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## Virginia bald eagle nest and productivity survey: Year 2007 report

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# VIRGINIA BALD EAGLE NEST AND PRODUCTIVITY SURVEY: YEAR 2007 REPORT



CENTER FOR CONSERVATION BIOLOGY  
COLLEGE OF WILLIAM AND MARY

# **VIRGINIA BALD EAGLE NEST AND PRODUCTIVITY SURVEY: YEAR 2007 REPORT**

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## **Project Funded By:**

**The Virginia Department of Game and Inland Fisheries  
(Wildlife Diversity Program)  
Center for Conservation Biology**

**Front Cover: Nestlings on the James River. Photo by Bryan Watts.**



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## **EXECUTIVE SUMMARY**

By the late 1960's, the Virginia bald eagle breeding population had been decimated by eggshell thinning and associated low productivity. In 1977, the U. S. Fish and Wildlife Service formed the Chesapeake Bay Bald Eagle Recovery Team. This team was tasked with developing a plan for the recovery of the Bay population. As part of this process, state wildlife agencies assumed the responsibility for population monitoring. The Virginia Department of Game & Inland Fisheries along with the College of William & Mary initiated a systematic survey in the spring of 1977. Since that time, the annual bald eagle survey has become the most essential element of a successful conservation strategy. Our objectives in continuing the Virginia bald eagle nest survey are 1) to monitor the recovery of the bald eagle in Virginia, 2) to document the status, distribution, and productivity of breeding bald eagles in Virginia, 3) to provide information to the government agencies charged with the management and protection of the Virginia Bald Eagle population, 4) to provide information to land holders about the status of Bald Eagles on their properties, and 5) to increase our understanding of Bald Eagle natural history in Virginia.

The Virginia Bald Eagle survey measures breeding activity and productivity via a standard 2-flight approach. The first flight is conducted between late February and mid-March to locate active nests. A high-wing Cessna 172 aircraft is used to systematically overfly the land surface at an altitude of approximately 100 m to detect eagle nests. All Bald Eagle nests detected are plotted on 7.5 min topographic maps and given a unique alpha-numeric code. Each nest is examined to determine its condition and activity status. The second survey flight is conducted from late April through mid-May to check active nests for productivity.

During the 2007 breeding season, the annual survey documented 560 occupied Bald Eagle territories in Virginia. This number represents a 15.5% increase over 2006. The number of active nests increased by 11.7% and 117 new nests were mapped. Occupied territories were located within 38 counties and 9 independent cities. The majority of known territories continue to be concentrated within the coastal plain with less than 5% of pairs occurring in the piedmont and mountains. A total of 737 chicks were counted during the productivity flight. This is the highest chick production recorded during the 31-year history of the survey. The Virginia population continues to have tremendous reproductive momentum. Of 7,505 chicks documented in the past 31 years, 9.8% were produced in 2006 and more than 60.6% were produced since 2000. In general, this momentum is the combined result of an overall increase in the breeding population, the breeding success rate and the average brood size.

## **BACKGROUND**

### **Context**

No specific estimates of the Chesapeake Bay Bald Eagle population are available prior to the early 1900's. However, given the high productivity of Bay waters and the availability of extensive shallow-water foraging areas, it has been speculated that prior to European settlement the Chesapeake Bay may have supported one of the densest breeding populations of Bald Eagles outside of Alaska. By applying breeding densities from Alaska to the 13,000 km of Chesapeake shoreline, Fraser et al. (1991) suggest that the pristine Chesapeake may have supported in excess of 3,000 breeding pairs of Bald Eagles. A more recent investigation (Watts et al. 2006) shows significant spatial variation in colonization rates and breeding density that suggests carrying capacity varies throughout the Bay. One implication of these results is that the initial carrying capacity of the Bay may have been approximately half of that projected by the Fraser et al. (1991) study.

A decline in the Chesapeake Bay Bald Eagle population was evident to the ornithological community by the mid-1950s. The first aerial survey of eagle nests in the Chesapeake Bay was conducted in 1962 (Abbott 1963). The survey included approximately twice the land area covered by Tyrell in 1936. Survey results suggested that about 150 breeding pairs of eagles remained in the Chesapeake Bay in 1962. Annual aerial surveys continued to document a decline until the population reached an estimated low of 80-90 pairs in 1970 (Abbott 1978).

In 1977, the U. S. Fish and Wildlife Service formed the Chesapeake Bay Bald Eagle Recovery Team (Abbott 1977). This team was tasked with developing a plan for the recovery of the Bay population. As part of this process, state wildlife agencies assumed the responsibility for population monitoring. As the state agency responsible for wildlife management, The Virginia Game Commission (currently, The Virginia Department of Game & Inland Fisheries) is responsible for Bald Eagle monitoring and management in Virginia. Under contract to the state M. A. Byrd took over responsibility for the survey in 1977. The 2007 breeding season represents the 31<sup>th</sup> year of the comprehensive Bald Eagle breeding survey.

### **Objectives**

Our objectives in continuing the Virginia bald eagle nest survey are:

- 1) to monitor the recovery of the bald eagle in Virginia
- 2) to document the status, distribution, and productivity of breeding bald eagles in Virginia

- 3) to provide information to the government agencies charged with the management and protection of the Virginia bald eagle population
- 4) to provide information to land holders about the status of bald eagles on their properties
- 5) to increase our understanding of bald eagle natural history in Virginia

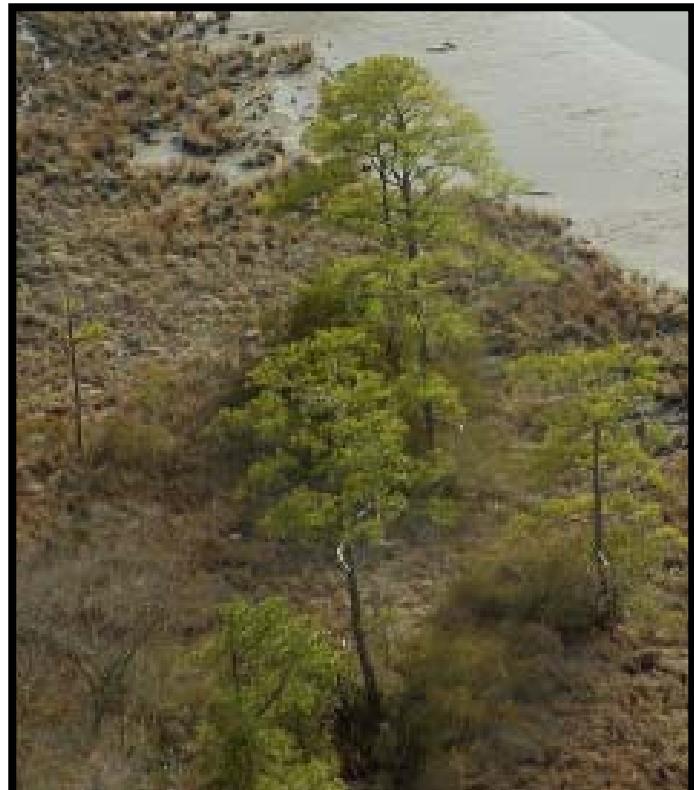
## METHODS

### Study Area

The primary focus area for the Virginia Bald Eagle breeding survey includes the tidal reaches of Chesapeake Bay tributaries and the lower Delmarva Peninsula. All Chesapeake Bay tributaries in Virginia are systematically surveyed to the extent of tidal influence. These drainages encompass nearly all historic records of breeding eagles in Virginia and continue to support the vast majority of the population. Throughout the 1990s, several areas have been added to the core survey area including Back Bay/North Landing River area, Lake Drummond, Kerr Reservoir, Lake Chedsin, Swift Creek Reservoir, Diascund Reservoir, and Occoquan Reservoir. No attempts have been made to systematically survey the piedmont and mountain regions of Virginia. With the dramatic increase in inland reservoirs over the past few decades, it seems likely that breeding pairs remain undiscovered within these physiographic provinces. Nesting pairs known to occur within these regions have generally been discovered by agency biologists and the general public.

### Survey

The Virginia Bald Eagle survey measures breeding activity and productivity via a standard 2-flight approach (Fraser et al. 1983). The first flight is conducted between late February and mid-March to locate active nests. A high-wing Cessna 172 aircraft is used to systematically overfly the land surface at an altitude of approximately 100 m to detect eagle nests. The aircraft is maneuvered systematically between the shoreline and a distance of approximately 1 km to cover the most probable breeding locations. All Bald Eagle nests detected are plotted on 7.5 min topographic maps and given a unique alpha-numeric code. Each nest is examined to determine its condition and activity status. A breeding territory is considered to be "occupied" if a pair of birds is observed in association with the nest and there is evidence of recent nest maintenance (e.g. well-formed cup, fresh lining, structural maintenance). Nests are considered to be "active" if a bird is observed in an incubating posture or if eggs or young are detected in the nest (Postupalsky 1974). The second survey flight is conducted from late April through mid-May to check active nests for productivity. A high-wing Cessna 172 is flown low over the nest allowing observers to examine nest contents. The number of eaglets present is recorded along with their approximate ages.



Survey plane over Hog Island Wildlife Management Area (lft) (photo by Bryan Watts). Typical isolated nest tree over marsh on Rappahannock River (rt) (photo by Bryan Watts).



Eaglets in nest on Corbin Hall Farm along the Rappahannock River (photo by Bryan Watts)

## RESULTS

### Breeding Population

A total of 560 Bald Eagle territories was determined to be occupied in Virginia during the 2006 breeding season (Table 1, see Appendices I – VIII for nesting details by geographic area). When compared to 2006, this represents a 15.5% increase in the breeding population (Table 2). This rate is one of the highest recorded during the 30-year history of the survey (Figure 1). More than 117 new nests were mapped in 2007. Many of these new nests represent relocations within existing territories, although a substantial number of new territories were discovered. The number of active nests increased by 11.7% compared to the previous year.

**Table 1.** Summary of 2007 Bald Eagle survey results by geographic area. See methods for definitions of “occupied territory” and “active nest”. Chicks/active nests and chicks/productive nests are mean values.

| GEOGRAPHIC AREA | OCCUP TERRS | ACTIVE NESTS | CHICKS PROD | CHICKS/ ACT NEST <sup>1</sup> | CHICKS/ PROD NEST <sup>1</sup> |
|-----------------|-------------|--------------|-------------|-------------------------------|--------------------------------|
| POTOMAC RIVER   | 123         | 117          | 160         | 1.33                          | 1.74                           |
| RAPPAHAN. RIVER | 143         | 139          | 188         | 1.45                          | 1.84                           |
| YORK RIVER      | 63          | 58           | 82          | 1.41                          | 1.74                           |
| JAMES RIVER     | 129         | 121          | 184         | 1.52                          | 1.88                           |
| WESTERN SHORE   | 19          | 18           | 31          | 1.72                          | 1.94                           |
| EASTERN SHORE   | 44          | 39           | 42          | 1.08                          | 1.50                           |
| LOWER TIDEWATER | 11          | 10           | 18          | 1.80                          | 2.00                           |
| INLAND AREAS    | 28          | 22           | 32          | 1.68                          | 2.00                           |
|                 |             |              |             |                               |                                |
| <b>TOTAL</b>    | <b>560</b>  | <b>524</b>   | <b>737</b>  | <b>1.45</b>                   | <b>1.82</b>                    |

