

## BREEDING BIRD CENSUS: 2005

### 1. MIXED HARDWOOD POLETIMBER BOSQUE MIXTO MADERERO

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P.O. Box 368  
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**Site Number:** CT1265009. **Location:** Connecticut; Litchfield Co.; Litchfield; White Memorial Foundation–Wheeler Hill; 41°42'N, 73°13'W; Litchfield Quadrangle, USGS. **Continuity:** Established 1965; 39 yr. **Size:** 8.5 ha. **Description of Plot:** See *Aud. Field Notes* 19:609–610 (1965), *J. Field Ornithol.* 64(Suppl.):36 (1993), and *Bird Populations* 8:125 (2007). Succession is continuing. **Weather:** Mean start temp., 19.6°C (range 9–26°C). May's mean temperature was 11.3°C, which is far below average. Mean temperatures in June (20.3°C) and July (21.7°C) were about average. Only two days during this period saw temperatures exceed 32.2°C, while nighttime lows in May dipped below 0°C six times. Rain fell on 17 d in May totaling 11.9 cm (slightly above normal), and in June on 11 d totaling 7.7 cm. This is about 3 cm below normal. During July, rain on 15 d totaled 15.0 cm (2 cm above average). Source: White Memorial's own weather station. **Coverage:** 19.0 h; 10 visits (0 sunrise, 5 sunset); 3, 10, 17, 29 May; 7, 18, 30 June; 12, 21, 28 July; 2005. **Census:** Red-eyed Vireo, 13.5 (64; 1N,12FL); Ovenbird, 13.0 (61; 1N,10FL); Veery, 12.5 (59; 1N,8FL); Gray Catbird, 11.5 (54; 1N,20FL); American Redstart, 11.0 (52; 1N,15FL); Eastern Towhee, 7.0 (33; 12FL); Wood Thrush, 5.0 (24; 6FL); Common Yellowthroat, 4.5 (21; 5FL); Chestnut-sided Warbler, 4.0 (19; 1N,3FL); Black-capped Chickadee, 3.0 (14; 1N,10FL); Tufted Titmouse, 3.0 (12FL); American Robin, 3.0 (1N,7FL); Yellow Warbler, 3.0 (1N,6FL); Northern Cardinal, 3.0 (2N,9FL); Black-and-white Warbler, 2.5 (2FL); Scarlet Tanager, 2.5 (2FL); American Crow, 2.0 (2N,8FL); Baltimore Oriole, 2.0 (1N,3FL); American Goldfinch, 2.0 (3FL); Mourning Dove, 1.5 (2FL); Downy Woodpecker, 1.5 (1N,3FL); Blue Jay, 1.5 (3FL); White-breasted Nuthatch, 1.5 (5FL); Wild Turkey, 1.0 (4FL); Eastern Wood-Pewee, 1.0; Blue-gray Gnatcatcher, 1.0; Song Sparrow, 1.0 (1N,4FL); Rose-breasted Grosbeak, 1.0; Red-bellied Woodpecker, 0.5; Yellow-bellied Sapsucker, 0.5 (1N,3FL); Hairy Woodpecker, 0.5; Northern Flicker,

0.5; Eastern Phoebe, 0.5 (1N); House Wren, 0.5 (1N,6FL); European Starling, 0.5 (1N,6FL); Cedar Waxwing, 0.5 (3FL); Chipping Sparrow, 0.5 (4FL); Brown-headed Cowbird, 0.5; House Finch, 0.5 (3FL); Broad-winged Hawk, +; Red-tailed Hawk, +; Barred Owl, +; Ruby-throated Hummingbird, +; Great Crested Flycatcher, +; Warbling Vireo, +; Fish Crow, + (2FL); Carolina Wren, +; Hermit Thrush, +; Blue-winged Warbler, +; Magnolia Warbler, +; Purple Finch, +. **Total:** 51 species; 124.5 territories (586/40 ha). **Visitors:** Black-billed Cuckoo, Yellow-throated Vireo. **Remarks:** The number of breeding species increased to a record-high 51 this year topping the previous high of 50 recorded in 2002 and 2003. Last year, 47 species were documented on plot. The 10-yr average is 43 species. Seven species were found this year that weren't last year (Broad-winged Hawk, Yellow-bellied Sapsucker, Hairy Woodpecker, Ruby-throated Hummingbird, Fish Crow, European Starling, and Chipping Sparrow). Species found last year but not documented this year were Eastern Kingbird, Black-throated Green Warbler, and Golden-crowned Kinglet. The total number of territories this year decreased to 124.5 from last year's 138.0, but remains above the 10-yr average of 109 territories. Red-eyed Vireo declined by 3.0 territories but remained the most abundant species. Ovenbird moved up to the number two spot with an unchanged population from last year, while Veery dropped to number three due to a decrease of 1.0 territory. Gray Catbird remained the fourth most abundant species even though it declined by 0.5 territories. American Redstart increased by 2.0 territories. **Other Observers:** John Eykelhoff, John Grabowski, Marie Kennedy, and Olaf Soltau.

