





# 2004 Report to Defense Base Closure and Realignment Commission

July 2004

NAS Brunswick Task Force  
Chamber of Commerce of the Bath/Brunswick Region  
59 Pleasant Street  
Brunswick, Maine 04011  
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Patrol Squadron 10

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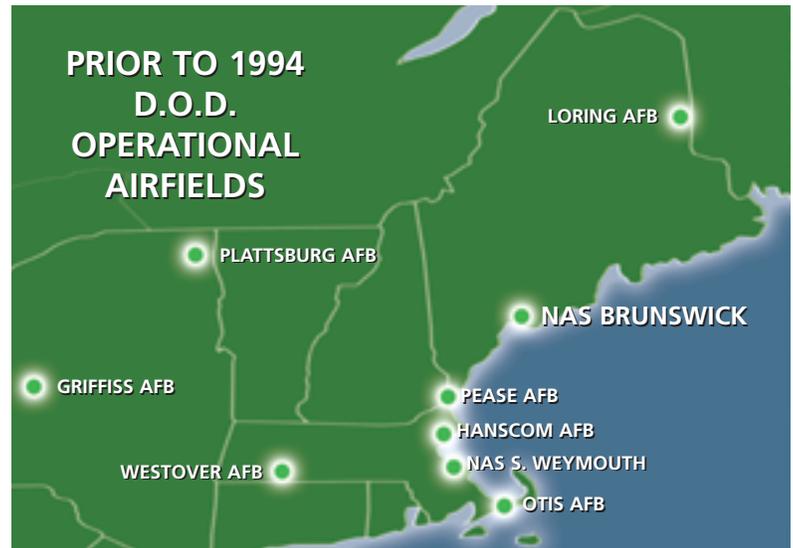
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*One of the key components of NAS Brunswick's high military value is its flexibility.*

## EXECUTIVE SUMMARY

**NAS Brunswick is the only military facility capable of providing aerial surveillance and interdiction of the US northeast coast and maritime approaches, a capability that is absolutely essential for effective homeland security.** Its high military value stems from its strategic location, 63,000 square miles of unencumbered air-space, no encroachment issues or environmental concerns, and a significant capacity for growth. It is imperative to our national security to keep NAS Brunswick fully operational.

Currently the home for four active and two reserve squadrons, NAS Brunswick is a master airfield for U.S. and NATO Maritime Patrol Forces. In addition, NAS Brunswick is integral to the shipbuilding efforts of Bath Iron Works by providing crew support through the Supervisor of Ship Building (SUPSHIPS) Bath, Maine. NAS Brunswick currently employs 5,227 personnel, with 817 civilians. It is Maine's second largest employer and will contribute \$243 million to the regional economy during FY2004.



Since BRAC 95, NAS Brunswick has for the most part been rebuilt and is essentially a new air station. There are no aircraft in the DOD's inventory that it cannot support either in a transient role or permanent assignment. Operating costs have been substantially reduced and no construction is needed to support future growth.

One of the key components of NAS Brunswick's high military value is its flexibility. With the threat to our national security a moving target, transformation of the force structure to meet the threat will require constant recalibration and change. The supporting infrastructure must be able to adapt quickly and at reasonable cost. NAS Brunswick is ideally situated to meet the challenge.



***As we look back at 9/11,  
we urge all decision-makers  
to remember that the primary  
thrust of the attack was in  
New York City and that  
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areas in the United States.***

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*Iraqi Freedom Transient Aircrew*



*Marine Corps Harriers returning from Iraq*



*Townhouse-style housing at NAS Brunswick*

## INTRODUCTION

Brunswick, Maine, is located 1/2 hour north of Portland, Maine’s largest city, and 2 1/2 hours north of Boston. With a regional population of 70,000, Brunswick is home to the Naval Air Station Brunswick (NAS Brunswick), originally built in 1943. Completely renovated and updated since 1997, NAS Brunswick employs more than 5,000 active duty, reserve and civilian personnel. NAS Brunswick houses four active and two reserve squadrons and is the only active duty DOD airfield in the Northeast United States.

### 1. PURPOSE

The citizens of the Bath-Brunswick Region and of Maine have formed the Brunswick Naval Air Station Task Force to provide information that is relevant, accurate, complete and verifiable to the Base Closure and Realignment Commission (BRAC) and to all decision makers in the BRAC process. The Task Force has written and issued this report.

### 2. BACKGROUND

In 1988, 1991, 1993 and 1995, neither the Department of Defense (DOD) nor then current Base Realignment and Closure Commissions recommended closure or realignment for NAS Brunswick. All of the logic that justified those decisions remains valid today. In fact, the military value of NAS Brunswick is even greater today when viewed under the Selection Criteria for the BRAC 2005 process:

- Current and future military capability;
- Availability and condition of land, facilities, and airspace;
- Ability to accommodate future total force requirements;
- Cost of operations and manpower implications;
- Costs and savings of closure;
- Economic impact on local communities;
- Local economy;
- Community infrastructure to support forces; and
- Environmental impact

The balance of this report examines these criteria as they are manifested at NAS Brunswick.