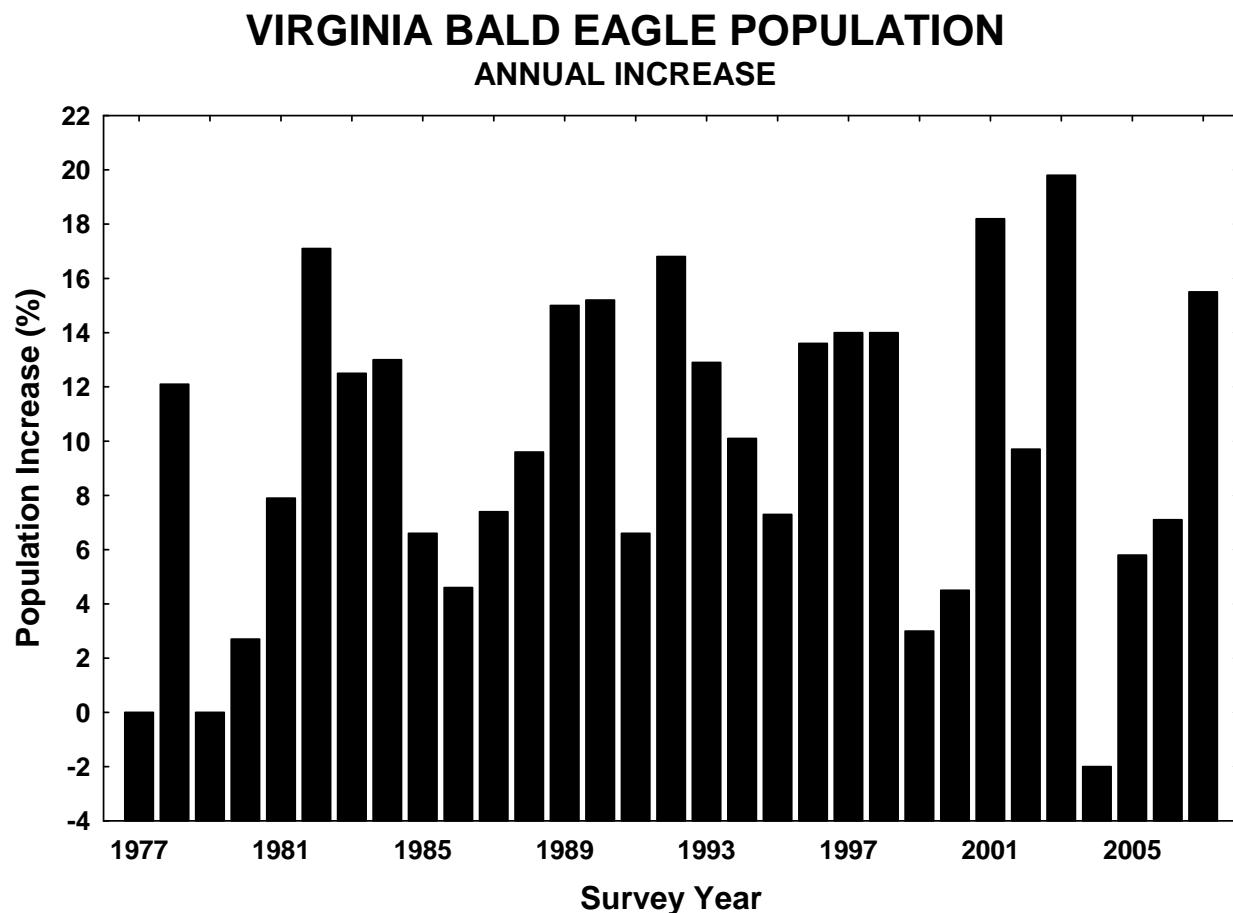
<sup>1</sup>Calculated based on nests with known outcome. Success of 15 nests known to be active was not determined.

Growth between 2006 and 2007 was variable between geographic areas (Tables 1 and 2) with the largest gains documented on the Potomac and Rappahannock Rivers. As in 2006, documented breeding attempts increased in nearly all geographic areas. The majority of known territories continue to be concentrated within the coastal plain with less than 5% of known pairs occurring in the piedmont and mountains (it should be noted that the systematic survey is focused primarily on the coastal tributaries). Occupied territories were located within 38 counties and 9 independent cities (Table 3). Westmoreland, King George, Richmond, Essex, and Charles City counties continue to support the highest number of pairs in the state. These 5 counties alone account for 36.3% of the state population.

**Table 2.** Summary of 2006 Bald Eagle survey results by geographic area. See methods for definitions of “occupied territory” and “active nest”. Chicks/active nests and chicks/productive nests are mean values.

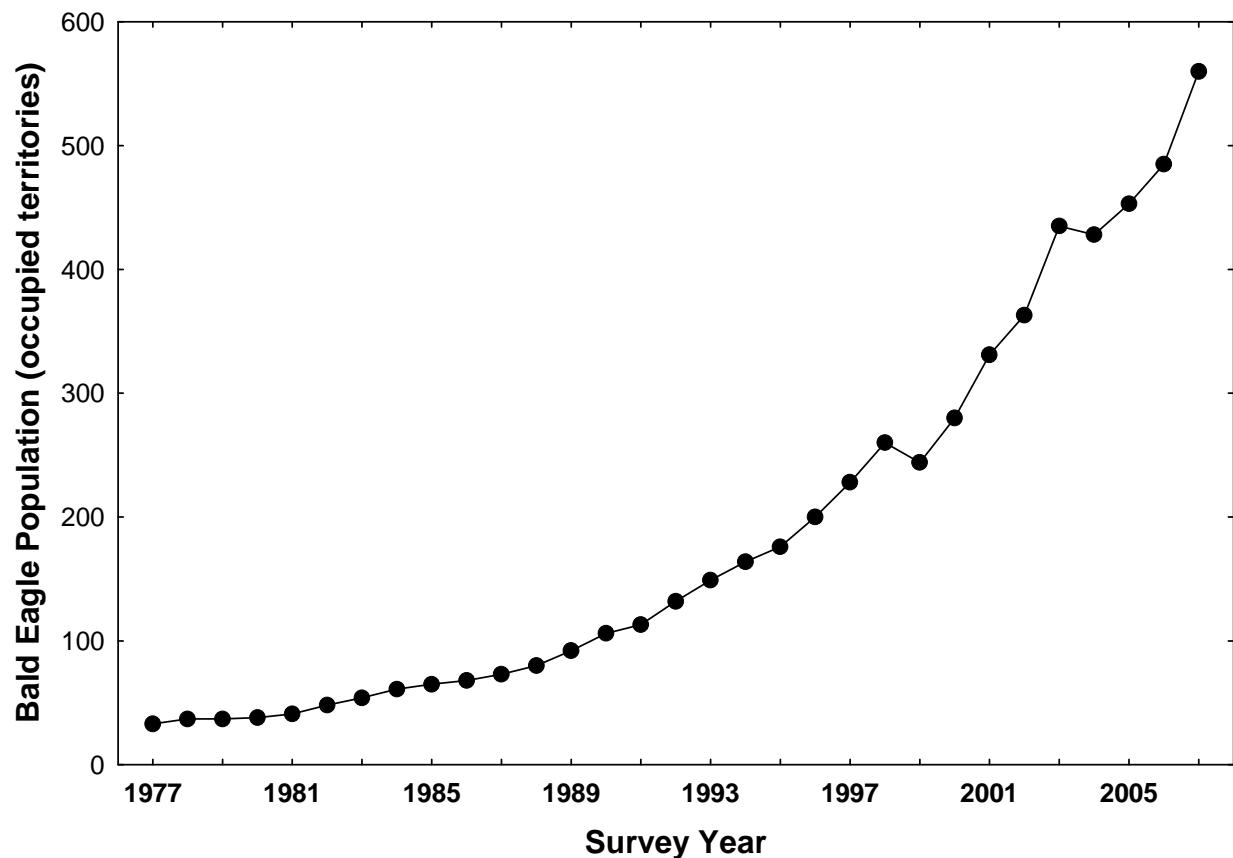
| GEOGRAPHIC AREA | OCCUP TERRS | ACTIVE NESTS | CHICKS PROD | CHICKS/ ACT NEST <sup>1</sup> | CHICKS/ PROD NEST <sup>1</sup> |
|-----------------|-------------|--------------|-------------|-------------------------------|--------------------------------|
| POTOMAC RIVER   | 98          | 97           | 136         | 1.46                          | 1.72                           |
| RAPPAHAN. RIVER | 129         | 124          | 193         | 1.56                          | 1.97                           |
| YORK RIVER      | 56          | 50           | 84          | 1.68                          | 2.10                           |
| JAMES RIVER     | 120         | 116          | 181         | 1.56                          | 1.83                           |
| WESTERN SHORE   | 13          | 13           | 18          | 1.38                          | 2.00                           |
| EASTERN SHORE   | 38          | 38           | 46          | 1.21                          | 1.64                           |
| LOWER TIDEWATER | 12          | 12           | 18          | 1.50                          | 2.00                           |
| INLAND AREAS    | 19          | 19           | 29          | 1.71                          | 1.71                           |
| <b>TOTAL</b>    | <b>485</b>  | <b>469</b>   | <b>705</b>  | <b>1.52</b>                   | <b>1.86</b>                    |

<sup>1</sup>Calculated based on nests with known outcome. Success of 6 nests known to be active was not determined.



**Figure 1.** Annual increase values for the 31-year survey period (1977-2007). Values calculated as  $(\text{Pairs}_t - \text{Pairs}_{t-1}) / \text{Pairs}_{t-1} \times 100$ .

## VIRGINIA BALD EAGLE BREEDING POPULATION



**Figure 2.** Change in the Virginia Bald Eagle breeding population 1977-2007.

**Table 3.** Summary of 2007 Bald Eagle survey results by jurisdiction. See methods for definitions of “occupied territory” and “active nest”. Chicks/active nests and chicks/productive nests are mean values.

| COUNTY          | OCCUP TERRS | ACTIVE NESTS   | CHICKS PROD     | CHICKS/ ACT NESTS | CHICKS/ PROD NESTS |
|-----------------|-------------|----------------|-----------------|-------------------|--------------------|
| <b>Counties</b> |             |                |                 |                   |                    |
| Accomack        | 27          | 25(19)         | 27              | 1.08              | 1.42               |
| Albemarle       | 1           | 1              | 2               | 2.00              | 2.00               |
| Amherst         | ?           | ----           | ----            | ----              | ----               |
| Bath            | ?           | ----           | ----            | ----              | ----               |
| Bedford         | 1           | ?              | ?               | ----              | ----               |
| Buckingham      | 2           | 1 <sup>1</sup> | ----            | ----              | ----               |
| Caroline        | 17          | 17             | 14 <sup>2</sup> | 1.56              | 2.00               |
| Charles City    | 31          | 28(21)         | 41              | 1.46              | 1.95               |
| Chesterfield    | 10          | 10(6)          | 8               | 0.80              | 1.33               |
| Clarke          | ?           | ----           | ----            | ----              | ----               |
| Culpepper       | ?           | ----           | ----            | ----              | ----               |

**Table 3.** –continued-

| COUNTY          | OCCUP TERRS | ACTIVE NESTS      | CHICKS PROD | CHICKS/ ACT NESTS | CHICKS/ PROD NESTS |
|-----------------|-------------|-------------------|-------------|-------------------|--------------------|
| <b>Counties</b> |             |                   |             |                   |                    |
| Essex           | 34          | 33(24)            | 45          | 1.36              | 1.88               |
| Fairfax         | 14          | 13(11)            | 18          | 1.38              | 1.64               |
| Faquier         | ?           | ----              | ----        | ----              | ----               |
| Gloucester      | 10          | 10(8)             | 17          | 1.70              | 2.13               |
| Halifax         | 2           | 1                 | 1           | 1.00              | 1.00               |
| Hanover         | 0           | 0                 | ----        | ----              | ----               |
| Henrico         | 7           | 7                 | 14          | 2.00              | 2.00               |
| Highland        | 2           | 1                 | 1           | 1.00              | 1.00               |
| Isle of Wight   | 7           | 6(5)              | 8           | 1.33              | 1.60               |
| James City      | 24          | 22(19)            | 35          | 1.59              | 1.84               |
| King and Queen  | 7           | 6(5)              | 8           | 1.33              | 1.60               |
| King George     | 46          | 46(36)            | 60          | 1.30              | 1.67               |
| King William    | 18          | 17(16)            | 26          | 1.53              | 1.63               |
| Lancaster       | 13          | 13(11)            | 17          | 1.31              | 1.55               |
| Louisa          | ?           | ----              | ----        | ----              | ----               |
| Mathews         | 6           | 5                 | 8           | 1.60              | 1.60               |
| Mecklenburg     | 9           | 8(7)              | 15          | 1.88              | 2.14               |
| Middlesex       | 20          | 17(14)            | 27          | 1.59              | 1.93               |
| Nelson          | 1           | 0                 | ----        | ----              | ----               |
| New Kent        | 17          | 17(15)            | 26          | 1.53              | 1.73               |
| Northampton     | 17          | 14(9)             | 15          | 1.07              | 1.67               |
| Northumberland  | 19          | 17(14)            | 26          | 1.53              | 1.86               |
| Nottoway        | 1           | ?                 | ----        | ----              | ----               |
| Page            | ?           | ----              | ----        | ----              | ----               |
| Pittsylvania    | ?           | ----              | ----        | ----              | ----               |
| Powhatan        | 1           | 1                 | 1           | 1.00              | 1.00               |
| Prince Edward   | 1           | 1                 | 3           | 3.00              | 3.00               |
| Prince George   | 20          | 19(16)            | 30          | 1.58              | 1.88               |
| Prince William  | 8           | 7(3) <sup>1</sup> | 4           | 0.57              | 1.33               |
| Richmond        | 37          | 37(28)            | 51          | 1.38              | 1.82               |
| Shenandoah      | ?           | ----              | ----        | ----              | ----               |
| Southampton     | 2           | 2                 | 5           | 2.50              | 2.50               |
| Stafford        | 12          | 11(10)            | 18          | 1.64              | 1.80               |
| Surry           | 20          | 18(15)            | 35          | 1.94              | 2.33               |
| Sussex          | 2           | 2(1)              | 1           | 0.50              | 1.00               |
| Westmoreland    | 55          | 53(43)            | 81          | 1.52              | 1.88               |
| York            | 10          | 9(5)              | 7           | 0.78              | 1.40               |