### 2. SECOND-GROWTH HARDWOOD FOREST BOSQUE SECUNDARIO DE MADERAS DURAS

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**Site Number:** CT2765006. **Location:** Connecticut; Litchfield Co.; Morris; White Memorial Foundation–Van Winkle Road; 41°42'N, 73°12'W; Litchfield Quadrangle, USGS. **Continuity:** Established

1965; 39 yr. **Size:** 10.1 ha. **Description of Plot:** See *Aud. Field Notes* 19:590–591 (1965), *J. Field Ornithol.* 64(Suppl.):37–38 (1993), and *Bird Populations* 8:126 (2007). **Weather:** Mean start temp., 21.2°C (range 13–27°C). May's mean temperature 11.3°C was far below average. Mean temperatures in June (20.3°C) and July (21.7°C) were about average. Only two days had temperatures exceed 32.2°C, while nighttime lows went below 0°C six times in May. Rain fell on 17 d in May totaling 11.9 cm (slightly above normal), 11 d in June totaling 7.7 cm (about 3 cm below normal), and 15 d in July totaling 15.0 cm (about 2 cm above normal). Source: White Memorial's own weather station. **Coverage:** 15.0 h; 10 visits (0 sunrise, 8 sunset); 10, 21 May; 2, 9, 17, 28 June; 5, 14, 25, 31 July; 2005. **Census:** Ovenbird, 12.0 (48; 1N,7FL); Veery, 11.0 (44; 8FL); Red-eyed Vireo, 10.5 (42; 4FL); Scarlet Tanager, 3.5 (14; 4FL); Wood Thrush, 3.0 (12; 2FL); American Robin, 2.5 (2N,7FL); Yellow-bellied Sapsucker, 2.0; Eastern Wood-Pewee, 2.0 (2FL); Tufted Titmouse, 2.0 (4FL); Gray Catbird, 2.0 (1N,6FL); Black-and-white Warbler, 1.5; American Redstart, 1.5 (3FL); Wild Turkey, 1.0 (3FL); Red-bellied Woodpecker, 1.0; Downy Woodpecker, 1.0 (1N,5FL); Hairy Woodpecker, 1.0; American Crow, 1.0 (3FL); Black-capped Chickadee, 1.0 (4FL); White-breasted Nuthatch, 1.0 (1N,4FL); Common Yellowthroat, 1.0; Chipping Sparrow, 1.0 (3FL); American Goldfinch, 1.0; Red-tailed Hawk, 0.5; Pileated Woodpecker, 0.5; Eastern Phoebe, 0.5; Blue Jay, 0.5; Blue-gray Gnatcatcher, 0.5; Hermit Thrush, 0.5; Song Sparrow, 0.5 (3FL); Northern Cardinal, 0.5; Baltimore Oriole, 0.5 (1N); Mourning Dove, +; Great Crested Flycatcher, +; Brown Creeper, +; Cedar Waxwing, +; Chestnut-sided Warbler, +; Eastern Towhee, +; Brown-headed Cowbird, +. **Total:** 38 species; 68.0 territories (269/40 ha). **Visitors:** Barred Owl, Northern Flicker, Black-throated Green Warbler, Rose-breasted Grosbeak. **Remarks:** The number of species breeding in the plot dropped to 38 this year; four less than average and four less than last year. Species not detected this year included Broad-winged Hawk, Eastern Kingbird, Yellow-throated Vireo, Pine Warbler, and Louisiana Waterthrush. Species found this year but not last year included Pileated Woodpecker, Brown Creeper, Hermit Thrush, and Song Sparrow. The number of territories continued to decline from 99.5 in 2003, 77.5 in 2004, and only 68.0 this year. The plot average is 97.0 territories. Two possible contributing factors in this years decline and the decline overall were the cold, wet weather in May (which may have caused many early nest failures and reduced the availability of insects as prey items) and nearby road reconstruction along the southern end of the plot. Red-eyed Vireo was replaced by Ovenbird as the most abundant species in the plot; Veery remained the second most abundant. **Other Observers:** Candace

Kalmick, Marie Kennedy, and Ed Yescott. **Acknowledgments:** Marie Kennedy was very helpful in compiling this report.