NAS Brunswick

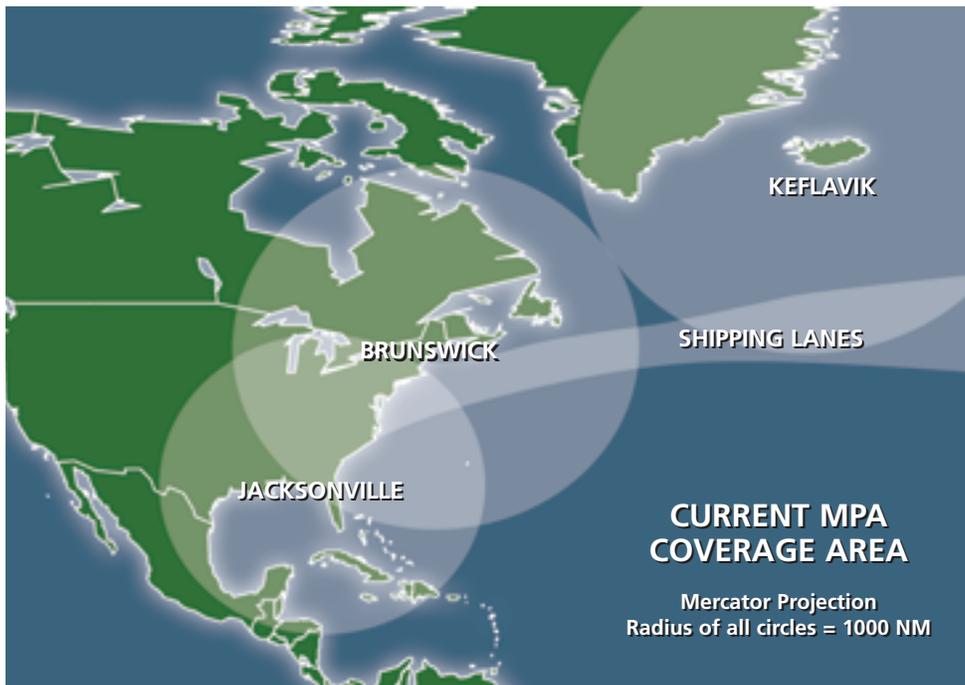
*NAS Brunswick is the only fully capable and operational DOD airfield remaining in the northeastern United States.*

## CURRENT AND FUTURE MILITARY CAPABILITY

### CURRENT CAPABILITY

#### 1. STRATEGIC LOCATION

NAS Brunswick is the only fully capable and operational DOD airfield remaining in the northeastern United States. It is strategically located adjacent to great circle routes for ships and aircraft crossing the North Atlantic.



Its unique location near these routes makes it a vital link in our national defense posture and critical for homeland security, including surveillance of ships coming from Europe, the Mediterranean, and the Middle East. NAS Brunswick was a key base for homeland defense during the months following September 2001, providing surveillance missions under Operation Vigilant Shield, and land-based combat air patrol for navy ships at sea.

Indeed, this location close to major population centers, combined with the ability to support every aircraft in the DOD inventory (including C-5, KC-10 and B-52 aircraft, as well as Air Force One), make NAS Brunswick essential across the full range of

Homeland Defense operations and contingencies. (NAS Brunswick’s role during Operation Iraqi Freedom is described in Figure 1). It is a preferred re-fueling stop for tactical jet and turbo-prop aircraft crossing the Atlantic Ocean.

Significantly for force protection, NAS Brunswick is the only airfield in the Region with a completely secured perimeter for military operations. This advantage is even further enhanced by approach and departure paths over the adjacent open ocean, optimal for flight security as well as the safe conduct of operations involving live weapons.

#### “Operation Iraqi Freedom” Support

All four NAS Brunswick active-duty P-3 squadrons flew in Iraq

NAS Brunswick hosted or provided logistical support for over 117 aircraft returning from Middle East operations:

- 66 F/A-18
- 32 A/V-8
- 17 C-130
- 6 C-40
- 2 C-9

859 DOD personnel returned to CONUS through NAS Brunswick

Figure 1

*Today, more than 1,100 Naval Reservists travel from throughout the Region to drill at NAS Brunswick.*

## 2. PREMIER SITE FOR U.S. AND ALLIED MARITIME PATROL AIRCRAFT TRAINING AND OPERATIONS

Home to the four active duty squadrons of Commander, Patrol and Reconnaissance Wing FIVE, NAS Brunswick provides basing and support essential to the entire Maritime Patrol Aircraft (MPA) force under the Navy's new Fleet Response/Flexible Deployment concept.



MMA Concept Aircraft

This concept increases the proportion of MPA aircraft and crews at bases in the continental United States, and requires them to maintain a high state of readiness for immediate surge deployments to forward bases. NAS Brunswick, with its immediate access to over 63,000 square miles of unencumbered airspace over the North Atlantic, as well as Maine and New Hampshire, enables its squadrons to maintain the highest state of training and readiness.

The air station currently has in place and in service an Operational Flight Trainer (2F87) used for pilot training and proficiency, and a Weapons Systems Trainer (2F140) for aircrew training and proficiency. NAS Brunswick also operates the Small Point Mining Range, located 14 miles

southeast of the main station, where splash points of practice mines are observed and recorded, as well as the Redington Training facility, located 70 air miles northwest, where Tomahawk missile testing has been conducted. These trainers and facilities, the station's side-by-side runways, and outstanding support contribute to NAS Brunswick's status as a premier site for U.S. and allied MPA training and operations.

## 3. NAVAL RESERVE CENTER OF EXCELLENCE

Recognizing the station's outstanding qualities as a training site, the Naval Air Reserve moved its units from other northeast U.S. locations to NAS Brunswick subsequent to the 1995 BRAC process.

Drawing on the advantages of collocation with its active-duty counterparts, the Reserve MPA squadron at Brunswick (VP-92) has since then been consistently recognized as the best P-3 squadron in the Reserve Force. NAS Brunswick is also home to a Reserve C130 squadron, which provides essential cargo and personnel airlift to Navy commands worldwide. NAS Brunswick's location and 24/7 support enable this squadron to meet its demanding, high-tempo operations.



Naval Air Reserve C-130 Aircraft

In addition to these two squadrons, NAS Brunswick also provides support and training facilities to a wide variety of other Reserve "hardware" units. In 2001 the Naval Reserve added to this

*NAS Brunswick's side-by-side 8,000-foot runways permit simultaneous VFR operations and provide an ideal setting for UAV operations.*

mix by relocating its non-aviation units from Portland to Brunswick in order to take advantage of the station's assets and efficiencies.

