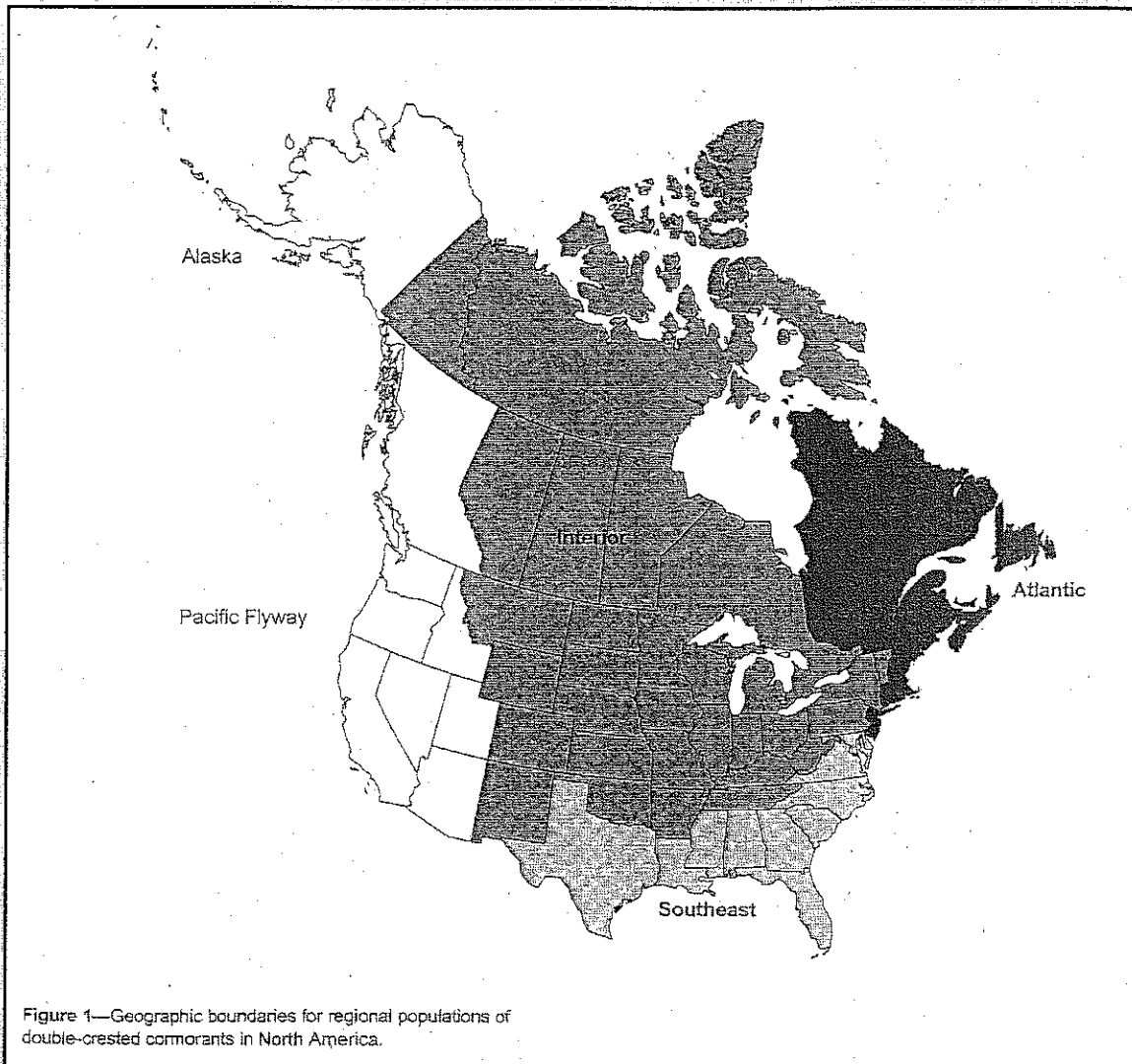
