

93. COASTAL FRESHWATER MARSH**PANTANO COSTANERO DE AGUA DULCE****JOHN P. KELLY***Audubon Cypress Grove Preserve**P.O. Box 808**Marshall, California 94940*

Location: California; Marin Co.; Marshall; Livermore Marsh; 38°10'N, 122°53'W; Tomales Quadrangle, USGS. **Continuity:** Established 1988; 5 yr. **Size:** 10.5 ha. **Description of Plot:** See *J. Field Ornithol.* 60 (Suppl.):64 (1989). More recent detailed quantitative habitat data are available from the author. **Weather:** Mean start temp., 12.1°C (range 6–15°C). This was the sixth consecutive year of below-average winter rainfall and drought, but wet-season rainfall (62.9 cm) was near the 38-yr average of 71.9 cm. Source: Audubon Canyon Ranch. **Coverage:** 8.8 h; 8 visits (3 sunrise); 9, 17, 20, 23, 29 April; 8, 22, 27 May. **Census:** Tricolored Blackbird, 250.0 (952); Red-winged Blackbird, 25.0 (95); Cliff Swallow, 23.0 (88); Song Sparrow, 16.0 (61); Marsh Wren, 14.0 (53); American Coot, 6.0 (23); Mourning Dove, 4.0 (15); Mallard, 3.0 (11); Pied-billed Grebe, 2.0; Ruddy Duck, 2.0; Allen's Hummingbird, 2.0; Common Yellowthroat, 2.0; Cinnamon Teal, 1.0; Virginia Rail, 1.0; Swainson's Thrush, 1.0; Wrentit, 1.0; Black-headed Grosbeak, 1.0; California Towhee, 1.0; Brown-headed Cowbird, 1.0; House Finch, 1.0; American Goldfinch, 1.0; Northern Harrier, 0.5. **Total:** 22 species; 358.5 territories (1366/40 ha). **Visitors:** Green-backed Heron, Black-crowned Night-Heron, Northern Shoveler, American Wigeon, Ring-necked Duck, Bufflehead, Anna's Hummingbird, Belted Kingfisher, Black Phoebe, Tree Swallow, Barn Swallow, Common Raven, Chestnut-backed Chickadee, Bushtit, Bewick's Wren, American Robin, European Starling, Orange-crowned Warbler, Yellow-rumped (Myrtle) Warbler, Golden-crowned Sparrow, White-crowned Sparrow, Northern Oriole, Pine Siskin. **Remarks:** The Allen's Hummingbird territories were all males. Tricolored Blackbirds arrived 26 May and most initial nesting attempts were completed by 23 June. One of the Common Yellowthroat territories failed. **Acknowledgments:** This project is supported by Chevron USA and Audubon Canyon Ranch, Stinson Beach, CA, as part of a larger restoration and management program. I thank Susan Kelly for help in summarizing the results.