Today, more than 1,100 Naval Reservists travel from throughout the Region to drill at NAS Brunswick. **With no other basing option remaining in the northeast U.S., closing the base would mean the loss of all these Navy assets, and indeed the loss of the entire regional demographic to the Naval Reserve.**

#### 4. NATO AND INTERNATIONAL OPERATIONS CAPABILITIES

NATO has recognized the importance of NAS Brunswick to its operational capability, and backed up that recognition with significant investment in base facilities. The station's NATO-built fuel farm regularly supports all types of foreign aircraft. Its state-of-the-art Tactical Support Center, also NATO-funded, provides essential command and control for operational and exercise flights by U.S. and NATO MPA aircraft staged at NAS Brunswick.



NATO-built fuel farm

#### 5. SUPPORT OF NON-AVIATION ACTIVITIES

Approximately twenty percent of NAS Brunswick's activities, facilities, and services directly support the shipbuilding program at nearby Supervisor of

Shipbuilding (SUPSHIPS), Bath and the Bath Iron Works Corporation (BIW). The nucleus crews of ships under construction and Navy personnel assigned to SUPSHIPS staff receive berthing and messing support at NAS Brunswick, plus medical, dental, some family housing, personnel support, and a wide variety of essential "people support" activities conducted at most large military bases. NAS Brunswick also provides ammunition, weapons, and other support for the aircraft and helicopters used by BIW and SUPSHIPS for combat systems trials.



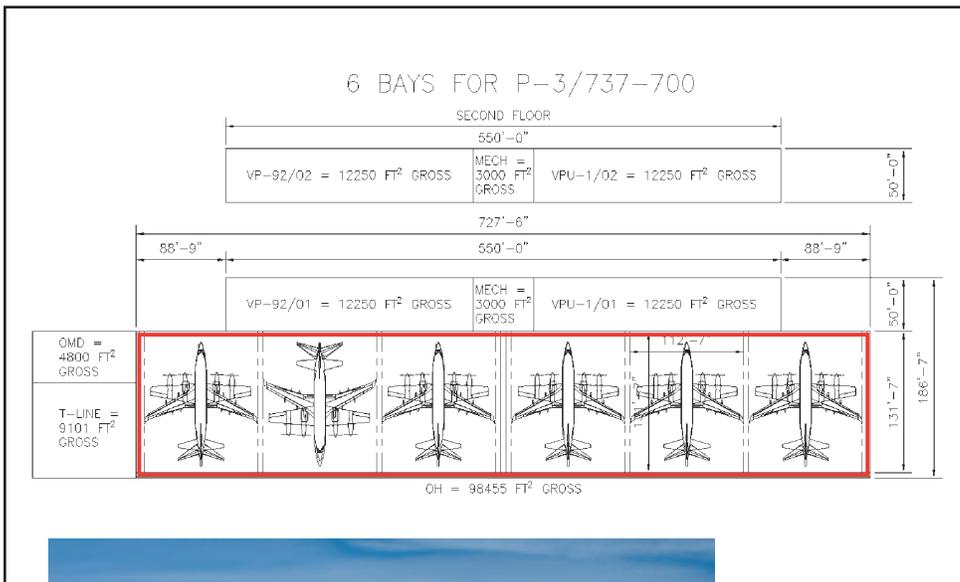
Bath Iron Works

In addition to SUPSHIPS, NAS Brunswick supports numerous other non-aviation activities. Among these is the Atlantic Fleet Survival, Evasion, Resistance, and Escape (SERE) program conducted at the Redington Training Facility's 12,468-acre site. Other supported units include the Marine Corps Reserve and NMCB 27, a fully capable Seabee Battalion.

NAS Brunswick is **ready now** for the future of Maritime Patrol Aviation.

**FUTURE CAPABILITY**

**1. MULTI-MISSION MARITIME AIRCRAFT BASING AND SUPPORT**



NAS Brunswick is ready now for the future of Maritime Patrol Aviation, the Multi-Mission Maritime Aircraft (MMA). Scheduled to replace the P-3C starting in about 2012, the airframe for the MMA is currently being identified. NAS Brunswick's facilities are optimal for MMA: its newly completed MPA Hangar (Figure 2) is designed specifically to accept all of the airframe types currently under consideration for the MMA.

Integral to the MMA program is the Broad Area Maritime Surveillance (BAMS) Unmanned Aerial Vehicle (UAV). The BAMS UAV will augment the MMA aircraft in most mission areas, and will also be procured by the Air Force for overland surveillance missions. NAS

Brunswick's side-by-side 8,000-foot runways permit simultaneous VFR operations and provide an ideal setting for UAV operations. The station provides an economical and effective option for basing both Navy and Air

Force BAMS UAV units. NAS Brunswick has room to accept all seven Atlantic Fleet MPA squadrons (plus one C-130 squadron) and provide basing for UAV units and operations.

**2. ARMED FORCES RESERVE CENTER**

The Adjutant General of Maine's National Guard contingent has identified NAS Brunswick as the ideal location for a joint Armed Forces Reserve Center (AFRC), and is currently organizing such an establishment. The AFRC will bring together National Guard and Air National Guard units at the Air Station. NAS Brunswick's location, facilities, and full-time support will enable efficiencies and economies not possible under the existing dispersed basing of these units. Establishing the AFRC at NAS Brunswick is currently the "top priority" for the Guard in Maine.



Newly-constructed Hangar #6

Figure 2



Unmanned Aerial Vehicle (UAV)

*NAS Brunswick has all the advantages necessary to become the center of excellence for Joint Forces Special Warfare unit basing, training, and mobilization in the eastern U.S.*

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### **3. MARITIME INTERDICTION CENTER**

Interception and interdiction of seaborne threats, including possible carriers of weapons of mass destruction, before they can reach the United States, has emerged as a critical aspect of homeland defense.

