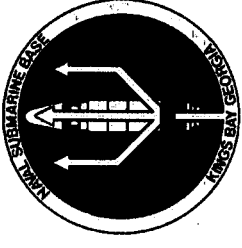


# BRAC Recommendation

- **Close NLON - relocate to Norfolk and Kings Bay**
  - Submarine Learning Center Command
  - Naval Submarine School
  - Submarine SSN Squadron Support
  - SSN Submarines
  - **USS SHIPPINGPORT (ARDM 4)**
  - IMA Repair Support
  - Medical Support
- **RELOCATE Nuclear T&E at NOTU to SWFLANT**
  - **USNS WATERS**
  - Fleet and Operational Support
  - Mission Support Infrastructure

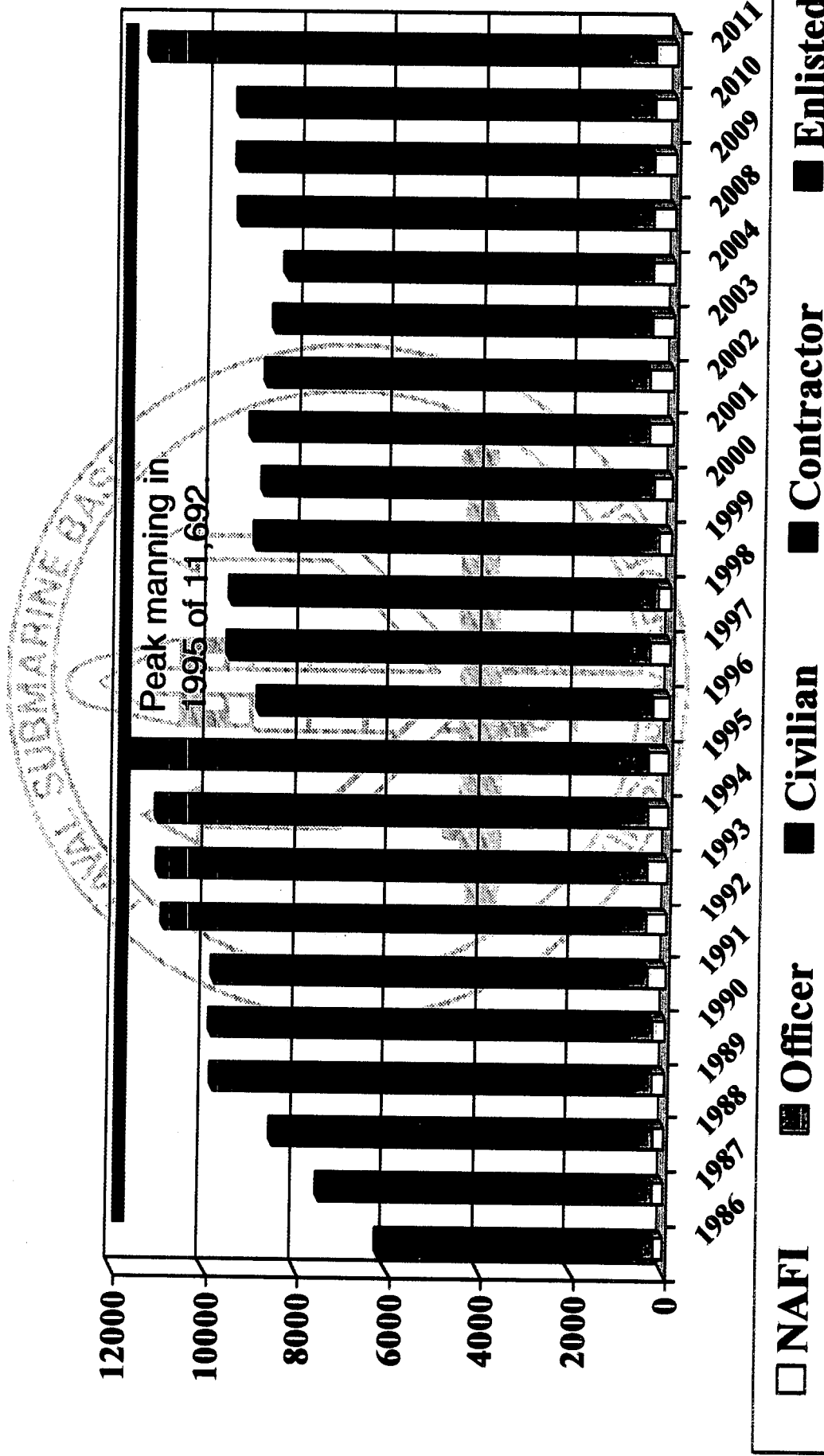
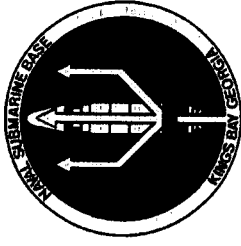