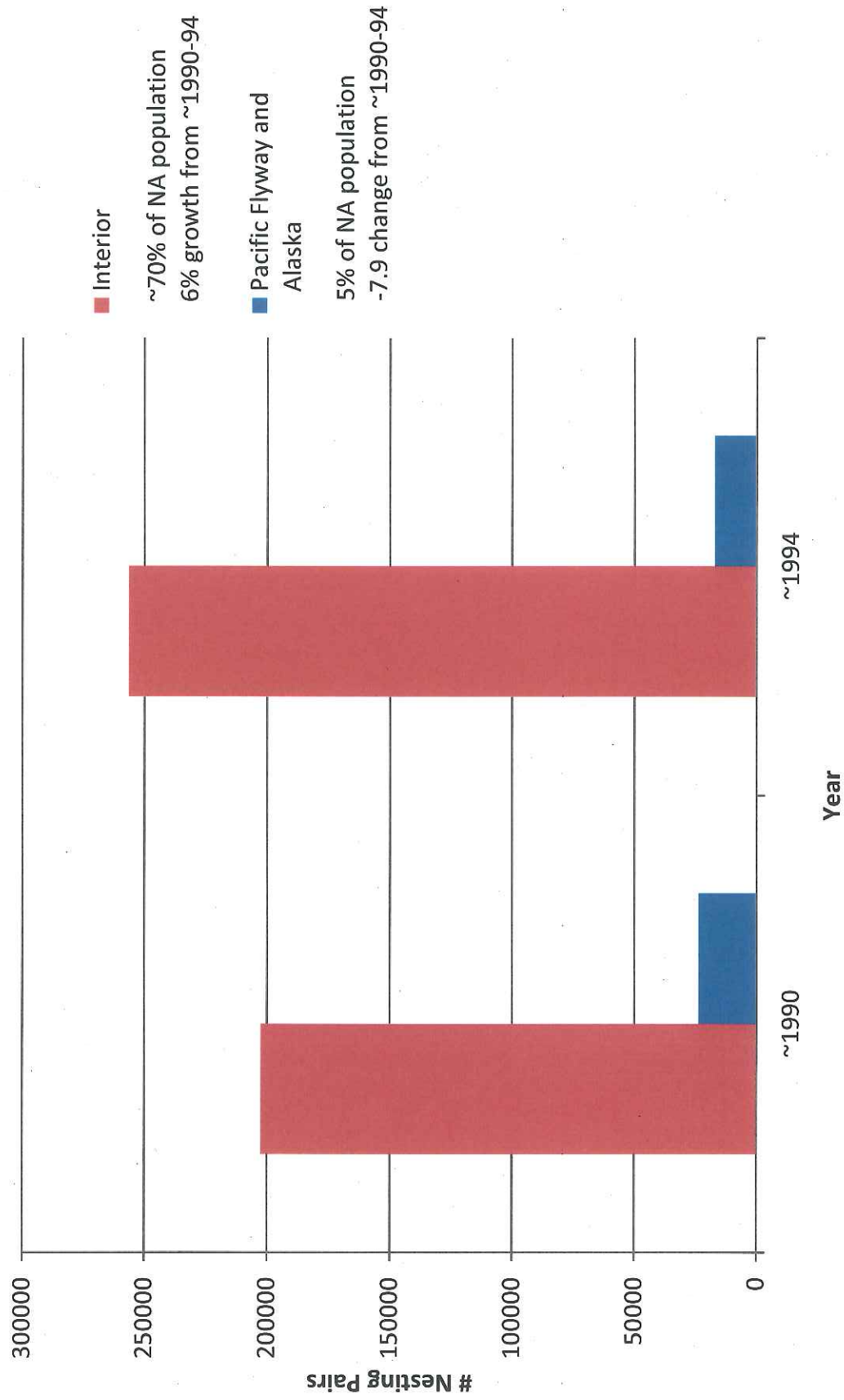