**Brunswick's strategic location, adjacent to all North Atlantic approaches to the U.S., combined with its ability to support Navy, Coast Guard, and Special Forces units of any type, makes it ideal as a locus for these capabilities and operations.**

### **4. AERIAL REFUELING MASTER BASE**

Extensive ramp space for aircraft parking, dual parallel runways, and superb all-weather capability make NAS Brunswick available now to be an outstanding base for any of DOD's aerial refueling units, including KC-10 and future 767 tanker aircraft. Here again, Brunswick's superb siting makes it both effective and efficient for transatlantic refueling, battle group support, and aerial refueling training.

### **5. FIGHTER SQUADRON BASING AND SUPPORT**

Along with current Maritime Patrol Aviation (MPA) and future Multi-Mission Maritime Aircraft (MMA) basing and support, NAS Brunswick has the capabilities and potential to provide a basing option for an active duty or reserve fighter squadron. From the dual side-by-side runways and hangars, including the new Hangar #6, to the Aviation Intermediate Maintenance Detachment (AIMD) spaces and all of the other support facilities previously discussed, NAS Brunswick is ideally situated to add to its Homeland Security role and missions. Fighter aircraft and aircrews based in Brunswick would be closer to major Northeast cities/population areas and thus have reduced flight time to be on-scene in the event of a crisis or emergency. Personnel and equipment would also be afforded the opportunity to train and operate in the New England seasonal environments they are likely to encounter in real world operations.

### **6. SPECIAL WARFARE CENTER OF EXCELLENCE**

NAS Brunswick has all the advantages necessary to become the center of excellence for Joint Forces Special Warfare unit basing, training, and mobilization in the eastern U.S. This capability has already been proven in Joint Exercises such as "Essex Mountain" and "Highland Contact", and is due to Brunswick's easy accessibility, availability of diverse facilities and terrain, and four-season climate.

*NAS Brunswick has immediate access to more than 63,000 square miles of unencumbered airspace...*

## AVAILABILITY AND CONDITION OF LAND, FACILITIES, AND AIRSPACE

### 1. LOCATION AND CAPACITY

NAS Brunswick is located 20 miles northeast of Portland on the relatively flat Maine seacoast. The main station occupies 3,091 acres, of which fewer than half have been developed. This substantial undeveloped capacity is supported by existing infrastructure and is available for immediate use for new facilities, enabling significant expansion of the station’s missions and functions if required.

NAS Brunswick also maintains an additional 261 acres at the Topsham Annex, and a 66-acre completely undeveloped parcel in Brunswick, 1.5 miles from the main station. There is also one off-base military housing area, and a remote antenna site. Notable for its capacity for future use, the station’s Redington Training Site consists of 12,466 acres located 70 air miles north of Brunswick near Rangeley, Maine.

NAS Brunswick has no encroachment or environmental issues that would inhibit expansion, and it has building-free clear zones off the ends of both runways. Its coastal location permits departures and arrivals over open ocean. Combined with the base’s completely secured perimeter (the only fully secure airfield in the northeast), this ideal setting maximizes force protection and flight security.



Figure 3

### 2. AIRSPACE

NAS Brunswick has immediate access to more than 63,000 square miles of unencumbered airspace, including 35,000 square miles of designated over water operating areas less than 15 minutes’ flight time from the base. (Figure 3). This available airspace makes NAS Brunswick ideal for full mission flight crew training in any type aircraft.

*With all of its recent and current improvements and upgrades, NAS Brunswick is essentially a brand-new airfield ready for increased use now.*

### 3. FACILITIES

**Flight Facilities** – NAS Brunswick’s two parallel runways, each 8,000 feet long and 200 feet wide, can operate all aircraft in the current or anticipated DOD inventory. Structural aircraft apron (ramp) space totals 4.5 million square feet, sufficient to park 86 maritime patrol or other large aircraft under normal operating conditions, or more than 250 such aircraft under maximum surge conditions.



NAS Brunswick’s two parallel runways

In the last four years, the entire airfield has been upgraded at a cost of \$9.5 million, including reconstruction of both runways and all taxiways. A new \$2.4 million environmentally friendly rinse and de-ice facility has accompanied substantial improvements to the aircraft parking areas.

NAS Brunswick is an all weather air station, with fully IFR-equipped (ILS/PAR/TACAN) 24-hour operations year-round. The parallel runway configuration, ideal for UAV operations, permits dual runway use during VFR conditions. A new state-of-the-art \$ 9.8 million airport tower and radar air traffic control facility is now under construction,

and will contain over \$5 million worth of new electronic equipment. With all of its recent and current improvements and upgrades, NAS Brunswick is essentially a brand-new airfield ready for increased use now.

**Aircraft Hangars and Support Facilities** – NAS Brunswick has four large aircraft hangars suitable for maritime patrol or other large aircraft. Notable is the new \$32 million six-bay hangar, specifically designed to accommodate the next-generation patrol aircraft (MMA) as well as UAV’s. The station also has a new 1.7 million-gallon capacity fuel storage facility (funded by NATO), adding to its outstanding support capability. A new \$3 million P-3 Operations Building is also now operational. All operational MPA squadrons currently in the Atlantic Fleet can be accommodated at NAS Brunswick in its existing, modern facilities. No additional military construction is required.



Hangar #1 - Renovated in 1995



Newly-constructed Hangar #6

*NAS Brunswick's four-season climate makes it ideal for the all-weather flight training, essential for MPA and other DOD aircrew readiness.*

#### 4. CLIMATE

NAS Brunswick's four-season climate makes it ideal for the all-weather flight training essential for MPA and other DOD aircrew readiness. It is the only Naval Air Station on the U.S. East Coast capable of providing winter-weather flight training and cold-weather survival training. **Despite this diversity of conditions, NAS Brunswick has for the last four decades kept its runways and airfield fully operational 365 days a year.**



All-weather training

*NAS Brunswick is essentially a "new" air station!*

## COST OF OPERATIONS AND MANPOWER IMPLICATIONS

**NAS Brunswick is essentially a "new" air station.** After the 1995 round of base closures, Department of the Navy (DON) began an aggressive program to update the station. In 1997 Military Construction (MILCON), Operations and Maintenance (O&MN), and Maintenance of Real Property (MRP) expenditures ramped up from an average of \$9.25 million for the previous seven years to \$19.6 million; between 2001 through 2004 the average has been \$37.5 million.