### 3. MIXED UPLAND BROADLEAF FOREST

BOSQUE MIXTO DE HOJA ANCHA DE ALTURAS

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**Site Number:** DC1060009. **Location:** District of Columbia; Washington; Glover-Archbold Park; 38°55'N, 77°5'W; Washington West Quadrangle, USGS. **Continuity:** Established 1959; 47 yr. **Size:** 14.2 ha. **Description of Plot:** See *Aud. Field Notes* 14:502–503 (1960). Two areas adjacent to the plot are slated for some degree of development. It has not yet happened, but it is imminent. **Weather:** Mean start temp., 11.9°C (range 4–27°C). Eleven days were clear, five were partly cloudy, and three were cloudy. **Coverage:** 35.0 h; 19 visits (17 sunrise); 6, 12, 16(2), 19, 21, 24, 29 April; 1, 5, 8, 12, 15, 17(2), 22, 26, 28 May; 21 July; 2005. **Census:** Northern Cardinal, 13.0 (37; 1FL); Red-bellied Woodpecker, 12.0 (34); Carolina Wren, 12.0; Red-eyed Vireo, 9.0 (25); Gray Catbird, 9.0; Veery, 6.0 (17); Tufted Titmouse, 5.0 (14); Downy Woodpecker, 4.0 (11; 2FL); Northern Flicker, 4.0; Acadian Flycatcher, 4.0; Song Sparrow, 3.5 (10); American Crow, 3.0 (8); White-breasted Nuthatch, 3.0; House Wren, 3.0; Eastern Towhee, 3.0; Common Grackle, 2.5; Mourning Dove, 2.0; Eastern Wood-Pewee, 2.0; Blue-gray Gnatcatcher, 2.0; Wood Thrush, 2.0; House Finch, 2.0; House Sparrow, 2.0 (1N); Chimney Swift, 1.0; Hairy Woodpecker, 1.0; Blue Jay, 1.0; Carolina Chickadee, 1.0; American Robin, 1.0; European Starling, 1.0. **Total:** 28 species; 114.0 territories (321/40 ha). **Visitors:** Canada Goose, Green Heron, Turkey Vulture, Red-shouldered Hawk, Broad-winged Hawk, Yellow-billed Cuckoo, Ruby-throated Hummingbird, Pileated Woodpecker, Great Crested Flycatcher, White-eyed Vireo, Yellow-throated Vireo, Fish Crow, Northern Mockingbird, Brown Thrasher, Northern Parula, Black-and-white Warbler, American Redstart, Ovenbird, Louisiana Waterthrush, Common Yellowthroat, Scarlet Tanager, Indigo Bunting, Brown-headed Cowbird, Baltimore Oriole, American Goldfinch. **Remarks:** Species richness was higher, with more territories (114.0 vs. 94.0) and more individual birds seen on average compared to 2004. Tufted Titmouse numbers appear to be recovering, as are Carolina Chickadee and crow numbers to a lesser extent, after the recent crash in population. The Red-shouldered Hawks are still nesting further north, near the community gardens. Diversity among avian visitors was higher compared to 2004. **Other Observers:** Neal Fitzpatrick.