**Table 3.** –continued-

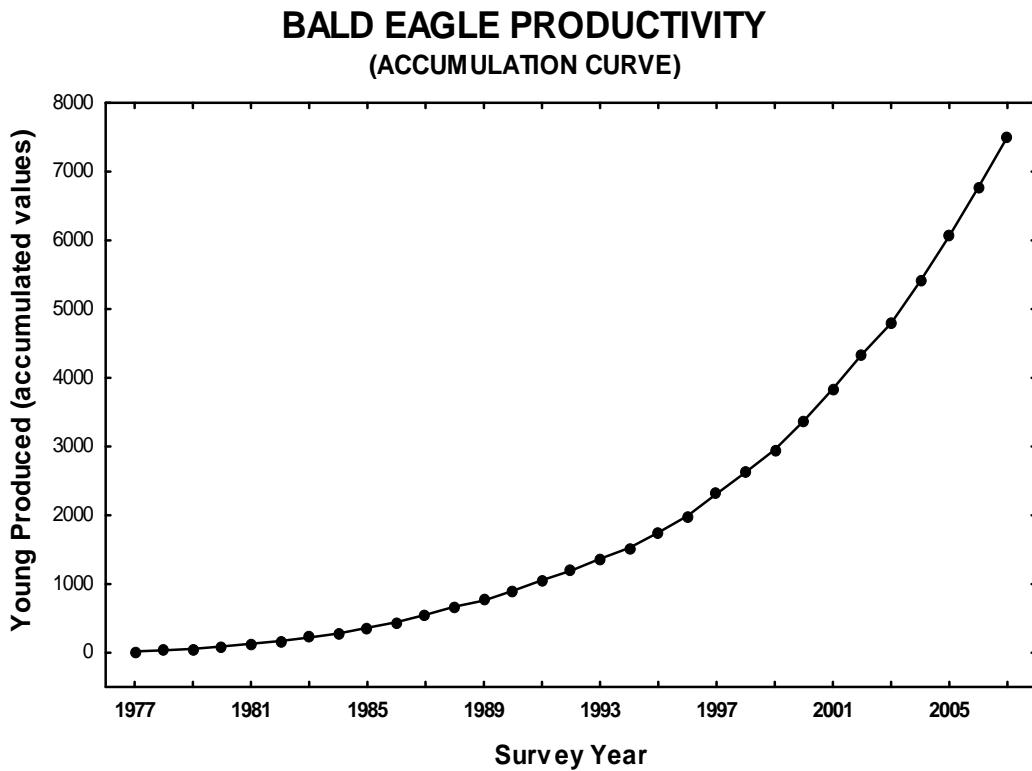
| COUNTY                    | OCCUP TERRS | ACTIVE NESTS | CHICKS PROD | CHICKS/ ACT NESTS | CHICKS/ PROD NESTS |
|---------------------------|-------------|--------------|-------------|-------------------|--------------------|
| <b>Independent Cities</b> |             |              |             |                   |                    |
| Chesapeake                | 3           | 3            | 6           | 2.00              | 2.00               |
| Hampton                   | 3           | 3            | 5           | 1.67              | 1.67               |
| Hopewell                  | 1           | 1            | 0           | 0.00              | 0.00               |
| Newport News              | 4           | 4(3)         | 6           | 1.50              | 2.00               |
| Norfolk                   | 1           | 1            | 3           | 3.00              | 3.00               |
| Petersburg                | 1           | 1            | 2           | 2.00              | 2.00               |
| Richmond                  | 1           | 1            | 1           | 1.00              | 1.00               |
| Suffolk                   | 6           | 6(4)         | 8           | 1.33              | 2.00               |
| Virginia Beach            | 4           | 3            | 5           | 2.67              | 1.67               |

<sup>1</sup>Results of 1 active nest unknown.

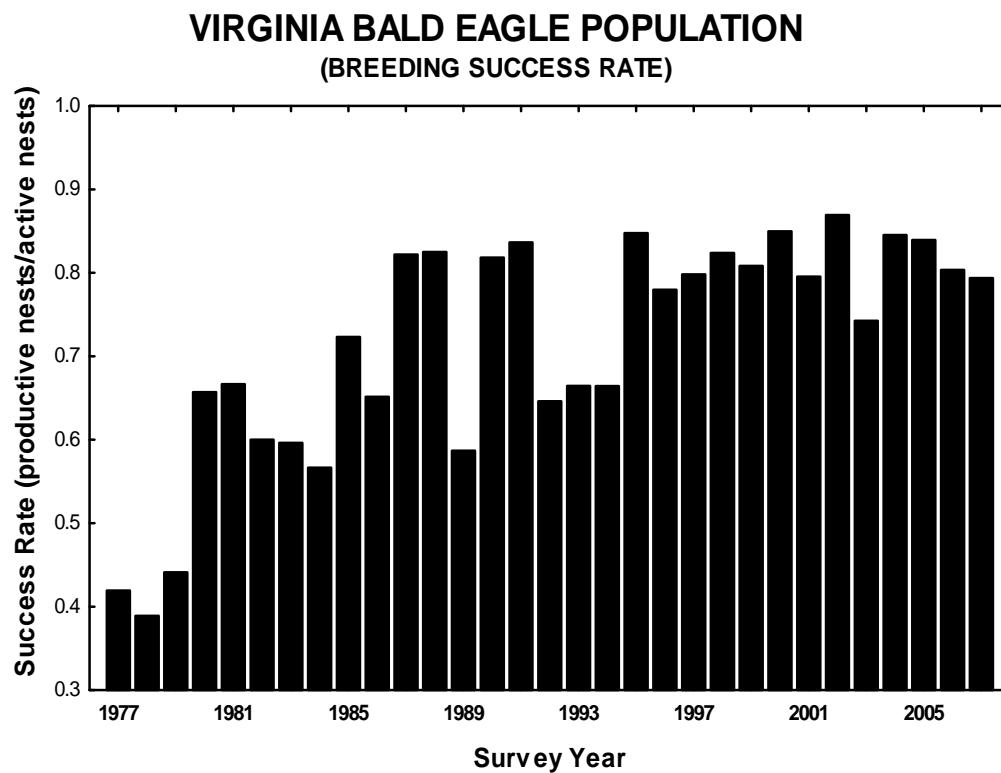
<sup>2</sup>Results of 8 active nests unknown.

## Productivity

A total of 737 chicks were counted during the productivity flight (Table 1, see Appendices I – VIII for nesting details by geographic area). This is the highest chick production recorded during the 31-year survey. The Virginia population continues to have tremendous reproductive momentum. Of 7,505 chicks documented in the past 31 years, 9.8% were produced in 2006 and more than 60.6% were produced since 2000 (Figure 3). In general, this momentum is the combined result of an overall increase in the breeding population, the breeding success rate and the average brood size. Average reproductive rate (1.45 chicks/breeding attempt) was only in the upper 30% of years over the survey history likely due to the wet early spring. Success rate and average brood size were both high in 2007. The percentage of active nests that were documented to be successful was 79.3% (Figure 4). Average brood size (chicks/productive nests) was 1.82 chicks/nest (Figure 5). These values continue the upward trend in reproductive performance observed over the past 15 years.

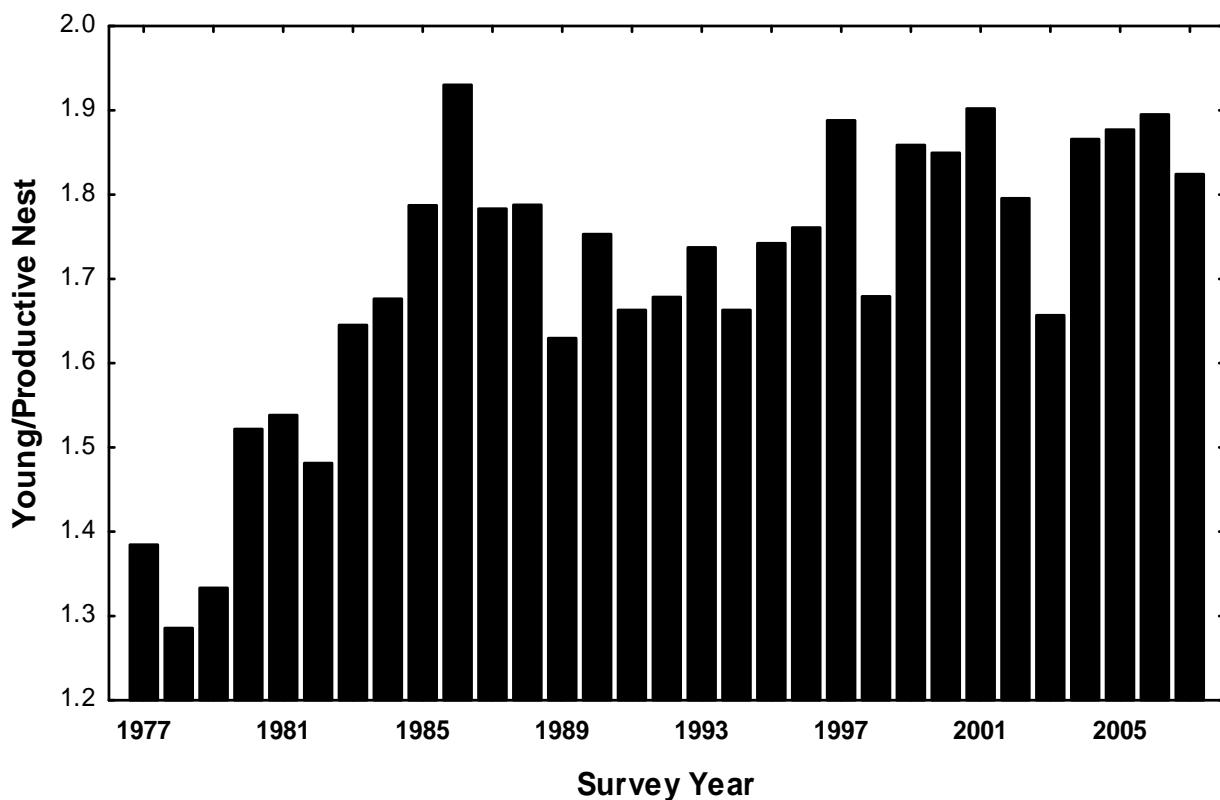


**Figure 3.** Productivity accumulation curve for Bald Eagles in Virginia (1977-2007). Total chicks produced over the 31-year study was 7,505.



**Figure 4.** General trend in success rate for Bald Eagles in Virginia (1977-2007)

## VIRGINIA BALD EAGLE BREEDING POPULATION (BROOD SIZE)



**Figure 5.** Temporal trend in average brood size for Bald Eagles in Virginia (1977-2007).

## DISCUSSION

Bald Eagles within Virginia have experienced a dramatic recovery since the 1970s. During the period of this survey, the average, annual rate of increase has been greater than 9%. This level of growth is comparable to that experienced by other populations within the portion of the breeding range where the species has been federally listed. During the 15-year period between 1982 and 1997, average growth rate within the conterminous United States was 8.6% (Buehler 2000).