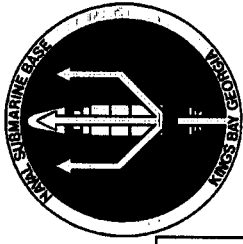
# SUBBASE Vision - 2008





# Naval Installation Manpower



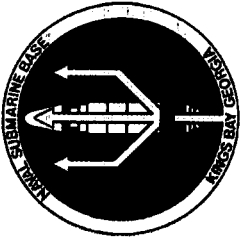


# BRAC MILCON - New London

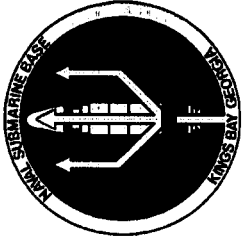
Action #	FAC CODE	FAC DESC	Unit of Measure	QTY (based on UM) (#)	Rehab (based on UM) (#)	Type (List)	Total Cost*
2	1511	Berthing Pier	SY	5,556			11,100,000
6	1712	Applied Instruction - sub school	SF	269,081			56,854,000
6	1721	Operational Trainer - sub school	SF	146,585			32,630,000
6	1732	Training Material Storage	SF	3,466			539,000
6	6100	Administrative Space - sub school	SF	60,284			10,097,000
6	7431	Auditorium & Theater Facility	SF	7,131			1,159,000
2	4211	Magazine, Torpedo	SF	5,432			1,363,000
2	4211	Magazine, DOSA	SF	3,024			759,000
2	4211	Magazine, Tomahawk	SF	9,720			3,788,000
6	7210	Enlisted Unaccompanied Housing	SF	286,000			51,728,000
8	6100	Administrative Space - sub learning ctr	SF	11,000			1,842,000
6	8521	Parking - school and center	SY	95,000			5,229,000
6	8122	Street/Parking Lighting	LF	7,500			99,000
6	8511	Roads - school & center	SY	5,000			134,000
2	8261	Waterfront Utility Plant	SF	10,000			9,209,000
2	1498	Entry Control Point	SF	108			950,000
2	1431	Waterfront Operations Bldg	SF	0	9,197	Amber	184,000
6	8261	Satellite Thermal Plant - school, center & additional BQs.	SF	10,000			12,262,000
6	7522	Soft Ball Fields	EA	6			1,362,000
2	8311	Wastewater Treatment Plant	EA	1			3,896,000
2	8321	Sanitary Sewer System	EA	1			927,000
2	8412	Water Treatment Facilities	EA	1			3,153,000
2	8421	Potable Water Distribution System	EA	1			2,411,000
2	8111	Electrical Power Plant	EA	1			8,800,000
2	8121	Electrical Distribution Lines	EA	1			4,785,000
2	8131	Electrical Substations	EA	1			3,575,000
6	5501	Ambulatory Health Care Clinic	SF	32,139			8,608,000



# BRAC MILCON - NOTU



1721	Simulator Facility	SF	17,000			3,784,000
2123	Missile/Launcher Maintenance Support Facility	SF	10,000			2,023,000
2126	Intercontinental Ballistic Missile Proc.	SF	25,000			11,828,000
3121	Missile and Space RDT&E Facility	SF	30,000			10,810,000
3191	Misc Item and Equipment RDT&E Facility	SF	35,000			6,236,000
4421	Covered Storage Building, Installation	SF	35,000			3,222,000
4423	Hazardous Materials Storage, Installation	SF	2,400			356,000
6100	General Administrative Building	SF	60,000			10,049,000
8521	Vehicle Parking, Surfaced	SY	21,000			1,156,000
8122	Exterior Lighting Lines	LF	11,000			146,000
8511	Road, Surgaced	SY	14,000			374,000
8522	Vehicle Parking, Unsurfaced	SY	90,000			730,000
8321	Sewer and Industrial Waste Line	LF	11,000			680,000
8421	Water Distribution Line, Potable	LF	6,000			281,000
8121	Electrical Power Distribution Line	LF	15,000			574,000
8121	Electrical Power Distribution Line	LF	600			23,000
8131	Electrical Power Substation and Switching	KV	60,000			4,772,000
8121	Electrical Power Distribution Line	LF	600			280,000
	Total					57,323,000