*Future Control Tower - 2005*

DON began with demolishing antiquated facilities and utilities. Since 1997, 39 buildings totaling 460,000 square feet have been demolished, saving \$700,000/year in maintenance and another \$500,000/year in energy costs. In 2004 three more buildings are scheduled to be demolished.

Military construction projects between 2000 and 2005 include a new maintenance hangar (to replace two World War II era hangers), a new Control Tower, and Weapons Magazines. The runways, the aprons, flight line security fence, and older hangers will have all been repaired to a like-new condition. There is no major MILCON required within The Five Year Defense Plan (FYDP) and beyond.

One significant project in all of NAS Brunswick's revitalization is the decentralizing of the base heating system in 1999. All buildings are now heated individually by natural gas or oil as the market dictates, an improvement which is cost effective, efficient and allows further expansion of facilities as missions change. Thus far, the savings realized have been more than \$800,000/year.

DON has also made significant improvements to the station's quality of life infrastructure.

Townhouse-style quarters have replaced aging barracks for the single sailors (\$14.4 million), a 500-bed transient barracks has been added (\$22.6 million), over 220 new family houses have been built (\$33.1 million), and a new Recreation Mall with contract food vendors and family-oriented activities has been added (\$1.5 million).



*Newly-constructed 500-bed transient barracks*

*As we look back at 9/11, we urge all decision-makers to remember that the primary thrust of the attack was in New York City, and that the northeast has some of the largest population areas in the United States (22,152,000\*).*

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Maine . . . . .	1,294,464
New Hampshire . . . . .	1,275,056
Vermont . . . . .	616,592
Massachusetts . . . . .	6,427,801
Rhode Island . . . . .	1,069,725
Connecticut . . . . .	3,460,503
New York City . . . . .	8,008,278

**Total: 22,152,419**

*\* Population totals for Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut & New York City.*

## MILCON IMPROVEMENTS

PROJECT	COST (IN MILLIONS)	ESTIMATED COMPLETION
<b>Recently Completed</b>		
Permanent Party Quarters	\$14.0	Completed
P3 Operations	3.0	Completed
Relocate Gate Entrance	1.4	Completed
Dyer's Gate Truck Entrance	1.1	Completed
Small Arms Range	.8	Completed
Taxiway Repairs	3.4	Completed
	<b>Total: \$ 23.7</b>	
<b>Current Projects</b>		
Hangar 6	\$21.4	September 2004
Housing Phase 2 (126 Homes)	19.1	August 2004
Transient Quarters	17.7	September 2004
Tower	9.8	December 2004
Housing Phase 3 (22 Homes)	5.0	August 2005
Runway/Apron Repairs	5.9	September 2004
	<b>Total: \$ 78.9</b>	
	<b>Grand Total: \$102.6</b>	

## COSTS AND SAVINGS OF CLOSURE

The authors of this report can only guess as to any monetary costs or savings related to closure. We are certain, however, that the cost to national defense is one that should be taken very seriously. As we have noted throughout this report, NAS Brunswick is the only active duty Naval Air Station north of Virginia.

**As we look back at 9/11, we urge all decision-makers to remember that the primary thrust of the attack was in New York City, and that the northeast has some of the largest population areas in the United States ( 22,152,000 ). In fact, the military value of NAS Brunswick is higher now than at any time since World War II. The negative impact on national defense would far outweigh any possible cost savings resulting from the elimination of this vital link in our national defense posture.**

*If these 817 civilian jobs on base were eliminated, unemployment for the Bath-Brunswick Labor Market Area would increase by 66% — a rate that almost doubles from 3.6% to 6%!*

## ECONOMIC IMPACT

Photography by Kemebec Camera & Darkroom, Bath, ME 207-442-8628



Maine Street,  
Brunswick, Maine

### 1. OVERVIEW

NAS Brunswick has a major impact on the Bath–Brunswick Region in terms of economic contribution and employment. During fiscal year 2004, the air station will contribute more than \$333.6 million to the regional economy. This figure includes \$147 million in salaries for military and civilian employees, \$62 million in military construction contracts and material purchases, and \$34 million in medical purchases. In addition, NAS Brunswick owns 3,200 acres of real estate in Brunswick and Topsham. If all figures stated above remain constant for the next ten years, the economic contribution from NAS Brunswick to the regional economy would be \$2.4 billion.

### 2. MILITARY OPERATION EXPENDITURES

**Military Personnel** – The number of people directly involved with base activities is equally as significant as their economic contribution; the total statewide Navy community is 17,963, including 5,227 military & civilian employees, 5,704 active duty family members, and 5,700 retiree’s and family members. The active duty personnel at NAS Brunswick totals 4,410 (573 officers, 3,837 enlisted), representing an annual payroll of \$124.9 million.

In addition, three Naval Air Reserve (NAR) Units are located at NAS Brunswick. Total payroll for all Reserve personnel was over \$21 million in 2003. The number of full time Reserve personnel (including both officers and enlisted) is 376 with total payroll in 2003 of over \$14.4 million. Selected Reserve personnel (weekend drillers) account for 785 officer and enlisted positions with an annual payroll in 2003 of \$6.7 million. The Naval Air Reserve’s 2003 budget for Operations and Maintenance (O & MNR) totals over \$9.7 million.

**Civilian Personnel** – Currently, 817 civilian personnel work on base providing skilled labor for a wide variety of support activities. These personnel include budget analysts, public works, tradesmen, security and administrative personnel, medical and dental technicians, daycare workers and communications specialists. To help support equal employment opportunities in the Region, NAS Brunswick employs over 250 people with disabilities (within the 817-civilian job force).