Nesting success in the lower Chesapeake Bay may be the highest on record in North America. Since 1995, 74% of occupied territories produced at least one young. Success rates in many parts of North America have ranged between 60% and 65%, including the Pacific Northwest (Anthony et al. 1994, Watson et al. 2002) and the Rocky Mountains (Swenson et al. 1986, Kralovec et al. 1992). In Alaska (Stiedl et al. 1997) and Arizona (Driscoll et al. 1999) only half of nesting pairs produced young.

The reproductive rate in the lower Chesapeake Bay eagles is comparable to or greater than those of other regions. The highest reproductive rates have been in Florida where nesting Bald Eagles produced 1.3 young per breeding pair during 1997-2001 (Millsap et al. 2004) and Wisconsin where eagles produced 1.3 young per occupied territory in the mid 1980s (Kozie and Anderson 1991). Productivity in the Rocky Mountain states has ranged from 1.0 to 1.2 young per nesting pair (Swenson et al 1986, Kralovec et al. 1992). Reproductive rates in the Pacific Northwest were 0.9 young per occupied nest (Anthony et al. 1994, Watson et al. 2002). In Alaska, productivity (0.8 yg/pair) was well below that in the Chesapeake Bay (Stiedl et al. 1997). The lowest reproductive rate (0.13 yg/pair) recorded in recent times was in Alaska on Prince of Wales Island (Anthony 2001). That low rate was attributed to high densities of nesting bald eagles. There is no indication in the Chesapeake Bay that nesting densities are reducing productivity rates yet.

A reproductive rate of 0.7 chicks/breeding attempt has been suggested to represent the threshold for population maintenance for Bald Eagles (Sprunt et al. 1973). Buehler et al. (1991a) estimated that 1.0 chicks/successful nest (equivalent to brood size) was required for population maintenance in the Bay. A reproductive rate of 1.1 chicks/breeding attempt was set as the recovery goal for the Chesapeake Bay population (Byrd et al. 1990). Documented rates for the Chesapeake Bay population reached an all-time low of 0.2 chicks/breeding attempt in 1962 (Abbott 1963). Productivity showed a steady increase throughout the late 1960s and early 1970s, reaching projected maintenance levels by the mid-1970s (Abbott 1978). The population has met or exceeded the productivity target outlined in the recovery plan in every year since 1985. The reproductive rate documented by Tyrrell in 1936 was nearly 1.5 chicks/breeding attempt. The population has achieved this rate in 4 of the 5 years between 1997 and 2001.

Given the tremendous forward momentum currently exhibited by the breeding population, it seems likely that Bald Eagles will reach saturation within the Bay in a relatively short period of time. No specific estimates of the Chesapeake Bay Bald Eagle population are available prior to the early 1900s. However, given the high productivity of Bay waters and the availability of extensive shallow-water foraging areas, it has been speculated that prior to European settlement the Chesapeake Bay may have supported one of the densest breeding populations of Bald Eagles outside of Alaska. By applying breeding densities from Alaska to the 13,000 km of Chesapeake shoreline, Fraser et al. (1996) suggested that the Chesapeake may have supported in excess of 3,000 breeding pairs of Bald Eagles prior to European Settlement. However, a recent investigation shows significant spatial variation in both colonization rates and breeding density suggesting that carrying capacity varies widely throughout the Bay (Watts et al. 2006). By fitting population growth data (1977 – 2002) for birds in portions of the lower Chesapeake Bay to a logistic curve, Watts et al. (2006) estimated that the population had reached

approximately 70% of capacity. This suggests that the current carrying capacity of the Bay may be half of that estimated by Fraser al. (1996) for the pristine Bay and that if recent growth rates continue, this population should reach that level within the next decade.

The availability of undeveloped waterfront property has become the dominant limiting factor for Bald Eagles in the Chesapeake Bay. Human activity is the best predictor of eagle distribution within the tidal portion of the Bay. Indicators of human activity such as housing and road density, shoreline use, and boating activity have been related to nest distribution (Watts et al. 1994), shoreline use (Buehler et al. 1991b, Watts and Whelan 1997), and the likelihood of nest abandonment (Therres et al. 1993) or recolonization (Watts, unpublished data). Since Bald Eagles began their most dramatic decline in the 1950s, the human population within the tidal reach of the Bay has increased by more than 50% (<http://www.census.gov>). A preliminary review of development occurring around eagle nests in the lower Chesapeake Bay shows that development had occurred in 55% of shoreline areas by the late 1980's (Byrd et al. 1990). Similarly, Buehler et al. (1991b) found that in northern areas of the Bay, 75.6% of the shoreline had developments within 500 m. Application of a habitat suitability model to the James River in 1991 revealed that more than 50% of the available area was not suitable for eagle breeding due to human use (Watts et al. 1994).

Increases in the human population around the Chesapeake Bay are expected to continue for the foreseeable future (Gray et al. 1988) likely causing further reductions in the capacity of the Bay to support Bald Eagles. In the long term, the size and stability of the breeding population will depend on both the Bald Eagle's capacity to cope with human activity and the management community's ability to protect suitable breeding habitat. In Florida, Millsap et al. (2004) found similar nest occupancy rates and brood sizes between suburban and rural nesting bald eagles. They defined suburban nest sites as those with >50% intensive human use within 1,500 m of the nest. Young per occupied nest site averaged 1.3 in suburban nests between 1996 and 2001. That is comparable to productivity of Chesapeake Bay bald eagles during the same time period. Though few in number as of 2001, bald eagles nesting in suburban situations are increasing in the Chesapeake Bay area. Over the past decade, the transition in the eagle population has been ongoing with an increasing number of pairs breeding in very disturbed settings. A recent investigation within the lower Chesapeake Bay has shown that success rate and productivity for pairs within the most human dominated settings are not statistically distinguishable from pairs in the most pristine settings (Watts 2006).

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**Appendix I:** Summary of 2007 Bald Eagle survey results for the Potomac River Drainage. See methods section for definition of “occupied territory” and “active nest”.<sup>1</sup> Nesting results unknown due to dense foliage during productivity flight.

| Nest Code | County      | Topo Quad    | Occupied Territory | Active Nest | Chick Production |
|-----------|-------------|--------------|--------------------|-------------|------------------|
| FF-00-02  | Fairfax     | Fort Belvoir | Y                  | N           | NA               |
| FF-04-01  | Fairfax     | Fort Belvoir | Y                  | Y           | 2                |
| FF-04-03  | Fairfax     | Indian Head  | Y                  | Y           | 2                |
| FF-05-01  | Fairfax     | Fort Belvoir | Y                  | Y           | 3                |
| FF-05-02  | Fairfax     | Occoquan     | Y                  | Y           | 3                |
| FF-06-01  | Fairfax     | Fort Belvoir | Y                  | Y           | unknown          |
| FF-07-01  | Fairfax     | Fort Belvoir | Y                  | Y           | 2                |
| FF-07-02  | Fairfax     | Indian Head  | Y                  | Y           | 1                |
| FF-07-03  | Fairfax     | Indian Head  | Y                  | Y           | 2                |
| FF-07-04  | Fairfax     | Fort Belvoir | Y                  | Y           | 2                |
| FF-07-05  | Fairfax     | Fort Belvoir | Y                  | Y           | 0                |
| FF-96-01  | Fairfax     | Fort Belvoir | Y                  | Y           | 0                |
| FF-96-02  | Fairfax     | Fort Belvoir | Y                  | Y           | unknown          |
| FF-97-01  | Fairfax     | Fort Belvoir | Y                  | Y           | 1                |
| KG-00-01  | King George | Dahlgren     | Y                  | Y           | 2                |
| KG-00-02  | King George | Dahlgren     | Y                  | Y           | 0                |
| KG-04-04  | King George | King George  | Y                  | Y           | 2                |
| KG-04-05  | King George | Dahlgren     | Y                  | Y           | 0                |
| KG-04-07  | King George | Dahlgren     | Y                  | Y           | 2                |
| KG-05-07  | King George | King George  | Y                  | Y           | 1                |
| KG-05-08  | King George | King George  | Y                  | Y           | 0                |
| KG-05-09  | King George | Dahlgren     | Y                  | Y           | 1                |
| KG-06-03  | King George | Passapatanzy | Y                  | Y           | 2                |
| KG-06-04  | King George | King George  | Y                  | Y           | 2                |
| KG-06-05  | King George | Dahlgren     | Y                  | Y           | 0                |
| KG-06-06  | King George | Dahlgren     | Y                  | Y           | 2                |
| KG-06-07  | King George | Mathias Pt   | Y                  | Y           | 3                |
| KG-06-08  | King George | Dahlgren     | Y                  | Y           | 0                |
| KG-07-03  | King George | Passapatanzy | Y                  | Y           | 0                |
| KG-07-04  | King George | King George  | Y                  | Y           | 1                |
| KG-07-05  | King George | Dahlgren     | Y                  | Y           | 1                |
| KG-07-06  | King George | Mathias Pnt  | Y                  | Y           | 2                |
| KG-07-07  | King George | Mathias Pnt  | Y                  | Y           | 2                |
| KG-07-08  | King George | Dahlgren     | Y                  | Y           | 1                |
| KG-07-09  | King George | Dahlgren     | Y                  | Y           | 2                |
| KG-07-10  | King George | Dahlgren     | Y                  | Y           | 2                |
| KG-82-02  | King George | Rollins Fork | Y                  | Y           | 2                |
| KG-87-03  | King George | King George  | Y                  | Y           | 0                |
| KG-87-04  | King George | Dahlgren     | Y                  | Y           | 1                |

**Appendix I:** -continued-

| Nest Code | County         | Topo Quad      | Occupied Territory | Active Nest | Chick Production |
|-----------|----------------|----------------|--------------------|-------------|------------------|
| KG-87-05  | King George    | Mathias Point  | Y                  | Y           | 0                |
| KG-90-02  | King George    | King George    | Y                  | Y           | 2                |
| KG-97-01  | King George    | Passapatanzy   | Y                  | Y           | 1                |
| KG-97-05  | King George    | Dahlgren       | Y                  | Y           | 3                |
| KG-99-05  | King George    | Dahlgren       | Y                  | Y           | 0                |
| KG-99-07  | King George    | Mathias Pt     | Y                  | Y           | 1                |
| ND-02-02  | Northumberland | Lottsburg      | Y                  | Y           | 2                |
| ND-03-02  | Northumberland | Kinsale        | Y                  | Y           | 1                |
| ND-04-03  | Northumberland | Burgess        | Y                  | Y           | 1                |
| ND-04-05  | Northumberland | Heathsburg     | Y                  | Y           | 1                |
| ND-04-06  | Northumberland | St. George Isl | Y                  | Y           | 2                |
| ND-05-01  | Northumberland | Lottsburg      | Y                  | Y           | 2                |
| ND-06-02  | Northumberland | Fleets Bay     | Y                  | Y           | 1                |
| ND-07-01  | Northumberland | Fleets Bay     | Y                  | Y           | 2                |
| ND-07-02  | Northumberland | Reedville      | Y                  | N           | NA               |
| ND-07-03  | Northumberland | Burgess        | Y                  | N           | NA               |
| ND-07-04  | Northumberland | Burgess        | Y                  | Y           | 3                |
| ND-86-01  | Northumberland | Lancaster      | Y                  | Y           | 2                |
| ND-96-01  | Northumberland | Kinsale        | Y                  | Y           | 0                |
| ND-98-01  | Northumberland | Heathsburg     | Y                  | Y           | 2                |
| PW-02-01  | Prince William | Quantico       | Y                  | Y           | 1                |
| PW-03-02  | Prince William | Quantico       | Y                  | Y           | unknown          |
| PW-06-01  | Prince William | Quantico       | Y                  | Y           | 0                |
| PW-06-02  | Prince William | Quantico       | Y                  | Y           | 2                |
| PW-06-03  | Prince William | Quantico       | Y                  | Y           | 1                |
| PW-07-01  | Prince William | Quantico       | Y                  | Y           | 0                |
| PW-99-01  | Prince William | Quantico       | Y                  | Y           | 0                |
| PW-99-02  | Prince William | Quantico       | Y                  | N           | NA               |
| ST-00-01  | Stafford       | Widewater      | Y                  | Y           | 2                |
| ST-00-02  | Stafford       | Joplin         | Y                  | N           | NA               |
| ST-01-02  | Stafford       | Widewater      | Y                  | Y           | 2                |
| ST-01-03  | Stafford       | Widewater      | Y                  | Y           | 1                |
| ST-04-02  | Stafford       | Widewater      | Y                  | Y           | 2                |
| ST-05-01  | Stafford       | Widewater      | Y                  | Y           | 2                |
| ST-05-03  | Stafford       | Passapatanzy   | Y                  | Y           | 2                |
| ST-05-04  | Stafford       | Passapatanzy   | Y                  | Y           | 1                |
| ST-06-01  | Stafford       | Passapatanzy   | Y                  | Y           | 2                |
| ST-07-01  | Stafford       | Widewater      | Y                  | Y           | 0                |
| ST-07-02  | Stafford       | Passapatanzy   | Y                  | Y           | 2                |
| ST-98-03  | Stafford       | Quantico       | Y                  | Y           | 2                |
| WE-00-03  | Westmoreland   | Kinsale        | Y                  | Y           | 0                |