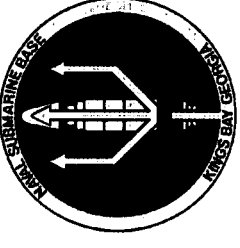
# NOTU Gap Analysis

Title	Data Call	Baseline May 05	Gap	Est. Cost
Warehouse	72,400	69,300	3,100	-\$421,600
Production	65,000	70,625	-5,625	\$2,134,125
Telemetry	0	6,100	-6,100	\$2,311,900
Training	17,000	9,712	7,288	-\$1,625,224
Administrative	60,000	90,100	-30,100	\$5,056,800
Total	214,400	245,837	-31,437	\$7,456,001





# BRAC Construction Timeline



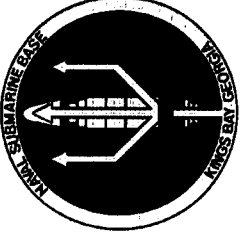
## SSN PIER CONSTRUCTION

Best Case / Worst Case

Receive Funds / Start Date	NOV 05	JAN 06
Perform Environmental Assessment (Perform simultaneously the following)	NOV 06	JAN 08
- Prepare DD1391 (1 month)		
- Prepare Design/Build RFP (2 months)		
- Advertise & Award Contract (3 months)		
Facility Complete (12 to 18 months)	NOV 07	JUL 09



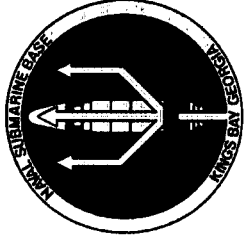
# BRAC Construction Timeline



## SUB SCHOOL & BH CONSTRUCTION

### Best Case / Worst Case

Receive Funds / Start Date	NOV 05	JAN 06
Perform Environmental Assessment (Perform simultaneously the following)	NOV 06	JAN 08
- Prepare DD1391 (2 month)		
- Prepare Design/Build RFP (3 months)		
- Advertise & Award Contract (3 months)		
Facility Complete (24 to 30 months)	NOV 08	MAY 10

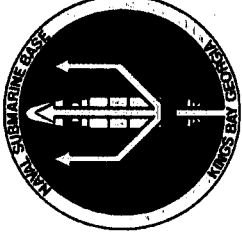


# Other Significant Costs

- **Refit Support Building – Manpower Efficiency Need Near Site IV**
  - Estimated cost of \$2.35 Million
- **Dive Tower – may deviate from estimated location, existing NLO MILCON Project P462**
- **Trainers**
  - If Required to Accommodate early SSN arrival
- **Pier Space**
  - USNS Waters was considered separately from other scenarios
  - Additional pier space required 500 feet x 60 feet
  - Estimated cost of \$6.7 Million
  - One time unique cost for refurbishment not required if additional pier space is built.
  - Estimated cost avoidance 7.22 Million



# Family Housing Availability and Condition

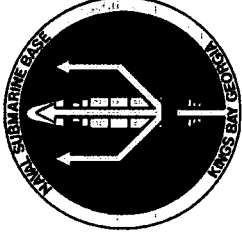


- **Capacity (20 Trident Crews and BOS)**
  - 665 units
  - 171 units Vacant (w/ 14 Trident Crews)
- **Condition – Excellent**
- **2 SSBN Loss / 2 SSGN Gain - No Effect**
- **6 SSN Gain Returns Base to Original Level**
- **468 Active Listings for Units Off Base**
  - Off Base Support for ~1000 Personnel Required
  - 500 to 600 units required over 2-4 year period
  - History shows roughly 20% will live in NE FL