Total annual payroll for full- and part-time civilian employees is \$22 million. Over the next ten years this annual payroll figure amounts to \$220 million in disposable income throughout the Region. If these 817 jobs were eliminated, unemployment for the Bath-Brunswick Labor Market Area would increase by 66% – a rate that almost doubles from 3.6% to 6%.

*Currently under construction is a \$32 million six-bay hangar that will be able to accommodate the next-generation P-3 replacement aircraft as well as Unmanned Aerial Vehicles (UAVs).*

**Military Contractual Expenditures** – Approximately 20 percent of NAS Brunswick’s activities, facilities and services directly support the Navy’s AEGIS Destroyer shipbuilding program at nearby Supervisor of Shipbuilding, Bath and the Bath Iron Works (BIW) Corporation. 636 Navy personnel are associated with BIW including 420 ships’ crew. For those personnel stationed in Bath, NAS Brunswick provides support services such as clinic/health care, chaplain, social services and air support for Naval testing and training. Over 25% of warehouse space at the air station is dedicated to this program.



Hangar #6 in construction

**Military Construction (MILCON) Expenditures (Infrastructure Improvements)**

– As previously noted, since 1997, NAS Brunswick has demolished 460,000 square feet of space in 39 buildings saving \$700,000 per year in maintenance and \$500,000 per year in energy costs. The 1999 installation of 40 dual-fuel boilers (natural gas/oil) and the demolition of the base’s central steam plant now save \$838,000 annually. In the last four years, the entire airfield has been upgraded including:

- Reconstruction of both runways and all taxiways for over \$9.5 million
- An environmentally friendly rinse and de-ice facility for \$2.4 million
- Significant repairs to the aircraft parking ramp
- A new \$3 million P-3 Operations building
- Taxiway Repairs for \$3.4 million

( See chart page 12)

Nearing completion is a \$32 million six-bay hangar that will be able to accommodate the next-generation P-3 replacement aircraft as well as Unmanned Aerial Vehicles (UAVs).

Within three months, work will begin on a new \$9.8 million airport traffic control tower that will contain over \$5 million of new electronic equipment. In addition to handling the base’s air traffic control, the tower also provides traffic control for the Wiscasset and Thomaston airports. Other significant military construction projects this year include (with completion dates):

- Housing Phase II 126 Homes (\$19.1M – August 2004)
- Transient Quarters (\$17.7M – September 2004)
- Housing Phase III 22 Units (\$5M – August 2005)

In the past four years, the quality of life of NAS Brunswick’s military personnel has been significantly upgraded with the construction of 190 townhouses to replace aging barracks (\$14.4 million), a 500-bed transient barracks (\$22.6 million), more than 220 new family houses (\$33.1 million), and a new \$1.5 million Recreation Mall with contract food vendors and family-oriented activities. A new 30-unit Navy lodge was completed in 2000 to accommodate families looking for area housing, and the lodge is expected to double in size within the next two years.

*A substantial amount of economic impact is generated in the Region through the resultant \$147 million in military and civilian salaries.*

## REGIONAL ECONOMIC IMPACT

As Maine's second largest employer, NAS Brunswick employs 5,227 military and civilian personnel, including 573 officers, 3,837 enlisted personnel, and 817 civilians. A substantial amount of economic impact is generated in the Region through the resultant \$147 million in military and civilian salaries. This disposable income purchases the necessities of life such as housing, transportation and food, and plays a vital role in the Region's overall economic vitality. It is also important to note that Mainers comprise over 90% of the personnel hired by contractors for base projects.



NAS Brunswick provides a "critical mass" for regional projects and improvements which require a scale not achievable without its economic impact.

The previously mentioned transition of NAS Brunswick to dual-fuel boilers made the introduction of natural gas to the Mid-Coast Region economically viable, with resulting widespread benefits to industry and growth. Another example is the annual \$34 million in NAS Brunswick's medical purchases. These expenditures are typically for medical services located outside the station, and have directly enabled major improvements to regional health care services and infrastructure.

A third of NAS Brunswick's often-overlooked economic impacts on the area is the annual funding the Brunswick School system receives from the Department of Education for federally connected children. For the 2003 fiscal year, the Brunswick School system received over \$800,000 as a result of having 643 military dependent children in its public schools.

Finally, each year, approximately 1,046 new personnel are assigned to NAS Brunswick for two- or three-year tours of duty, bringing with them 418 spouses who, while initially unemployed, represent a renewable pool of very talented and highly motivated employees, 40% of whom are college educated.

### 1. HOUSING & ECONOMIC IMPACT

Approximately 25% of the active duty military personnel live on base; the other 75% (or 2,400) are located off base within the Region. The economic impact resulting from off base housing plays an important role in the overall vitality of the Region. For example; enlisted personnel (E-5) that are attached to squadrons and live off base earn an average of \$42,990 annually. A Junior Officer (O-3) with flight pay and housing allowance (BAH) earns an average of \$74,250. In the real estate industry 30% of disposable income is used as a guideline to determine the monthly amount of housing costs an individual can afford to pay (either mortgage or rental). With this in mind, enlisted personnel on the average spend approximately \$12,000 per year and Officers spend on the average about \$22,000 to meet their housing needs. **Estimated average impact on the regional housing economy (based on averages) is in excess of \$30 million on an annual basis.** If the base were to close, over 2,000 housing units would be vacant thus causing a significant change in the regional housing market.

*One of the major reasons there are 5,700 military retirees and family members in the Region is because of some services and facilities at NAS Brunswick.*

In terms of active duty expenditures related to transportation and food (includes home & eating out), the Bureau of Labor Statistics states that family "budgeting" typically allocates approximately 15% for each of these two categories. Similar to the previous example, enlisted personnel on the average spend approximately \$12,000 per year and Officers spend on the average about \$22,000 for transportation and food. **Estimated average impact on the regional economy (based on averages) is in excess of \$31 million on an annual basis.**

**2. MILITARY RETIREE IMPACT**

One of the major reasons there are 5,700 military retirees and family members in the Region is because of some services and facilities at NAS Brunswick (e.g. Exchange, Commissary, medical clinic, recreation mall). A vast majority of these retirees live in nearby Midcoast communities and contribute significantly to the Region's economic livelihood. The Region risks losing many of these retirees if the base is closed and services moved out of state.