#### 4. RED OAK-IRONWOOD SAVANNAH SAVANA DE ROBLE ROJO-PALO DE HIERRO

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**Location:** Ontario; Municipality of Haldimand-Norfolk; Port Rowan; Long Point Company-Courtright Ridge; 42°34'N, 80°17'W; Big Rice Bay Quadrangle, DEMR. **Continuity:** Established 1979; 7 yr. **Size:** 12.0 ha. **Description of Plot:** See *Am. Birds* 34:65 (1980), *J. Field Ornithol.* 63(Suppl.):56-57 (1992) and 64(Suppl.):52-53 (1993). **Weather:** Mean start temp., 15.8°C (range 10-26°C). Wind brought down 15 trees. **Coverage:** 34.5 h; 10 visits (9 sunrise, 1 sunset); 2, 5, 7, 8, 9, 11, 13, 16, 18, 20 June; 2005. **Census:** Yellow Warbler, 18.0 (60; 1N); Red-winged Blackbird, 14.5 (48; 1N); House Wren, 12.5 (42; 2N); Song Sparrow, 10.5 (35; 2FL); Eastern Wood-Pewee, 10.0 (33); Common Yellowthroat, 9.0 (30); Warbling Vireo, 5.0 (17); Red-eyed Vireo, 5.0; American Robin, 5.0 (6FL); Gray Catbird, 5.0; Tree Swallow, 4.5 (15; 3N); Eastern Kingbird, 4.0 (13); Baltimore Oriole, 4.0; Mourning Dove, 3.0 (10); Downy Woodpecker, 3.0; European Starling, 3.0 (1N); Brown-headed Cowbird, 3.0; Great Crested Flycatcher, 2.5; American Woodcock, 2.0; Black-capped Chickadee, 2.0; Indigo Bunting, 2.0; Common Grackle, 2.0; Northern Flicker, 1.0 (1N); Willow Flycatcher, 1.0; Blue Jay, 1.0; Blue-gray Gnatcatcher, 1.0; American Redstart, 1.0; Northern Cardinal, 1.0; American Goldfinch, 1.0; Red-bellied Woodpecker, 0.5. **Total:** 30 species; 137.0 territories (457/40 ha). **Visitors:** Canada Goose, Wood Duck, Yellow-billed Cuckoo, Ruby-throated Hummingbird, Red-headed Woodpecker, American Crow, Marsh Wren, Cedar Waxwing, Scarlet Tanager, Swamp Sparrow, Orchard Oriole, House Finch. **Remarks:** This study is part of a long-term project designed to monitor the response of vegetation and breeding bird communities to a reduction in deer browsing at Long Point, Lake Erie. **Other Observer:** Christian Friis. **Acknowledgments:** I thank Jon McCracken and Christian Friis for project supervision, Jane Bowles and Michael Bradstreet for measuring vegetation parameters, Stu Mackenzie for field assistance, and the Canadian Wildlife Service for financial support.

#### 5. RED OAK-SUGAR MAPLE SAVANNAH SAVANA DE ROBLE ROJO-ARCE DULCE

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**Location:** Ontario; Municipality of Haldimand-Norfolk; Port Rowan; Long Point National Wildlife

Area; 16.7 km from Long Point Lighthouse; 42°33'40"N, 80°15'W; Big Rice Bay Quadrangle, DEMR. **Continuity:** Established 1979; 6 yr. **Size:** 10.5 ha. **Description of plot:** See *Am. Birds* 34:51 (1980), *J. Field Ornithol.* 63(Suppl.):58-59 (1992) and 66(Suppl.):51-52 (1995). **Weather:** Mean start temp. 17.8°C (range 12-28°C). **Coverage:** 36.7 h; 10 visits (9 sunrise, 1 sunset); 1, 4, 6, 7, 10, 11, 14, 17, 19, 21 June; 2005. **Census:** House Wren, 18.5 (70; 1N); Yellow Warbler, 16.5 (63); Red-winged Blackbird, 12.0 (46; 3N,2FL); Eastern Wood-Pewee, 11.5 (44; 1N); Song Sparrow, 10.5 (40; 2FL); Baltimore Oriole, 8.5 (32; 1N); Gray Catbird, 8.0 (30); Common Yellowthroat, 7.5 (29); Tree Swallow, 7.0 (27; 2N); Warbling Vireo, 6.5 (25); Eastern Kingbird, 6.0 (23); Mourning Dove, 5.0 (19); Field Sparrow, 5.0; Brown-headed Cowbird, 5.0; Downy Woodpecker, 4.0 (15); Great Crested Flycatcher, 3.0 (11); Blue Jay, 3.0; Black-capped Chickadee, 3.0; American Robin, 3.0; Indigo Bunting, 3.0; Common Grackle, 3.0; Red-bellied Woodpecker, 2.0; European Starling, 2.0; Eastern Towhee, 2.0; Northern Cardinal, 2.0; Northern Flicker, 1.5; American Woodcock, 1.0; Yellow-billed Cuckoo, 1.0; Chimney Swift, 1.0; Blue-gray Gnatcatcher, 1.0; Wilson's Snipe, 0.5. **Total:** 31 species, 163.5 territories (623/40 ha). **Visitors:** Wood Duck, Ruby-throated Hummingbird, Red-headed Woodpecker, Red-eyed Vireo, White-breasted Nuthatch, Cedar Waxwing, Black-throated Green Warbler, Ovenbird, Orchard Oriole, American Goldfinch. **Remarks:** This study is part of a long-term project designed to monitor the response of vegetation and breeding bird communities to a reduction in deer browsing at Long Point, Lake Erie. **Other Observer:** Christian Friis. **Acknowledgments:** I thank Jon McCracken and Christian Friis for project supervision, Jane Bowles and Michael Bradstreet for measuring vegetation parameters, Stu Mackenzie for field assistance, and the Canadian Wildlife Service for financial support.