**Appendix I:** -continued-

| Nest Code | County       | Topo Quad         | Occupied Territory | Active Nest | Chick Production |
|-----------|--------------|-------------------|--------------------|-------------|------------------|
| WE-00-07  | Westmoreland | Kinsale           | Y                  | Y           | 2                |
| WE-01-04  | Westmoreland | Colonial Beach S. | Y                  | Y           | 2                |
| WE-01-10  | Westmoreland | Piney Point       | Y                  | Y           | 2                |
| WE-01-11  | Westmoreland | Rollins Fork      | Y                  | Y           | 2                |
| WE-01-12  | Westmoreland | Machodac          | Y                  | Y           | 3                |
| WE-02-03  | Westmoreland | Stratford Hall    | Y                  | Y           | 2                |
| WE-02-05  | Westmoreland | St. Clements Isl  | Y                  | Y           | 2                |
| WE-02-07  | Westmoreland | Kinsale           | Y                  | Y           | 1                |
| WE-03-03  | Westmoreland | Colonial Beach N. | Y                  | Y           | 2                |
| WE-03-07  | Westmoreland | Colonial Beach S. | Y                  | Y           | 2                |
| WE-03-08  | Westmoreland | Colonial Beach S. | Y                  | Y           | 3                |
| WE-03-10  | Westmoreland | Stratford Hall    | Y                  | Y           | 0                |
| WE-03-11  | Westmoreland | Machodac          | Y                  | Y           | 2                |
| WE-03-12  | Westmoreland | St. Clements Isl  | Y                  | Y           | 2                |
| WE-03-15  | Westmoreland | St. Clements Isl  | Y                  | Y           | 2                |
| WE-04-07  | Westmoreland | St. Clements Isl  | Y                  | Y           | 3                |
| WE-04-14  | Westmoreland | Colonial Beach N. | Y                  | Y           | 0                |
| WE-05-08  | Westmoreland | Machodac          | Y                  | Y           | 1                |
| WE-05-09  | Westmoreland | St. Clements Isl  | Y                  | Y           | 0                |
| WE-05-10  | Westmoreland | Rollins Fork      | Y                  | Y           | 1                |
| WE-06-02  | Westmoreland | Colonial Beach S. | Y                  | Y           | 3                |
| WE-06-03  | Westmoreland | Colonial Beach S. | Y                  | Y           | 0                |
| WE-06-04  | Westmoreland | Machodac          | Y                  | Y           | 2                |
| WE-06-05  | Westmoreland | Machodac          | Y                  | Y           | 2                |
| WE-06-07  | Westmoreland | Machodac          | Y                  | Y           | 2                |
| WE-06-08  | Westmoreland | Machodac          | Y                  | Y           | 1                |
| WE-06-09  | Westmoreland | Kinsale           | Y                  | Y           | 0                |
| WE-06-10  | Westmoreland | Colonial Beach S. | Y                  | Y           | 2                |
| WE-07-02  | Westmoreland | Rollins Fork      | Y                  | Y           | 1                |
| WE-07-03  | Westmoreland | Rollins Fork      | Y                  | Y           | 2                |
| WE-07-05  | Westmoreland | Colonial Beach S. | Y                  | Y           | 1                |
| WE-07-06  | Westmoreland | St. Clements Isl  | Y                  | Y           | 0                |
| WE-07-07  | Westmoreland | Machodac          | Y                  | Y           | 0                |
| WE-07-08  | Westmoreland | Kinsale           | Y                  | N           | NA               |
| WE-87-02  | Westmoreland | Colonial Beach S. | Y                  | Y           | 2                |
| WE-90-01  | Westmoreland | Colonial Beach S. | Y                  | Y           | 1                |
| WE-91-02  | Westmoreland | Stratford Hall    | Y                  | Y           | 2                |
| WE-95-03  | Westmoreland | Rollins Fork      | Y                  | Y           | 2                |
| WE-96-03  | Westmoreland | St. Clements Isl  | Y                  | Y           | 0                |

**Appendix I:** -continued-

| <b>Nest Code</b> | <b>County</b> | <b>Topo Quad</b>  | <b>Occupied Territory</b> | <b>Active Nest</b> | <b>Chick Production</b> |
|------------------|---------------|-------------------|---------------------------|--------------------|-------------------------|
| WE-96-05         | Westmoreland  | Stratford Hall    | Y                         | Y                  | 1                       |
| WE-98-03         | Westmoreland  | Colonial Beach S. | Y                         | Y                  | 1                       |
| WE-98-05         | Westmoreland  | Machodac          | Y                         | Y                  | 1                       |
| WE-98-07         | Westmoreland  | Kinsale           | Y                         | Y                  | 3                       |

**Appendix II:** Summary of 2007 Bald Eagle survey results for the Rappahannock River Drainage. See methods section for definition of “occupied territory” and “active nest”.

| Nest Code | County   | Topo Quad     | Occupied Territory | Active Nest | Chick Production |
|-----------|----------|---------------|--------------------|-------------|------------------|
| CA-00-02  | Caroline | Rapp Academy  | Y                  | Y           | 0                |
| CA-01-01  | Caroline | Rapp Academy  | Y                  | Y           | 0                |
| CA-02-01  | Caroline | Port Royal    | Y                  | Y           | unknown          |
| CA-04-01  | Caroline | Supply        | Y                  | Y           | unknown          |
| CA-04-02  | Caroline | Supply        | Y                  | Y           | unknown          |
| CA-04-03  | Caroline | Bowling Green | Y                  | Y           | unknown          |
| CA-04-04  | Caroline | Port Royal    | Y                  | Y           | unknown          |
| CA-05-01  | Caroline | Rapp Academy  | Y                  | Y           | 3                |
| CA-05-02  | Caroline | Bowling Green | Y                  | Y           | unknown          |
| CA-06-01  | Caroline | Port Royal    | Y                  | Y           | 3                |
| CA-06-02  | Caroline | Port Royal    | Y                  | Y           | 1                |
| CA-06-03  | Caroline | Rollins Fork  | Y                  | Y           | 2                |
| CA-06-03  | Caroline | Rollins Fork  | Y                  | Y           | 2                |
| CA-90-03  | Caroline | Rapp Academy  | Y                  | Y           | 2                |
| CA-95-02  | Caroline | Rapp Academy  | Y                  | Y           | 1                |
| CA-96-03  | Caroline | Supply        | Y                  | Y           | unknown          |
| CA-96-05  | Caroline | Port Royal    | Y                  | Y           | unknown          |
| ES-00-03  | Essex    | Champlain     | Y                  | Y           | 0                |
| ES-00-04  | Essex    | Champlain     | Y                  | N           | NA               |
| ES-01-03  | Essex    | Mount Landing | Y                  | Y           | 2                |
| ES-01-05  | Essex    | Champlain     | Y                  | Y           | 1                |
| ES-01-06  | Essex    | Champlain     | Y                  | Y           | 2                |
| ES-03-01  | Essex    | Dunnsville    | Y                  | Y           | 1                |
| ES-03-02  | Essex    | Tappahannock  | Y                  | Y           | 1                |
| ES-03-03  | Essex    | Dunnsville    | Y                  | Y           | 2                |
| ES-04-02  | Essex    | Dunnsville    | Y                  | Y           | 2                |
| ES-04-05  | Essex    | Mount Landing | Y                  | Y           | 2                |
| ES-04-08  | Essex    | Champlain     | Y                  | Y           | 2                |
| ES-04-11  | Essex    | Loretto       | Y                  | Y           | 2                |
| ES-04-12  | Essex    | Loretto       | Y                  | Y           | 3                |
| ES-05-01  | Essex    | Dunnsville    | Y                  | Y           | 2                |
| ES-05-05  | Essex    | Champlain     | Y                  | Y           | 2                |
| ES-05-07  | Essex    | Champlain     | Y                  | Y           | 0                |
| ES-05-08  | Essex    | Champlain     | Y                  | Y           | 2                |
| ES-05-09  | Essex    | Rollins Fork  | Y                  | Y           | 0                |
| ES-05-10  | Essex    | Rollins Fork  | Y                  | Y           | 2                |
| ES-06-02  | Essex    | Tappahannock  | Y                  | Y           | 3                |
| ES-06-04  | Essex    | Mount Landing | Y                  | Y           | 3                |

**Appendix II:** -continued-

| Nest Code | County      | Topo Quad     | Occupied Territory | Active Nest | Chick Production |
|-----------|-------------|---------------|--------------------|-------------|------------------|
| ES-06-08  | Essex       | Champlain     | Y                  | Y           | 1                |
| ES-06-09  | Essex       | Rollins Fork  | Y                  | Y           | 0                |
| ES-07-01  | Essex       | Morattico     | Y                  | Y           | 0                |
| ES-07-02  | Essex       | Tappahannock  | Y                  | Y           | 2                |
| ES-07-03  | Essex       | Mount Landing | Y                  | Y           | 1                |
| ES-07-04  | Essex       | Mount Landing | Y                  | Y           | 2                |
| ES-07-05  | Essex       | Champlain     | Y                  | Y           | 2                |
| ES-07-06  | Essex       | Champlain     | Y                  | Y           | 2                |
| ES-07-07  | Essex       | Champlain     | Y                  | Y           | 0                |
| ES-07-08  | Essex       | Loretto       | Y                  | Y           | 0                |
| ES-07-09  | Essex       | Rollins Fork  | Y                  | Y           | 0                |
| ES-79-01  | Essex       | Morattico     | Y                  | Y           | 1                |
| ES-92-02  | Essex       | Loretto       | Y                  | Y           | 0                |
| KG-02-01  | King George | Port Royal    | Y                  | Y           | 1                |
| KG-03-01  | King George | Passapatanzy  | Y                  | Y           | 2                |
| KG-03-02  | King George | Rollins Fork  | Y                  | Y           | 0                |
| KG-05-01  | King George | Port Royal    | Y                  | Y           | 3                |
| KG-05-02  | King George | Port Royal    | Y                  | Y           | 1                |
| KG-05-03  | King George | Port Royal    | Y                  | Y           | 2                |
| KG-05-05  | King George | Port Royal    | Y                  | Y           | 1                |
| KG-05-06  | King George | Rollins Fork  | Y                  | Y           | 2                |
| KG-06-01  | King George | Port Royal    | Y                  | Y           | 1                |
| KG-06-02  | King George | Rollins Fork  | Y                  | Y           | 2                |
| KG-07-01  | King George | Port Royal    | Y                  | Y           | 2                |
| KG-07-02  | King George | Rollins Fork  | Y                  | Y           | 1                |
| KG-95-03  | King George | Rollins Fork  | Y                  | Y           | 0                |
| KG-96-01  | King George | Port Royal    | Y                  | Y           | 3                |
| KG-97-08  | King George | Rollins Fork  | Y                  | Y           | 1                |
| LA-01-02  | Lancaster   | Irvington     | Y                  | Y           | 2                |
| LA-03-05  | Lancaster   | Lively        | Y                  | Y           | 0                |
| LA-04-01  | Lancaster   | Lively        | Y                  | Y           | 1                |
| LA-04-02  | Lancaster   | Lively        | Y                  | Y           | 1                |
| LA-04-04  | Lancaster   | Irvington     | Y                  | Y           | 1                |
| LA-04-07  | Lancaster   | Urbanna       | Y                  | Y           | 2                |
| LA-06-02  | Lancaster   | Lively        | Y                  | Y           | 1                |
| LA-06-03  | Lancaster   | Irvington     | Y                  | Y           | 2                |
| LA-07-01  | Lancaster   | Urbanna       | Y                  | Y           | 0                |
| LA-07-02  | Lancaster   | Irvington     | Y                  | Y           | 2                |
| LA-07-03  | Lancaster   | Deltaville    | Y                  | Y           | 1                |