# Bachelor Housing

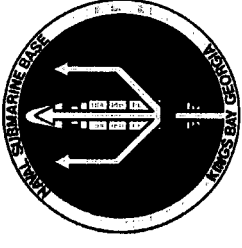
## Availability and Condition



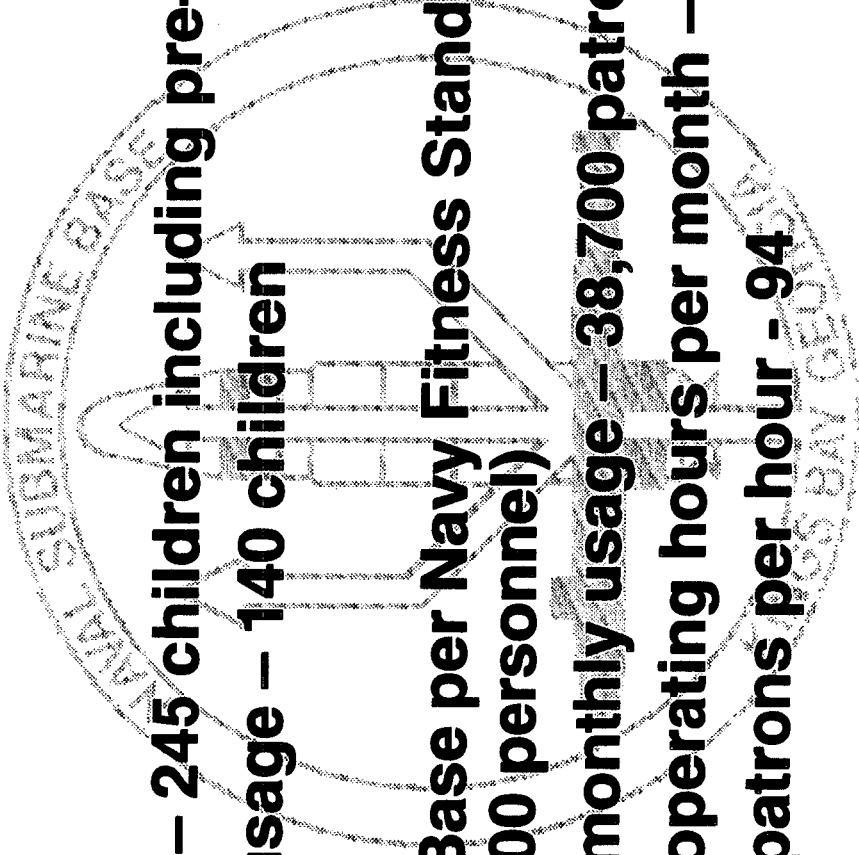
- **Capacity (20 Trident Crews, ITF and BOS)**
  - 1,490 Beds - 1010 Rms (1 + 1 std), 152 Rms (2+0 std)
  - 575 Beds Vacant (w/ 14 Trident Crews)
- **Condition – Excellent**
- **MA Mission Expansion - 264 Beds (1+1 Std)**
- **Future Excess Capacity - 311 Beds (1+1 Std)**
  - 184 Non-mandatory Residents (current)
  - 495 EXCESS IF Non-mandatory Residents Vacated
- **BRAC Military Plus-Up – 1,831 Enlisted & Students in Must House Category**
  - 763 Rooms needed
    - 612 two-man rooms, 151 one-man rooms



# On Base Infrastructure Adequacy

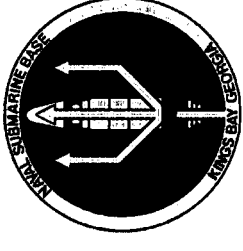


- **CDC**
  - Capacity – 245 children including pre-school
  - Current usage – 140 children
- **Gym**
  - Medium Base per Navy Fitness Standards (3,001-7000 personnel)
  - Average monthly usage – 38,700 patrons
  - Average operating hours per month – 410
  - Average patrons per hour - 94
- **Pool**
  - Open Jun thru Aug
  - Patrons per month – 5,800 patrons





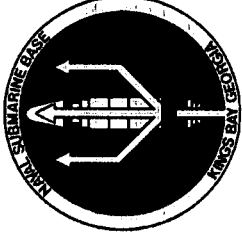
# On Base Infrastructure Adequacy



- **Youth Center**
  - Capacity – 150 elementary age/teens
  - Current usage – 85 elementary age/teens
- **Liberty Program**
  - Increase in staff will be required
  - Facility and equipment adequate
- **NEX/Commissary – Recent Additions**
  - Commissary - 18,000 sq feet for total retail space of 53,000 sq feet
  - NEX - 10,500 sq feet for total retail space of 29,700 sq feet
  - Designed for military population of 7,600



# On Base Infrastructure Adequacy



- **Medical**
  - Requires 31,000 sq. ft. to support increase population
  - May be modularized for effectiveness and efficiency
- Chapel**
  - Chaplain Manning Fully Expected to be Adequate to Handle Increased Counseling Sessions
  - Marginal Impact on Catholic Worship Service
  - No Impact on Protestant Worship Service
- **Local Schools**
  - Excess Capacity Exists - Can Absorb 1,500 Students
  - Previous OEA Grants for Schools
    - Approximately \$32,930,147