## Double-crested Cormorant populations in North America



**Figure 2. Double-crested Cormorant  
Population Estimates**



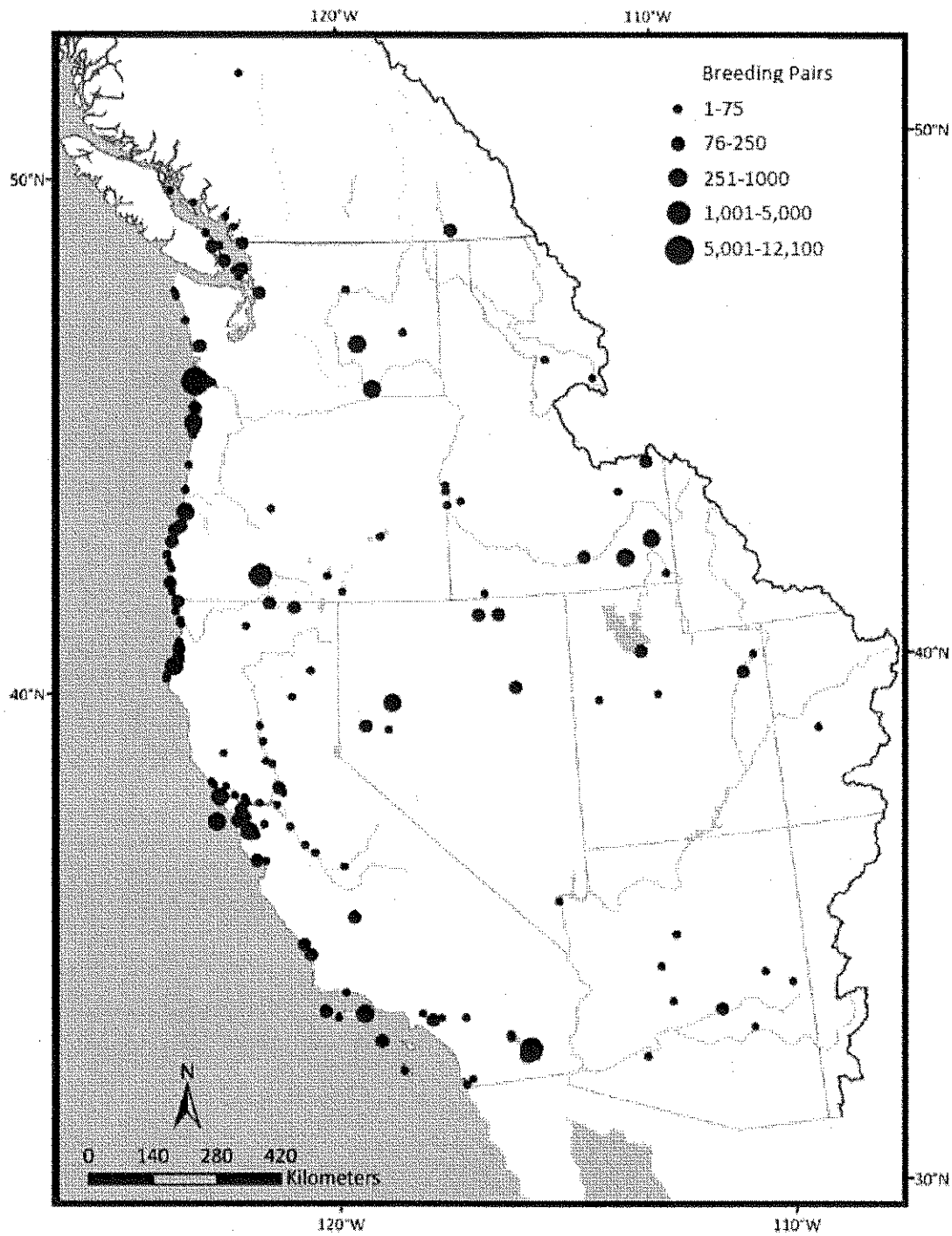
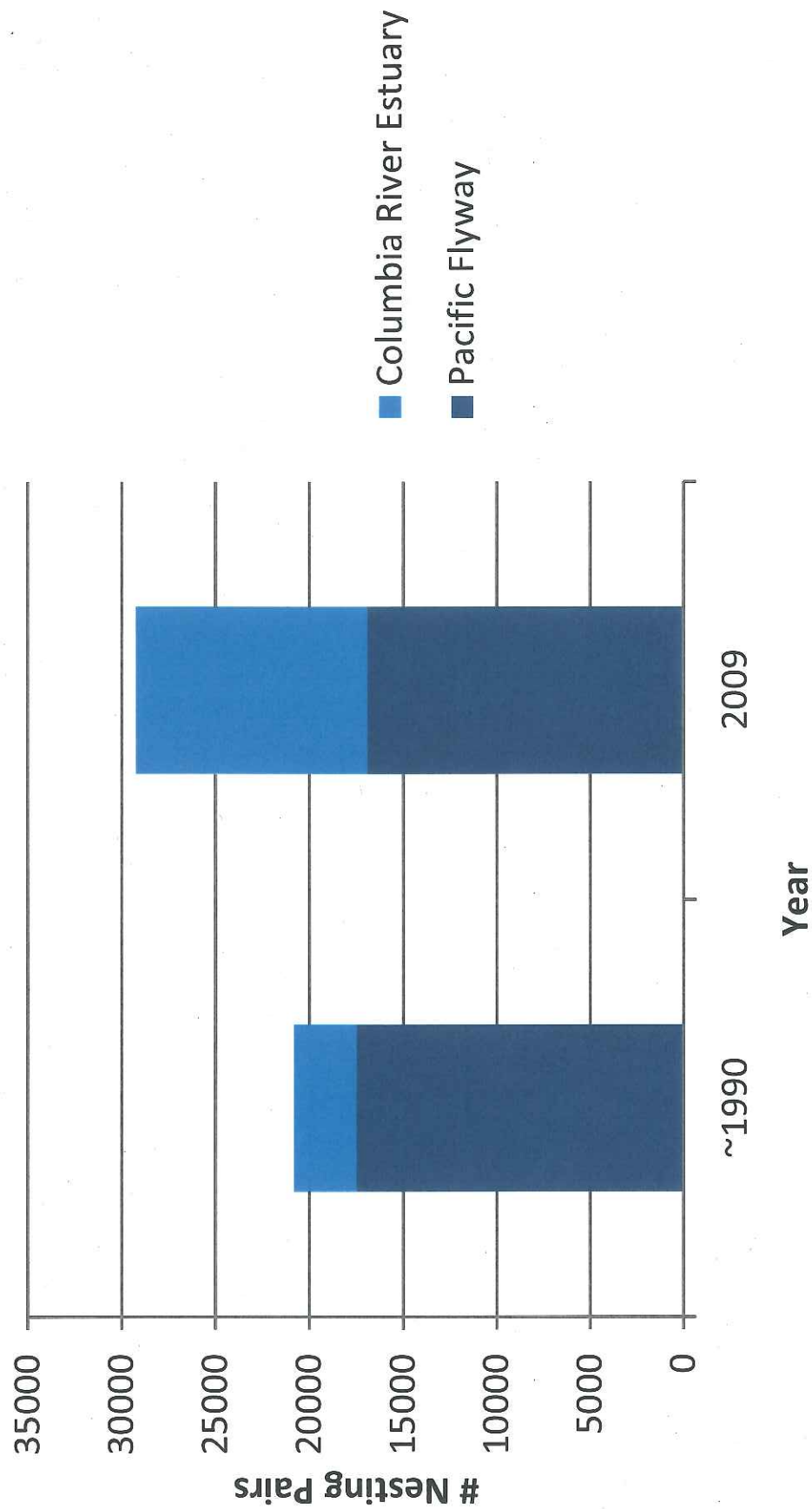
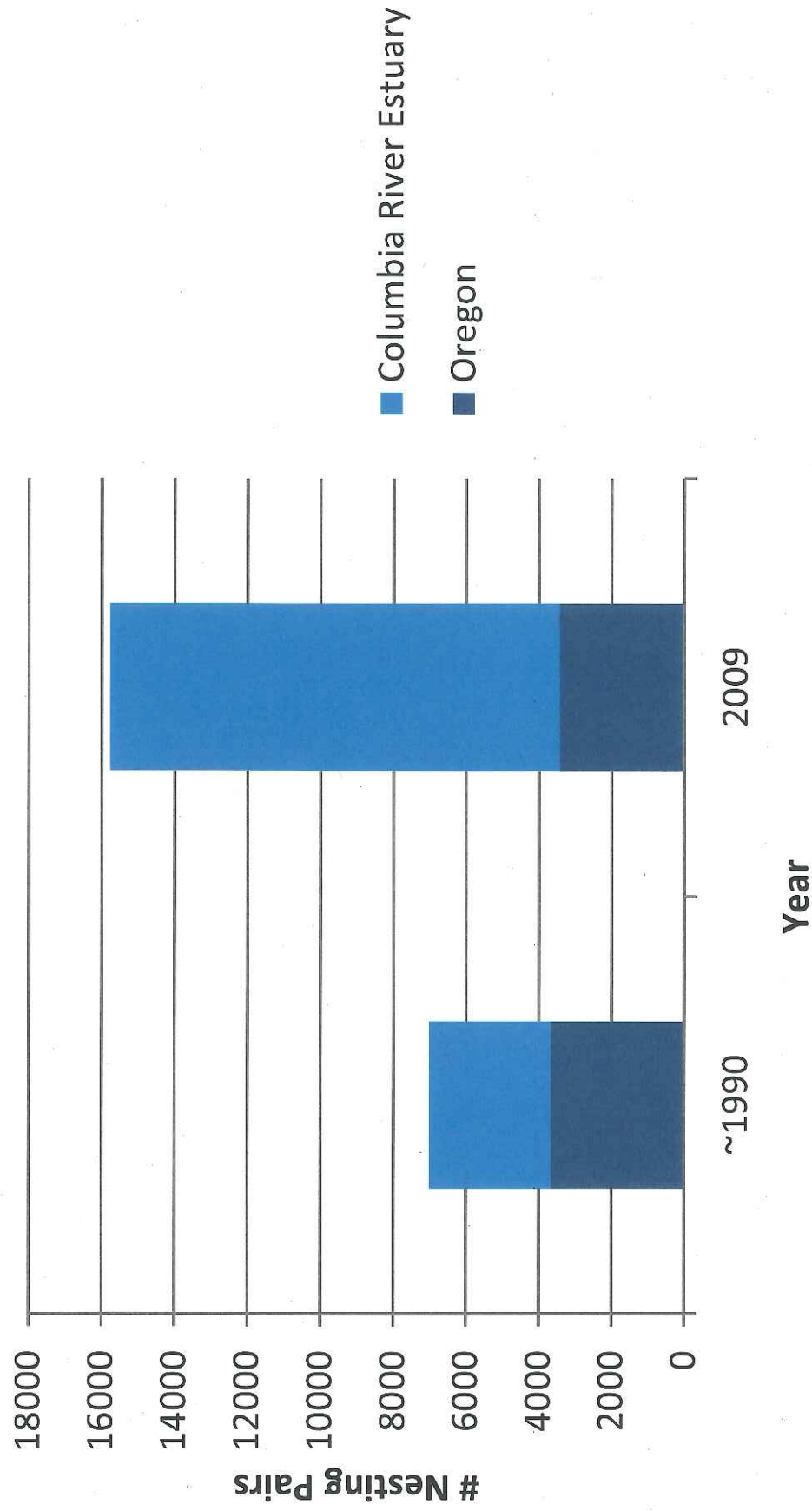


Figure 3. Distribution and relative size of double-crested cormorant breeding colonies in the Pacific Flyway at the time of most recent surveys (1998-2009).

**Figure 4. Double-crested Cormorant  
Population Estimates, Pacific Flyway**



**Figure 5. Double-crested Cormorant  
Oregon Population Estimates**





**U.S. Fish & Wildlife Service**

**Richard R. Hannan**  
Deputy Regional Director  
Pacific Region One

911 NE 11th Avenue  
Portland, OR 97232-4181

503/231 6122  
503/872 2716 Fax  
richard\_hannan@fws.gov