**Appendix II:** -continued-

| Nest Code | County    | Topo Quad     | Occupied Territory | Active Nest | Chick Production |
|-----------|-----------|---------------|--------------------|-------------|------------------|
| LA-96-02  | Lancaster | Lively        | Y                  | Y           | 2                |
| LA-99-03  | Lancaster | Lively        | Y                  | Y           | 2                |
| MI-01-03  | Middlesex | Morattico     | Y                  | Y           | 0                |
| MI-02-03  | Middlesex | Church View   | Y                  | Y           | 0                |
| MI-02-04  | Middlesex | Church View   | Y                  | Y           | 2                |
| MI-02-05  | Middlesex | Church View   | Y                  | Y           | 2                |
| MI-02-07  | Middlesex | Saluda        | Y                  | Y           | 2                |
| MI-03-01  | Middlesex | Wilton        | Y                  | Y           | 2                |
| MI-03-02  | Middlesex | Church View   | Y                  | Y           | 2                |
| MI-03-03  | Middlesex | Urbanna       | Y                  | N           | NA               |
| MI-05-02  | Middlesex | Urbanna       | Y                  | Y           | 2                |
| MI-05-03  | Middlesex | Church View   | Y                  | Y           | 2                |
| MI-06-01  | Middlesex | Wilton        | Y                  | Y           | 2                |
| MI-06-02  | Middlesex | Urbanna       | Y                  | Y           | 0                |
| MI-06-04  | Middlesex | Church View   | Y                  | Y           | 2                |
| MI-07-02  | Middlesex | Urbanna       | Y                  | Y           | 2                |
| MI-07-02  | Middlesex | Urbanna       | Y                  | Y           | 1                |
| MI-96-01  | Middlesex | Urbanna       | Y                  | N           | NA               |
| RI-03-01  | Richmond  | Champlain     | Y                  | Y           | unknown          |
| RI-03-05  | Richmond  | Tappahannock  | Y                  | Y           | 0                |
| RI-03-06  | Richmond  | Tappahannock  | Y                  | Y           | 1                |
| RI-03-08  | Richmond  | Haynesville   | Y                  | Y           | 1                |
| RI-03-10  | Richmond  | Haynesville   | Y                  | Y           | 2                |
| RI-03-11  | Richmond  | Haynesville   | Y                  | Y           | 2                |
| RI-03-13  | Richmond  | Morattico     | Y                  | Y           | 2                |
| RI-04-03  | Richmond  | Morattico     | Y                  | Y           | 0                |
| RI-05-01  | Richmond  | Champlain     | Y                  | Y           | 2                |
| RI-05-02  | Richmond  | Mount Landing | Y                  | Y           | 2                |
| RI-05-09  | Richmond  | Morattico     | Y                  | Y           | 2                |
| RI-05-10  | Richmond  | Morattico     | Y                  | Y           | 2                |
| RI-06-01  | Richmond  | Tappahannock  | Y                  | Y           | 2                |
| RI-06-03  | Richmond  | Tappahannock  | Y                  | Y           | 2                |
| RI-06-04  | Richmond  | Montross      | Y                  | Y           | 0                |
| RI-06-05  | Richmond  | Tappahannock  | Y                  | Y           | 2                |
| RI-06-06  | Richmond  | Tappahannock  | Y                  | Y           | 0                |
| RI-06-08  | Richmond  | Haynesville   | Y                  | Y           | 1                |
| RI-06-09  | Richmond  | Morattico     | Y                  | Y           | 2                |
| RI-06-11  | Richmond  | Morattico     | Y                  | Y           | 2                |
| RI-07-01  | Richmond  | Mount Landing | Y                  | Y           | 2                |

**Appendix II:** -continued-

| Nest Code | County       | Topo Quad    | Occupied Territory | Active Nest | Chick Production |
|-----------|--------------|--------------|--------------------|-------------|------------------|
| RI-07-02  | Richmond     | Tappahannock | Y                  | Y           | 0                |
| RI-07-03  | Richmond     | Tappahannock | Y                  | Y           | 0                |
| RI-07-04  | Richmond     | Tappahannock | Y                  | Y           | 0                |
| RI-07-05  | Richmond     | Tappahannock | Y                  | Y           | 3                |
| RI-07-06  | Richmond     | Haynesville  | Y                  | Y           | 3                |
| RI-07-07  | Richmond     | Morattico    | Y                  | Y           | 2                |
| RI-07-08  | Richmond     | Lively       | Y                  | Y           | 1                |
| RI-81-02  | Richmond     | Champlain    | Y                  | Y           | 1                |
| RI-87-03  | Richmond     | Tappahannock | Y                  | Y           | 2                |
| RI-90-03  | Richmond     | Champlain    | Y                  | Y           | 2                |
| RI-96-03  | Richmond     | Morattico    | Y                  | Y           | 3                |
| RI-97-01  | Richmond     | Montross     | Y                  | Y           | 0                |
| RI-97-01  | Richmond     | Montross     | Y                  | Y           | 0                |
| RI-98-01  | Richmond     | Champlain    | Y                  | Y           | 1                |
| RI-98-05  | Richmond     | Tappahannock | Y                  | Y           | 2                |
| RI-99-03  | Richmond     | Lively       | Y                  | Y           | 2                |
| WE-00-10  | Westmoreland | Champlain    | Y                  | Y           | 0                |
| WE-01-01  | Westmoreland | Rollins Fork | Y                  | Y           | 1                |
| WE-01-02  | Westmoreland | Loretto      | Y                  | Y           | 2                |
| WE-02-01  | Westmoreland | Champlain    | Y                  | Y           | 2                |
| WE-03-02  | Westmoreland | Champlain    | Y                  | Y           | 3                |
| WE-03-16  | Westmoreland | Haynesville  | Y                  | Y           | 2                |
| WE-04-01  | Westmoreland | Rollins Fork | Y                  | Y           | 2                |
| WE-04-02  | Westmoreland | Rollins Fork | Y                  | Y           | 2                |
| WE-06-01  | Westmoreland | Champlain    | Y                  | Y           | 2                |
| WE-07-01  | Westmoreland | Loretto      | Y                  | N           | NA               |
| WE-88-01  | Westmoreland | Champlain    | Y                  | Y           | 2                |

**Appendix III:** Summary of 2007 Bald Eagle survey results for the York River Drainage. See methods section for definition of "occupied territory" and "active nest".

| Nest Code | County         | Topo Quad      | Occupied Territory | Active Nest | Chick Production |
|-----------|----------------|----------------|--------------------|-------------|------------------|
| GL-02-02  | Gloucester     | Gressitt       | Y                  | Y           | 2                |
| GL-04-01  | Gloucester     | Gressitt       | Y                  | Y           | 2                |
| GL-04-03  | Gloucester     | Gloucester     | Y                  | Y           | 3                |
| GL-05-02  | Gloucester     | Gressitt       | Y                  | Y           | 2                |
| GL-06-01  | Gloucester     | Clay Bank      | Y                  | Y           | 2                |
| GL-06-02  | Gloucester     | Gloucester     | Y                  | Y           | 2                |
| GL-07-01  | Gloucester     | Clay Bank      | Y                  | Y           | 2                |
| GL-07-02  | Gloucester     | Clay Bank      | Y                  | Y           | 0                |
| GL-07-03  | Gloucester     | Achilles       | Y                  | Y           | 0                |
| HN-05-01  | Hanover        | Hanover        | Y                  | Y           | 0                |
| JC-00-01  | James City     | Gressitt       | Y                  | N           | NA               |
| JC-05-02  | James City     | Williamsburg   | Y                  | Y           | 2                |
| JC-07-04  | James City     | Williamsburg   | Y                  | Y           | 2                |
| JC-95-01  | James City     | Toano          | Y                  | Y           | 2                |
| KQ-03-02  | King and Queen | K&Q Courthouse | Y                  | Y           | 0                |
| KQ-05-01  | King and Queen | King William   | Y                  | Y           | 1                |
| KQ-05-02  | King and Queen | K&Q Courthouse | Y                  | N           | NA               |
| KQ-06-01  | King and Queen | West Point     | Y                  | Y           | 1                |
| KQ-07-01  | King and Queen | West Point     | Y                  | Y           | 2                |
| KW-01-01  | King William   | Tunstall       | Y                  | Y           | 2                |
| KW-02-01  | King William   | K&Q Courthouse | Y                  | Y           | 1                |
| KW-03-01  | King William   | Tunstall       | Y                  | Y           | 2                |
| KW-03-02  | King William   | West Point     | Y                  | Y           | 2                |
| KW-03-03  | King William   | New Kent       | Y                  | N           | NA               |
| KW-04-01  | King William   | New Kent       | Y                  | Y           | 2                |
| KW-05-01  | King William   | Tunstall       | Y                  | Y           | 2                |
| KW-05-03  | King William   | King William   | Y                  | Y           | 1                |
| KW-05-04  | King William   | King William   | Y                  | Y           | 2                |
| KW-06-01  | King William   | New Kent       | Y                  | Y           | 1                |
| KW-06-02  | King William   | K&Q Courthouse | Y                  | Y           | 2                |
| KW-07-01  | King William   | West Point     | Y                  | Y           | 2                |
| KW-07-02  | King William   | West Point     | Y                  | Y           | 1                |
| KW-07-03  | King William   | K&Q Courthouse | Y                  | Y           | 0                |
| KW-07-04  | King William   | K&Q Courthouse | Y                  | Y           | 1                |
| KW-80-01  | King William   | West Point     | Y                  | Y           | 1                |
| KW-88-01  | King William   | New Kent       | Y                  | Y           | 2                |
| KW-99-01  | King William   | K&Q Courthouse | Y                  | Y           | 2                |
| MA-06-01  | Mathews        | Mathews        | Y                  | Y           | 1                |
| MI-07-01  | Middlesex      | Wilton         | Y                  | N           | NA               |

**Appendix III: -continued-**

| Nest Code | County   | Topo Quad    | Occupied Territory | Active Nest | Chick Production |
|-----------|----------|--------------|--------------------|-------------|------------------|
| NK-01-01  | New Kent | West Point   | Y                  | Y           | 2                |
| NK-01-02  | New Kent | New Kent     | Y                  | Y           | 1                |
| NK-01-03  | New Kent | Tunstall     | Y                  | Y           | 0                |
| NK-03-01  | New Kent | Toano        | Y                  | Y           | 2                |
| NK-03-02  | New Kent | Toano        | Y                  | Y           | 2                |
| NK-03-03  | New Kent | Taono        | Y                  | Y           | 0                |
| NK-03-04  | New Kent | New Kent     | Y                  | Y           | 2                |
| NK-06-01  | New Kent | New Kent     | Y                  | Y           | 2                |
| NK-06-02  | New Kent | New Kent     | Y                  | Y           | 2                |
| NK-07-03  | New Kent | West Point   | Y                  | Y           | 2                |
| NK-07-04  | New Kent | West Point   | Y                  | Y           | 2                |
| NK-07-05  | New Kent | Tunstall     | Y                  | Y           | 2                |
| NK-98-04  | New Kent | New Kent     | Y                  | Y           | 2                |
| NK-99-01  | New Kent | Toano        | Y                  | Y           | 2                |
| YK-02-04  | York     | Williamsburg | Y                  | Y           | 0                |
| YK-02-06  | York     | Williamsburg | Y                  | N           | NA               |
| YK-03-01  | York     | Clay Bank    | Y                  | Y           | 1                |
| YK-04-01  | York     | Poquoson W.  | Y                  | Y           | 2                |
| YK-04-02  | York     | Yorktown     | Y                  | Y           | 0                |
| YK-04-03  | York     | Williamsburg | Y                  | Y           | 1                |
| YK-06-01  | York     | Williamsburg | Y                  | Y           | 0                |
| YK-07-01  | York     | Yorktown     | Y                  | Y           | 2                |
| YK-07-02  | York     | Clay Bank    | Y                  | Y           | 0                |
| YK-07-03  | York     | Williamsburg | Y                  | Y           | 1                |

