

and beaver ponds resulted in overall breeding habitat conditions that were only fair. Warm spring temperatures arrived much earlier this year than the exceptionally late spring last year. However, a cold snap in early May could have hurt early-nesting species such as mallards and pintails, particularly in the northern Northwest Territories.

Habitat conditions in the eastern survey area ranged from excellent to fair. In the southern and western part of this survey area, water and nesting cover were plentiful and temperatures were mild this spring.

Habitat quality decreased to the north, especially in northern and western Quebec, where many shallow marshes and bogs were either completely dry or reduced to mudflats. Beaver-pond habitat was also noticeably less common than normal. To the east in Maine and most of the Maritime provinces, conditions were excellent, with adequate water, vegetation, and warm spring temperatures.

#### *Status of Teal*

Breeding population estimates for blue-winged teal from surveyed areas total 5.5 million blue-winged teal, which is above the 4.7 million needed to trigger the 16-day teal season in the Central and Mississippi Flyways, and the 3.3 million needed to trigger the 9-day teal season in the Atlantic Flyway.

#### *Sandhill Cranes*

The Mid-Continent Population of Sandhill Cranes has generally stabilized at comparatively high levels, following increases in the 1970s. The Central Platte River Valley, Nebraska, spring index for 2003, uncorrected for visibility, was 316,676 cranes. The most recent photo-corrected 3-year average (for 2000–2002) was 375,875, which is within the established population-objective range of 343,000–465,000 cranes. All Central Flyway States, except Nebraska, allowed crane hunting in portions of their respective States in 2002–03. About 8,800 hunters participated in these seasons, which was 10 percent higher than the number participating in the previous year. An estimated 16,650 cranes were harvested in the Central Flyway during 2001–02 seasons, which was 11% higher than the previous year's estimate. Retrieved harvests in the Pacific Flyway, Canada, and Mexico were estimated to be about 11,650 cranes for the 2002–03 period. The total North American sport harvest, including crippling losses, was estimated at 31,830, which is similar to the previous year's estimate. The long-term trend analysis for the Mid-

Continent Population during 1982–2000 indicates that harvests have been increasing at a higher rate than the trend in population growth over the same period.

The fall 2002 pre-migration survey estimate for the Rocky Mountain Population of sandhill cranes was 18,803, which was 12% higher than the previous year's estimate of 16,559. Limited special seasons were held during 2002 in portions of Arizona, Idaho, Montana, New Mexico, Utah, and Wyoming, resulting in a harvest of 639 cranes, which is 29% below the previous year's record high harvest of 898 cranes.

#### *Woodcock*

Singing-Ground and Wing-Collection Surveys were conducted to assess the population status of the American woodcock (*Scolopax minor*). Singing-Ground Survey data for 2003 indicate that the numbers of displaying woodcock in the Eastern and Central Regions were unchanged from 2002 ( $P>0.10$ ); although the point estimates of the trends were higher. Trends from the Singing-Ground Survey during 1993–2003 were  $-1.3$  and  $-1.6$  percent change per year for the Eastern and Central regions, respectively ( $P<0.05$ ). There were long-term (1968–03) declines ( $P<0.01$ ) of 2.3 percent per year in the Eastern Region and 1.8 percent per year in the Central Region.

The 2002 recruitment index for the Eastern Region (1.4 immatures per adult female) was similar to the 2001 index, but was 18 percent below the long-term average. The recruitment index for the Central Region (1.6 immatures per adult female) was 17 percent higher than the 2001 index of 1.3 immatures per female, and was similar to the long-term average. The index of daily hunting success in the Eastern Region increased slightly from 1.8 woodcock per successful hunt in 2001 to 1.9 in 2002, but seasonal hunting success declined from 6.9 woodcock per successful hunter in 2001 to 6.6 in 2002. In the Central Region, the daily success index was 2.1 woodcock per successful hunt in both 2001 and 2002; but seasonal hunting success increased from 10.0 woodcock per successful hunter in 2001 to 11.0 in 2002.

#### *Band-tailed Pigeons and Doves*

A significant decline in the Coastal population of band-tailed pigeons occurred during 1968–2002, as indicated by the Breeding Bird Survey (BBS); however, no trend was noted over the most recent 10 years. Additionally, mineral-site counts at 10 selected sites in Oregon indicate a

general increase over the most recent 10 years. Call-Count Surveys conducted in Washington showed a significant increase during 1998–02 and a nonsignificant increase during 1975–02. According to Harvest Information Program (HIP) surveys, approximately 9,600 pigeons were taken during the 2002–03 season. The Interior band-tailed pigeon population is stable with no trend indicated by the BBS over the short- or long-term periods. An estimated 3,700 birds were taken in 2002–03.

Analyses of Mourning Dove Call-Count Survey data over the most recent 10 years indicated no trend in doves heard in any Management Unit. Between 1966 and 2003, all 3 Units exhibited significant declines. In contrast, for doves seen over the 10-year period, a significant increase was found in the Eastern Unit while no trends were found in the Central and Western Units. Over 38 years, no trend was found for doves seen in the Eastern and Central Units while a decline was indicated for the Western Unit. HIP surveys indicated that about 22,700,000 mourning doves were bagged nationwide during the 2002–03 season.

In Arizona, the white-winged dove population has shown a significant decline between 1962 and 2003. However, the number of whitewings has been fairly stable since the 1970s and, over the most recent 10 years, there is no significant trend indicated. The 2002 harvest estimate from the HIP survey was 102,700. In Texas, the range and density of white-winged doves continue to expand. In 2003, the whitewing population in Texas was estimated to be 2,525,000 birds, an increase of 8.4 percent from 2002. A more inclusive count in San Antonio documented more than 1.3 million birds. HIP surveys indicated a harvest of 943,000 whitewings during the 2002–03 season. The expansion of whitewings northward and eastward from Texas has led to reports of nesting in Louisiana, Arkansas, Oklahoma, Kansas, and Missouri. They have been sighted in Colorado, Montana, Nebraska, Iowa, and Minnesota. Whitewings are believed to be expanding northward from Florida and have been seen in Georgia, the Carolinas, and Pennsylvania.

White-tipped doves are maintaining a relatively stable population in the Lower Rio Grande Valley of Texas. They are most abundant in cities and, for the most part, are not available to hunting. The 2003 survey averaged 0.95 birds per stop, a 2 percent decrease over the 2002 survey. During the special 4-day whitewing season, about 2,700