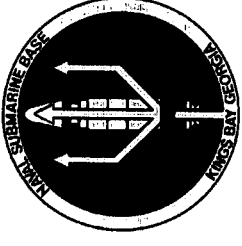
# Naval Submarine Base, Kings Bay



**Deliver Support to the Strategic Warfighter**



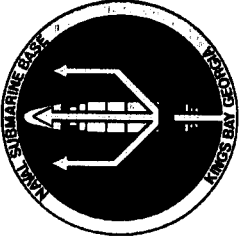
# Anticipated Economies & Synergies



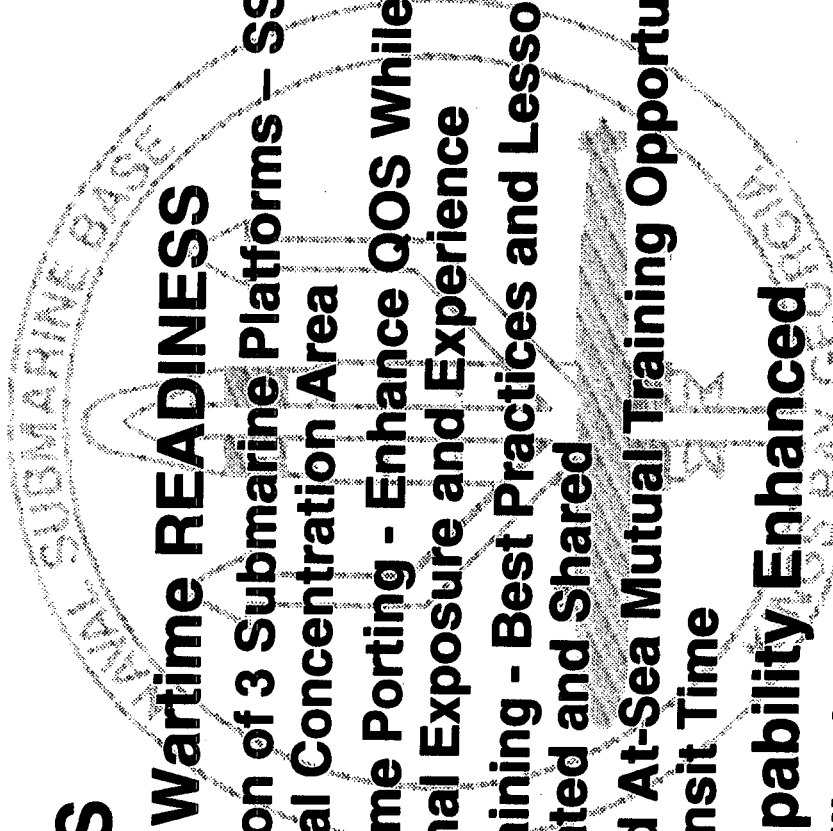
- **ECONOMIES**
  - **CLOSE NLON - MOVE TO NORVA & KBAY**
    - Payback - Over a 3 year period
    - Net Savings - \$1.576B over next 20 years
  - **RELOCATE NOTU TO SWFLANT**
    - Payback - Over a 7 year period
    - Net Savings - \$61.4M over next 20 years
  - **Reduce Overhead - BOS/CNRNE/CSG/IMF**
  - **Excess Land Capacity with No Encroachment Issues**
    - Can Easily Support Future Mission and Contingency Growth While Minimizing Cost

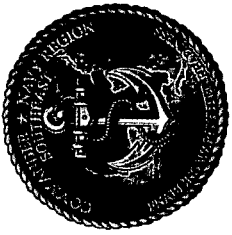


# Anticipated Economies & Synergies

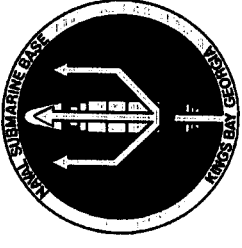


- **SYNERGIES**
  - **Enhanced Wartime READINESS**
    - **Co-location of 3 Submarine Platforms – SSBN, SSGN & SSN - Near Naval Concentration Area**
    - **Sailor Home Porting - Enhance QOS While Improving Operational Exposure and Experience**
    - **Cross Training - Best Practices and Lessons Learned Easily Incorporated and Shared**
    - **Enhanced At-Sea Mutual Training Opportunities with Minimal to No Transit Time**
  - **SURGE Capability Enhanced**
    - **Target Utilization of Repair Resources Where Needed to Meet Military Contingencies**





# Anticipated Economies & Synergies



- **SYNERGIES (cont.)**
  - **AT/FP Enhancement**
    - Leverage off ROC 1 and NWS Requirements
  - **Nuclear Repair Capability**
    - Repair Expertise and Experience Broadened
    - Minimize Impact for Future Manning Reduction Studies
  - **No lost transit days for SSNs to transit to Kings Bay for Deperming Operations**
    - Build DEPERM OPS into SSN Upkeep