**Appendix IV:** Summary of 2007 Bald Eagle survey results for the James River Drainage. See methods section for definition of "occupied territory" and "active nest".

| Nest Code | County       | Topo Quad    | Occupied Territory | Active Nest | Chick Production |
|-----------|--------------|--------------|--------------------|-------------|------------------|
| CC-02-02  | Charles City | Westover     | Y                  | Y           | 2                |
| CC-02-06  | Charles City | Brandon      | Y                  | Y           | 2                |
| CC-03-01  | Charles City | Westover     | Y                  | Y           | 2                |
| CC-03-02  | Charles City | Hopewell     | Y                  | Y           | 2                |
| CC-03-03  | Charles City | Westover     | Y                  | N           | NA               |
| CC-03-04  | Charles City | Westover     | Y                  | Y           | 1                |
| CC-03-05  | Charles City | Charles City | Y                  | Y           | 2                |
| CC-04-01  | Charles City | Westover     | Y                  | Y           | 0                |
| CC-04-07  | Charles City | Brandon      | Y                  | Y           | 1                |
| CC-04-08  | Charles City | Walkers      | Y                  | Y           | 2                |
| CC-05-02  | Charles City | Charles City | Y                  | Y           | 3                |
| CC-05-03  | Charles City | Brandon      | Y                  | Y           | 2                |
| CC-05-04  | Charles City | Walkers      | Y                  | Y           | 0                |
| CC-05-06  | Charles City | Charles City | Y                  | Y           | 0                |
| CC-06-01  | Charles City | Hopewell     | Y                  | Y           | 1                |
| CC-06-03  | Charles City | Charles City | Y                  | Y           | 2                |
| CC-06-05  | Charles City | Claremont    | Y                  | Y           | 0                |
| CC-06-06  | Charles City | Brandon      | Y                  | Y           | 2                |
| CC-06-07  | Charles City | Prov Forge   | Y                  | Y           | 1                |
| CC-07-01  | Charles City | Hopewell     | Y                  | Y           | 0                |
| CC-07-02  | Charles City | Hopewell     | Y                  | N           | NA               |
| CC-07-03  | Charles City | Westover     | Y                  | Y           | 2                |
| CC-07-04  | Charles City | Westover     | Y                  | Y           | 0                |
| CC-07-05  | Charles City | Westover     | Y                  | N           | NA               |
| CC-91-02  | Charles City | Charles City | Y                  | Y           | 2                |
| CC-92-01  | Charles City | Westover     | Y                  | Y           | 0                |
| CC-96-02  | Charles City | Brandon      | Y                  | Y           | 2                |
| CC-98-03  | Charles City | Brandon      | Y                  | Y           | 2                |
| CC-98-05  | Charles City | Brandon      | Y                  | Y           | 3                |
| CC-99-04  | Charles City | Charles City | Y                  | Y           | 2                |
| CC-99-06  | Charles City | Prov Forge   | Y                  | Y           | 3                |
| CD-02-02  | Chesterfield | Hopewell     | Y                  | Y           | 0                |
| CD-04-02  | Chesterfield | Dutch Gap    | Y                  | Y           | 0                |
| CD-04-03  | Chesterfield | Dutch Gap    | Y                  | Y           | 2                |
| CD-06-02  | Chesterfield | Hopewell     | Y                  | Y           | 0                |
| CD-06-03  | Chesterfield | Hopewell     | Y                  | Y           | 1                |
| CD-06-04  | Chesterfield | Hopewell     | Y                  | Y           | 2                |
| CD-07-01  | Chesterfield | Dutch Gap    | Y                  | Y           | 0                |
| CD-99-01  | Chesterfield | Hopewell     | Y                  | Y           | 1                |

**Appendix IV: -continued-**

| Nest Code | County        | Topo Quad       | Occupied Territory | Active Nest | Chick Production |
|-----------|---------------|-----------------|--------------------|-------------|------------------|
| HE-03-01  | Henrico       | Hopewell        | Y                  | Y           | 3                |
| HE-05-01  | Henrico       | Dutch Gap       | Y                  | Y           | 1                |
| HE-06-02  | Henrico       | Hopewell        | Y                  | Y           | 1                |
| HE-06-03  | Henrico       | Hopewell        | Y                  | Y           | 3                |
| HE-06-04  | Henrico       | Dutch Gap       | Y                  | Y           | 2                |
| HE-95-01  | Henrico       | Roxbury         | Y                  | Y           | 2                |
| HE-99-02  | Henrico       | Drewrys Bluff   | Y                  | Y           | 2                |
| HO-04-01  | Hopewell City | Hopewell        | Y                  | Y           | 0                |
| IW-02-01  | Isle of Wight | Bacons Castle   | Y                  | Y           | 2                |
| IW-04-01  | Isle of Wight | Benns Church    | Y                  | Y           | 1                |
| IW-04-02  | Isle of Wight | Mulberry Island | Y                  | Y           | 0                |
| IW-05-01  | Isle of Wight | Mulberry Island | Y                  | N           | NA               |
| IW-07-01  | Isle of Wight | Benns Church    | Y                  | Y           | 2                |
| IW-07-02  | Isle of Wight | Mulberry Island | Y                  | Y           | 1                |
| IW-96-01  | Isle of Wight | Benns Church    | Y                  | Y           | 2                |
| JC-01-01  | James City    | Surry           | Y                  | Y           | 2                |
| JC-01-02  | James City    | Hog Island      | Y                  | Y           | 3                |
| JC-01-05  | James City    | Surry           | Y                  | Y           | 0                |
| JC-02-01  | James City    | Norge           | Y                  | Y           | 1                |
| JC-03-01  | James City    | Norge           | Y                  | Y           | 0                |
| JC-04-01  | James City    | Hog Island      | Y                  | Y           | 2                |
| JC-04-03  | James City    | Norge           | Y                  | Y           | 2                |
| JC-04-04  | James City    | Norge           | Y                  | Y           | 1                |
| JC-04-07  | James City    | Norge           | Y                  | Y           | 2                |
| JC-04-08  | James City    | Surry           | Y                  | Y           | 2                |
| JC-05-01  | James City    | Hog Island      | Y                  | Y           | 2                |
| JC-05-03  | James City    | Yorktown        | Y                  | Y           | 0                |
| JC-06-02  | James City    | Norge           | Y                  | Y           | 2                |
| JC-06-03  | James City    | Norge           | Y                  | Y           | 2                |
| JC-06-04  | James City    | Hog Island      | Y                  | N           | NA               |
| JC-06-05  | James City    | Hog Island      | Y                  | Y           | 2                |
| JC-07-01  | James City    | Norge           | Y                  | Y           | 2                |
| JC-07-02  | James City    | Surry           | Y                  | Y           | 2                |
| JC-07-03  | James City    | Yorktown        | Y                  | Y           | 1                |
| JC-96-02  | James City    | Norge           | Y                  | Y           | 1                |
| NK-01-04  | New Kent      | Walkers         | Y                  | Y           | 1                |
| NK-07-01  | New Kent      | Walkers         | Y                  | Y           | 1                |
| NK-07-02  | New Kent      | Walkers         | Y                  | Y           | 1                |
| NN-02-01  | Newport News  | Mulberry Island | Y                  | Y           | 2                |
| NN-02-02  | Newport News  | Newpt News N.   | Y                  | Y           | 2                |

**Appendix IV: -continued-**

| Nest Code | County          | Topo Quad       | Occupied Territory | Active Nest | Chick Production |
|-----------|-----------------|-----------------|--------------------|-------------|------------------|
| NN-06-01  | Newport News    | Yorktown        | Y                  | Y           | 2                |
| NN-07-01  | Newport News    | Mulberry Island | Y                  | Y           | 0                |
| PB-04-01  | Petersburg City | Prince George   | Y                  | Y           | 2                |
| PG-00-02  | Prince George   | Savedge         | Y                  | Y           | 2                |
| PG-00-03  | Prince George   | Charles City    | Y                  | Y           | 1                |
| PG-01-02  | Prince George   | Savedge         | Y                  | Y           | 1                |
| PG-05-01  | Prince George   | Claremont       | Y                  | Y           | 2                |
| PG-05-03  | Prince George   | Hopewell        | Y                  | Y           | 0                |
| PG-06-01  | Prince George   | Brandon         | Y                  | Y           | 3                |
| PG-06-02  | Prince George   | Charles City    | Y                  | Y           | 3                |
| PG-06-03  | Prince George   | Westover        | Y                  | Y           | 1                |
| PG-06-04  | Prince George   | Westover        | Y                  | Y           | 1                |
| PG-06-06  | Prince George   | Westover        | Y                  | Y           | 1                |
| PG-07-01  | Prince George   | Savedge         | Y                  | Y           | 0                |
| PG-07-02  | Prince George   | Charles City    | Y                  | Y           | 2                |
| PG-07-03  | Prince George   | Charles City    | Y                  | N           | NA               |
| PG-07-04  | Prince George   | Westover        | Y                  | Y           | 1                |
| PG-07-05  | Prince George   | Hopewell        | Y                  | Y           | 2                |
| PG-89-01  | Prince George   | Charles City    | Y                  | Y           | 2                |
| PG-91-01  | Prince George   | Charles City    | Y                  | Y           | 0                |
| PG-92-01  | Prince George   | Westover        | Y                  | Y           | 3                |
| PG-94-01  | Prince George   | Westover        | Y                  | Y           | 2                |
| PG-94-02  | Prince George   | Westover        | Y                  | Y           | 3                |
| PO-98-01  | Powhatan        | Midlothian      | Y                  | Y           | 1                |
| RM-01-01  | Richmond City   | Bonair          | Y                  | Y           | 1                |
| SK-02-02  | Suffolk City    | Chuckatuck      | Y                  | Y           | 1                |
| SK-03-01  | Suffolk City    | Windsor         | Y                  | Y           | 3                |
| SK-04-01  | Suffolk City    | Newpt News S.   | Y                  | Y           | 2                |
| SK-06-01  | Suffolk City    | Chuckatuck      | Y                  | Y           | 2                |
| SK-91-01  | Suffolk City    | Chuckatuck      | Y                  | Y           | 0                |
| SU-03-02  | Surry           | Hog Island      | Y                  | Y           | 2                |
| SU-03-03  | Surry           | Claremont       | Y                  | Y           | 3                |
| SU-03-04  | Surry           | Claremont       | Y                  | Y           | 2                |
| SU-04-01  | Surry           | Hog Island      | Y                  | Y           | 0                |
| SU-04-02  | Surry           | Hog Island      | Y                  | N           | NA               |
| SU-04-03  | Surry           | Hog Island      | Y                  | Y           | 3                |
| SU-04-04  | Surry           | Surry           | Y                  | Y           | 2                |
| SU-04-06  | Surry           | Surry           | Y                  | Y           | 2                |
| SU-04-08  | Surry           | Claremont       | Y                  | Y           | 3                |
| SU-04-09  | Surry           | Savedge         | Y                  | Y           | 2                |

**Appendix IV:** -continued-

| Nest Code | County | Topo Quad  | Occupied Territory | Active Nest | Chick Production |
|-----------|--------|------------|--------------------|-------------|------------------|
| SU-05-01  | Surry  | Hog Island | Y                  | Y           | 3                |
| SU-05-02  | Surry  | Surry      | Y                  | Y           | 2                |
| SU-05-03  | Surry  | Hog Island | Y                  | Y           | 3                |
| SU-05-04  | Surry  | Surry      | Y                  | N           | NA               |
| SU-06-01  | Surry  | Surry      | Y                  | Y           | 2                |
| SU-06-02  | Surry  | Saveedge   | Y                  | Y           | 0                |
| SU-07-01  | Surry  | Hog Island | Y                  | Y           | 2                |
| SU-07-02  | Surry  | Surry      | Y                  | Y           | 2                |
| SU-07-03  | Surry  | Saveedge   | Y                  | Y           | 0                |
| SU-97-04  | Surry  | Surry      | Y                  | Y           | 2                |

**Appendix V:** Summary of 2007 Bald Eagle survey results for the Bay fringe of the western shore. See methods section for definition of "occupied territory" and "active nest".