**3. COMMUNITY OUTREACH**

NAS Brunswick personnel have a long history of building relationships between the military and civilian communities and are actively working as partners with the Chamber of Commerce of the Bath-Brunswick Region, the Military-Community Council, the MidCoast Council for Business Development and Planning, the American Red Cross, and numerous other state, regional and local organizations. The Naval community serves as volunteers and provides leadership and enrichment to the Boy Scouts, church groups and numerous civic organizations.

<b>ECONOMIC CONTRIBUTOR</b>	<b>REGIONAL ECONOMIC IMPACT</b>
<b>Military Payroll</b>	
Active Duty	\$124.9 million
Civilian Personnel	22.0 million
<b>Military Construction &amp; Material Purchases</b>	62.0 million
<b>Medical Purchases</b>	34.0 million
<b>Naval Air Reserve Payroll</b>	21.0 million
<b>Operations and Maintenance</b>	9.7 million
<b>Off Base Housing Costs for Active Duty</b>	30.0 million
<b>Transportation &amp; Food Costs for Active Duty</b>	30.0 million
<b>TOTAL ECONOMIC IMPACT</b>	<b>\$333.6 million</b>

*The Town and the surrounding Region have a long history of mutual support and cooperation with NAS Brunswick.*

## TOWN OF BRUNSWICK INFRASTRUCTURE TO SUPPORT FORCES

### 1. OVERVIEW

The Town of Brunswick has been the home of NAS Brunswick since it opened in April 1943. The base operated throughout World War II, when it served not only as a base for anti-submarine patrol missions but also training Canadian Air Force pilots. In 1947 NAS Brunswick was decommissioned but with the rise of the Cold War was recommissioned in 1951 and since then has played a vital role in the defense of the North Atlantic.



Bowdoin College

The Town of Brunswick serves as a regional center of more than 70,000 people, 21,000 of whom are Town residents. It is a progressive community, governed by a Town Council and a Town Manager, with a vibrant downtown, energetic arts and cultural groups, and an active shopping area. Brunswick has a strong sense of community and is home to two hospitals, schools, historical museums, Bowdoin College, a professional summer theater, many churches and a variety of recreational opportunities.

The Town and the surrounding Region have a long history of mutual support and cooperation with NAS Brunswick.



First Parish Church

Photography by: Kennebec Camera & Darkroom, Bath, ME 207-442-8628



Brunswick Mall

*The relationship between the Town and the base in regard to fire and medical services is an example of mutual cooperation and efficiency.*

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## **2. SCHOOLS**

The Town of Brunswick School Department consists of four elementary schools, one junior high school and one high school. Children of NAS Brunswick personnel have been attending Brunswick Schools for over 50 years. The community is accustomed to accommodating the transitory nature of this student population, a process that requires assessing the student skills and prescribing an instructional program to best meet the needs of each student. Over the past ten years, between 595 to 671 military-dependent children have attended Brunswick public schools each year, including students residing within base property as well as those living off base.

## **3. FIRE AND EMERGENCY MEDICAL SERVICES**

The Town of Brunswick provides a full range of emergency services to its residents, including NAS Brunswick, and responds to nearly 3,000 emergency, fire and EMS calls each year. Twenty-five full-time firefighters, most of whom are also licensed as Emergency Medical Technicians or Paramedics, operate the department's emergency ambulances at the Advanced Life Support level.

The Fire Department works cooperatively with the NAS Brunswick and provides mutual aid to the base. In FY 2002-2003, the Town responded to 21 fire calls either on-base or in off-base military housing. The Brunswick Fire Department is the first responder to off-base housing. The Town of Brunswick responds with paramedic/ambulance service upon request by the Naval Air Station. The high level of medical training (paramedic) provided by the Town of Brunswick personnel is often required by NAS Brunswick to supplement their existing ambulance personnel. In addition, the Town responds to all off-base housing ambulance calls.

The relationship between the Town and the base for fire and medical services is an example of mutual cooperation and efficiency. NAS Brunswick and the Town of Brunswick achieve an exceptionally high level of service through the synergy of their working relationship. The example set here should be a model for all DOD facilities and their surrounding communities.

## **4. POLICE**

The Brunswick Police Department has a strong working relationship with NAS Brunswick. The base and the Town have shared joint training exercises and planning of numerous events, including dignitary protection details, Safety Stand-down Training and others. The ability to conduct joint exercise and training has been a benefit to the military operation as well as to the citizens of Brunswick. There are frequent coordinating meetings with representatives of the military structure to discuss and plan events that impact the community. Since the events of 9/11, the Town and NAS Brunswick have worked even more closely to handle the change in threat conditions and have been true partners in several operations concerning the needed response to heightened security warnings.

The Criminal Investigations Division of the Town of Brunswick works concurrently with members of the Naval Criminal Investigative Service, DOD Police, and Navy personnel during criminal investigations. Regulations have permitted concurrent jurisdiction, allowing the Brunswick Police Department

## *People who have served NAS Brunswick are moving back after retiring from military service.*

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to swear in DOD Police Detectives as Brunswick Reserve Officers. This structure allows more latitude in prosecuting cases through the Cumberland County District Attorney's Office and the State Courts for both criminal and traffic offenses.

### **4. HOUSING**

As with most of the nation, the price of existing homes in Brunswick has risen dramatically in the past several years. To respond to this increase, the Town of Brunswick has prepared a document titled: **Action Plan for Housing in Brunswick: 2003**, which sets forth specific actions to increase affordable housing stock in the community.

The number of active duty military families within the housing market area has dropped nearly by half in recent years, from 3,081 in 1990 to 1,697 in 2000. Conversely, the number of veterans over age 65 has increased by 1,193 in the same period. People who have served NAS Brunswick have found the Region to be compatible with their lifestyles and, in many cases, are moving back after retiring from military service.