| Nest Code | County         | Topo Quad        | Occupied Territory | Active Nest | Chick Production |
|-----------|----------------|------------------|--------------------|-------------|------------------|
| GL-02-01  | Gloucester     | Saluda           | Y                  | Y           | 2                |
| HM-04-01  | Hampton City   | Hampton          | Y                  | Y           | 2                |
| HM-07-01  | Hampton City   | Hampton          | Y                  | Y           | 2                |
| HM-07-02  | Hampton City   | Hampton          | Y                  | Y           | 1                |
| KQ-02-02  | King and Queen | Church View      | Y                  | Y           | 2                |
| KQ-04-03  | King and Queen | Church View      | Y                  | Y           | 2                |
| MA-00-01  | Mathews        | Mathews          | Y                  | Y           | 2                |
| MA-01-01  | Mathews        | Ware Neck        | Y                  | N           | NA               |
| MA-01-02  | Mathews        | Mathews          | Y                  | Y           | 2                |
| MA-02-01  | Mathews        | New Point Comfrt | Y                  | Y           | 1                |
| MA-97-01  | Mathews        | Ware Neck        | Y                  | Y           | 2                |
| MI-02-06  | Middlesex      | Shacklefords     | Y                  | Y           | 2                |
| MI-04-01  | Middlesex      | Wilton           | Y                  | Y           | 2                |
| MI-85-01  | Middlesex      | Wilton           | Y                  | Y           | 2                |
| ND-01-01  | Northumberland | Fleets Bay       | Y                  | Y           | 2                |
| ND-02-05  | Northumberland | Reedville        | Y                  | Y           | 3                |
| ND-04-01  | Northumberland | Reedville        | Y                  | Y           | 2                |
| ND-05-02  | Northumberland | Reedville        | Y                  | Y           | 0                |
| ND-92-01  | Northumberland | Reedville        | Y                  | Y           | 0                |

**Appendix VI:** Summary of 2007 Bald Eagle survey results for the Eastern Shore. See methods section for definition of “occupied territory” and “active nest”.

| Nest Code | County      | Topo Quad       | Occupied Territory | Active Nest | Chick Production |
|-----------|-------------|-----------------|--------------------|-------------|------------------|
| AC-00-02  | Accomack    | Saxis           | Y                  | Y           | 2                |
| AC-02-02  | Accomack    | Hallwood        | Y                  | Y           | 2                |
| AC-03-02  | Accomack    | Bloxom          | Y                  | Y           | 1                |
| AC-03-03  | Accomack    | Chincoteague E. | Y                  | N           | NA               |
| AC-03-05  | Accomack    | Parksley        | Y                  | Y           | 2                |
| AC-03-08  | Accomack    | Accomac         | Y                  | Y           | 1                |
| AC-04-03  | Accomack    | Hallwood        | Y                  | Y           | 0                |
| AC-04-04  | Accomack    | Saxis           | Y                  | Y           | 3                |
| AC-04-05  | Accomack    | Parksley        | Y                  | Y           | 0                |
| AC-05-01  | Accomack    | Pungoteague     | Y                  | N           | NA               |
| AC-06-02  | Accomack    | Exmore          | Y                  | Y           | 1                |
| AC-06-03  | Accomack    | Bloxom          | Y                  | Y           | 1                |
| AC-06-05  | Accomack    | Tangier Island  | Y                  | Y           | 2                |
| AC-07-01  | Accomack    | Metomkin Inlet  | Y                  | Y           | 1                |
| AC-07-02  | Accomack    | Chincoteague E. | Y                  | Y           | 1                |
| AC-07-03  | Accomack    | Saxis           | Y                  | Y           | 0                |
| AC-07-04  | Accomack    | Saxis           | Y                  | Y           | 0                |
| AC-07-05  | Accomack    | Pungoteague     | Y                  | Y           | 2                |
| AC-07-06  | Accomack    | Pungoteague     | Y                  | Y           | 2                |
| AC-88-02  | Accomack    | Exmore          | Y                  | Y           | 1                |
| AC-91-02  | Accomack    | Jamesville      | Y                  | Y           | 1                |
| AC-93-03  | Accomack    | Parksley        | Y                  | Y           | 1                |
| AC-94-01  | Accomack    | Chincoteague W. | Y                  | Y           | 1                |
| AC-97-02  | Accomack    | Accomac         | Y                  | Y           | 1                |
| AC-97-03  | Accomack    | Chincoteague W. | Y                  | Y           | 0                |
| AC-98-02  | Accomack    | Pungoteague     | Y                  | Y           | 1                |
| AC-99-02  | Accomack    | Accomac         | Y                  | Y           | 0                |
| NT-00-01  | Northampton | Jamesville      | Y                  | Y           | 1                |
| NT-01-01  | Northampton | Cheriton        | Y                  | N           | NA               |
| NT-02-01  | Northampton | Cheriton        | Y                  | Y           | 1                |
| NT-02-02  | Northampton | Cheriton        | Y                  | Y           | 1                |
| NT-03-03  | Northampton | Jamesville      | Y                  | N           | NA               |
| NT-04-01  | Northampton | Exmore          | Y                  | Y           | 2                |
| NT-05-02  | Northampton | Cape Charles    | Y                  | Y           | 0                |
| NT-06-01  | Northampton | Cobb Island     | Y                  | Y           | 0                |
| NT-06-02  | Northampton | Elliotts Creek  | Y                  | Y           | 3                |
| NT-07-01  | Northampton | Townsend        | Y                  | N           | NA               |
| NT-07-02  | Northampton | Nassawaddox     | Y                  | Y           | 2                |

**Appendix VI:** -continued-

| <b>Nest Code</b> | <b>County</b> | <b>Topo Quad</b> | <b>Occupied Territory</b> | <b>Active Nest</b> | <b>Chick Production</b> |
|------------------|---------------|------------------|---------------------------|--------------------|-------------------------|
| NT-07-03         | Northampton   | Franktown        | Y                         | Y                  | 0                       |
| NT-07-04         | Northampton   | Franktown        | Y                         | Y                  | 2                       |
| NT-07-05         | Northampton   | Franktown        | Y                         | Y                  | 0                       |
| NT-94-03         | Northampton   | Townsend         | Y                         | Y                  | 2                       |
| NT-96-01         | Northampton   | Cheriton         | Y                         | Y                  | 1                       |
| NT-97-01         | Northampton   | Townsend         | Y                         | Y                  | 0                       |

**Appendix VII:** Summary of 2007 Bald Eagle survey results for lower Tidewater.  
See methods section for definition of “occupied territory” and “active nest”.

| Nest Code | County         | Topo Quad      | Occupied Territory | Active Nest | Chick Production |
|-----------|----------------|----------------|--------------------|-------------|------------------|
| CP-03-03  | Chesapeake     | Pleasant Ridge | Y                  | Y           | 3                |
| CP-04-01  | Chesapeake     | Deep Creek     | Y                  | Y           | 2                |
| CP-07-01  | Chesapeake     | Bowers Hill    | Y                  | Y           | 1                |
| NO-03-01  | Norfolk City   | Little Creek   | Y                  | Y           | 3                |
| SK-07-01  | Suffolk City   | Lake Drummond  | Y                  | Y           | 0                |
| VB-00-01  | Virginia Beach | North Bay      | Y                  | Y           | 2                |
| VB-02-01  | Virginia Beach | Cape Henry     | Y                  | Y           | 2                |
| VB-03-01  | Virginia Beach | Kempsville     | Y                  | N           | NA               |
| VB-05-01  | Virginia Beach | Knotts Island  | Y                  | Y           | 1                |
| VB-07-02  | Virginia Beach | Virginia Beach | Y                  | Y           | 2                |
| VB-97-01  | Virginia Beach | Kempsville     | Y                  | Y           | 2                |

**Appendix VIII:** Summary of 2007 Bald Eagle survey results for Inland areas.  
See methods section for definition of “occupied territory” and “active nest”.

| Nest Code | County        | Topo Quad         | Occupied Territory | Active Nest | Chick Production |
|-----------|---------------|-------------------|--------------------|-------------|------------------|
| AH-01-01  | Amherst       | Lynchburg         | Y                  | Y           | 2                |
| AL-98-01  | Albemarle     | Simeon            |                    |             | NC               |
| BA-06-01  | Bath          | Bath Alum         |                    |             | NC               |
| BA-93-01  | Bath          | Mountain Grove    |                    |             | NC               |
| BA-99-01  | Bath          | Sunrise           |                    |             | NC               |
| BE-03-01  | Bedford       | Lynchburg         | Y                  | N           | NA               |
| BU-07-01  | Buckingham    | Scottsville       | Y                  | Y           | unknown          |
| BU-07-02  | Buckingham    | Shipman           | Y                  | N           | NA               |
| CD-03-02  | Chesterfield  | Winterpock        | Y                  | Y           | 2                |
| CD-07-02  | Chesterfield  | Hallsboro         | Y                  | Y           | 0                |
| CL-04-01  | Clarke        | Ashby Gap         |                    |             | NC               |
| CL-04-02  | Clarke        | Ashby Gap         |                    |             | NC               |
| CU-04-01  | Culpepper     | Stratford Hall    |                    |             | NC               |
| CU-97-01  | Culpepper     | Rapidan           |                    |             | NC               |
| FQ-92-01  | Faquier       | Rectortown        |                    |             | NC               |
| GO-07-01  | Goochland     | Cartersville      | Y                  | Y           | 2                |
| HF-03-01  | Halifax       | Omega             | Y                  | Y           | 1                |
| HF-06-01  | Halifax       | Saxe              |                    |             | NC               |
| HF-98-01  | Halifax       | Buffalo Springs   | Y                  | N           | NA               |
| HI-06-01  | Highland      | Montery           | Y                  | Y           | 1                |
| HI-06-02  | Highland      | Montery           | Y                  | N           | NA               |
| LO-02-01  | Louisa        | Mineral           |                    |             | NC               |
| LO-05-01  | Louisa        | Leesburg          |                    |             | NC               |
| LO-06-01  | Louisa        | Lake Anna         |                    |             | NC               |
| LO-06-02  | Louisa        | Lake Anna         |                    |             | NC               |
| ME-00-02  | Mecklenburg   | Tungsten          | Y                  | Y           | 2                |
| ME-02-01  | Mecklenburg   | Bracey            | Y                  | Y           | 3                |
| ME-04-01  | Mecklenburg   | Tungsten          | Y                  | N           | NA               |
| ME-04-02  | Mecklenburg   | Boydtown          | Y                  | Y           | 0                |
| ME-05-01  | Mecklenburg   | Tungsten          | Y                  | Y           | 2                |
| ME-05-02  | Mecklenburg   | John H. Kerr      | Y                  | Y           | 1                |
| ME-07-01  | Mecklenburg   | John H. Kerr      | Y                  | Y           | 3                |
| ME-07-02  | Mecklenburg   | Clarksville North | Y                  | Y           | 2                |
| ME-07-03  | Mecklenburg   | Clarksville South | Y                  | Y           | 2                |
| NE-07-01  | Mecklenburg   | Howardsville      | Y                  | N           | NA               |
| NO-99-01  | Nottoway      | Danieltown        |                    |             | NC               |
| PA-03-01  | Page          | Rileyville        |                    |             | NC               |
| PE-96-01  | Prince Edward | Green Bay         | Y                  | Y           | 3                |

**Appendix VIII:** -continued-

| Nest Code | County         | Topo Quad       | Occupied Territory | Active Nest | Chick Production |
|-----------|----------------|-----------------|--------------------|-------------|------------------|
| PU-07-01  | Pulaski        | Radford South   | Y                  | Y           | unknown          |
| PV-03-01  | Pittsylvania   | Straightstone   |                    |             | NC               |
| PW-98-03  | Prince William | Thoroghfare Gap |                    |             | NC               |
| SH-02-01  | Shenandoah     | Strasburg       |                    |             | NC               |
| SO-01-01  | Southampton    | Riverdale       | Y                  | Y           | 3                |
| SO-06-01  | Southampton    | Courtland       | Y                  | Y           | 2                |
| SP-07-01  | Spotsylvania   | Lake Anna       | Y                  | Y           | unknown          |
| SS-02-01  | Sussex         | Waverly         | Y                  | Y           | 1                |
| SS-97-01  | Sussex         | Disputana South | Y                  | Y           | 0                |