As part of the Military Housing Privatization Initiative Act of 1996, the Navy is in the process of forming a limited liability partnership with a private company (GMH Military Housing) to own, operate, manage and maintain the existing inventory of Navy owned family housing units, as well as construct any new or replacement units in both Brunswick and Topsham. Currently there are a total of 750 units that will be covered under this program in both communities. The privatization agreement is expected to be approved by Congress prior to November 1, 2004.

### **5. BRUNSWICK ECONOMY**

The Town of Brunswick is a service center community for the Region. As such, it plays a critical role in providing employment, shopping and socially significant services throughout the Region. Brunswick provides a home and services to a variety of private sector companies and is host to almost half of all the jobs in the Bath-Brunswick Labor Market.

Military spouses quickly find jobs within this labor market, which numbers in excess of 33,000 jobs. In the Town of Brunswick, the labor force increased by 1,276 jobs, 8.7%, between 1990 and 2000. These new jobs were primarily in the professional, management, administration and service sectors. The top ten Brunswick employers are:

The Town's workforce trend toward the service industry is a positive move, especially when examining projections for the fastest growing industries in Maine over the next ten years. Social services in the state are expected to grow 47%, amusement and recreation services 33%, health services by 22% and bank services 9.7%. A strong retail core in the downtown and at nearby Cooks Corner will also be aided by a projection of growth in the retail sector of 13.4%.

*The Bath-Brunswick Region is a very special place to live.*

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## 6. PARKS AND RECREATION

The Town of Brunswick's Parks and Recreation Department manages a parks system with more than thirty-five different facilities: ball fields, athletic facilities, tennis courts, playgrounds, a swimming area, boat landings, gymnasiums, trails and neighborhood parks. In addition, in 2003 the department offered in excess of one hundred different recreation programs involving over 24,500 registered participants. A review of the recreation program participant database for 2003 yields a conservative estimate of at least ten percent of the households who participated in some form of Town-sponsored recreation representing military spouses and their families.

The Town's Parks and Recreation Department works collaboratively with The Navy's Morale Welfare and Recreation (MWR) Services in an attempt to not duplicate program offerings wherever possible. For example, the Town sponsors youth sports and athletics and military children participate in large numbers in these offerings. Conversely, MWR does not administer these types of youth sports programs.

***"The reason I decided to retire in this area was because of the truly unique blending of the civilian community, the college and the military that I have not found anywhere else."***

*RADM Harry Rich USN (Ret.)*

# State of Maine

In the Year of Our Lord Two Thousand and Four

## JOINT RESOLUTION MEMORIALIZING THE CONGRESS OF THE UNITED STATES TO CONTINUE ITS SUPPORT AND ADVOCACY FOR THE MILITARY BASES IN MAINE

**WE**, your Memorialists, the Members of the One Hundred and Twenty-first Legislature of the State of Maine now assembled in the Second Special Session, most respectfully present and petition the Congress of the United States as follows:

**WHEREAS**, within the year, Secretary of Defense Donald Rumsfeld, through the Base Realignment and Closure (BRAC) Commission, will make recommendations about which military installations are to be considered for closure in cost-cutting measures for the military and has indicated that reductions may total 25% or an estimated 100 bases; and

**WHEREAS**, the State of Maine has 3 distinct and important military installations that are potentially at risk for closure: the naval shipyard in Kittery, the Naval Air Station Brunswick and the Naval Computer and Telecommunications Area Master Station, Atlantic Cutler Detachment; and

**WHEREAS**, the naval shipyard in Kittery is one of only 4 public shipyards in the Nation, is vital to our maritime strength and is of major importance to 2 states' local economies; and

**WHEREAS**, Naval Air Station Brunswick is the only fully capable air base in the northeastern United States, does not encroach on the civilian community and has plenty of space for expansion, even for housing other branches of the military. Naval Air Station Brunswick is on the coast, and aircraft can take off and land without flying over major centers of population; and

**WHEREAS**, the Cutler detachment's primary mission is Very Low Frequency communications with submarines in the Atlantic Ocean and Mediterranean Sea; the installation has the most powerful radio transmitter in the world and is staffed with 84 civil service workers, who ensure the signal stays in the wind to the submarine fleet; and

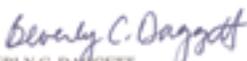
**WHEREAS**, the people of the State of Maine have long been at the forefront of our Nation's defense, are first to join and send troops in any conflict and have a strong tradition of support and appreciation for the bases within our borders; now, therefore, be it

**RESOLVED**: That We, your Memorialists, take this opportunity to convey our appreciation for the advocacy and support for our 3 bases that the Congress of the United States and the Maine Congressional Delegation have provided over the years, and we strongly urge the Congress of the United States to consider the importance of these installations in this time of war on terrorism and the vital need to protect our Nation; and be it further

**RESOLVED**: That suitable copies of this resolution, duly authenticated by the Secretary of State, be transmitted to the President of the United States Senate, to the Speaker of the United States House of Representatives and to each Member of the Maine Congressional Delegation.

In Senate Chamber  
Read and Adopted  
Roll Call #352 (Yeas 35 - Nays 0)  
April 13, 2004  
In Concurrence

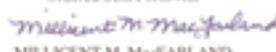
  
JOY J. O'BRIEN  
Secretary of the Senate

ATTEST:   
BEVERLY C. DARGGETT  
President of the Senate

In Testimony Whereof, I have caused the seal of the State to be hereunto affixed. GIVEN under my hand at Augusta, this fourteenth day of April, in the year two thousand and four

  
DAN A. GWADOSKY  
Secretary of State

House of Representatives  
Read and Adopted  
April 13, 2004  
Sent up for Concurrence  
Ordered Sent Forthwith

  
MILlicENT M. MacFARLAND  
Clerk of the House

ATTEST:   
PATRICK COLWELL  
Speaker of the House of Representatives