#### 6. OAK-MAPLE-POPLAR HOLLOW BOSQUE DE ROBLE-ARCE-ALAMO HUECO

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**Site Number:** PA1093123. **Location:** Pennsylvania; Berks Co.; Reading; Nolde Forest, Buck Hollow; 40°16'57"N, 75°57'30"W; Reading Quadrangle, USGS. **Continuity:** Established 1993; 13 yr. **Size:** 11.3 ha. **Description of Plot:** See *J. Field Ornithol.* 65(Suppl.):61 (1994). **Weather:** Mean start temp., 12.0°C (range 4-24°C). Precipitation was significantly below normal for May 2005. Normal May temperatures: mean 16.07°C, minimum 11.1°C, maximum 22.2°C. **Coverage:** 17.7 h; 10 visits (8 sunrise, 2 sunset); 26

April; 2, 8, 9, 11, 15, 18, 22, 23 May; 3 June; 2005. **Census:** Wood Thrush, 5.0 (18); Ovenbird, 5.0; Veery, 2.5; Northern Cardinal, 2.5; Red-bellied Woodpecker, 1.0; Pileated Woodpecker, 1.0; Blue Jay, 1.0; American Crow, 1.0; Tufted Titmouse, 1.0. **Total:** 9 species; 20.0 territories (71/40 ha). **Visitors:** Mourning Dove, Downy Woodpecker, Northern Flicker, Eastern Wood-pewee, Great Crested Flycatcher, White-breasted Nuthatch, American Robin, Gray Catbird, Scarlet Tanager, Chipping Sparrow, Rose-breasted Grosbeak, American Goldfinch. **Other Observers:** Lynn Scheirer, Patricia Mangas, Phyllis Reynolds, David Reynolds, Keith Lutz, and Kevin Lutz.

**7. VIRGIN HARDWOOD SWAMP FOREST**  
BOSQUE PANTANOSO VIRGEN DE MADERAS  
DURAS

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**Location:** South Carolina; Berkeley Co.; Harleyville; Francis Beidler Forest Sanctuary; 33°13'N, 80°20'W; Pringletown Quadrangle, USGS. **Continuity:** Established 1979; 14 yr. **Size:** 8.9 ha. **Description of Plot:** See *Am. Birds* 34:50 (1980) and *J. Field Ornithol.* 65(Suppl.):64 (1994). The plot is continuing to recover from the damage caused by hurricane Hugo in 1989. Scrubby areas have thinned greatly as saplings have increased in height and shaded the forest floor. **Weather:** Mean start temp., 14.6°C (range 2–18°C). April was a fairly wet month. May was drier than average. Temperatures were cooler than normal. **Coverage:** 11.4 h; 9 visits (9 sunrise, 0 sunset); 17, 30 April; 1, 10, 13, 14, 22, 27, 28 May; 2005. **Census:** Blue-gray Gnatcatcher, 26.0 (117); Red-eyed Vireo, 8.5 (38); Tufted Titmouse, 7.5 (34); Northern Cardinal, 7.0 (31); Red-bellied Woodpecker, 4.5 (20); Carolina Wren, 4.5; Northern Parula, 4.5; Acadian Flycatcher, 4.0 (18); White-eyed Vireo, 4.0; Prothonotary Warbler, 4.0; Yellow-billed Cuckoo, 2.0; Pileated Woodpecker, 2.0; Great Crested Flycatcher, 2.0; Hooded Warbler, 2.0; Downy Woodpecker, 1.0; Carolina Chickadee, 1.0; White-breasted Nuthatch, 1.0; Yellow-throated Warbler, 1.0; Swainson's Warbler, 1.0. **Total:** 19 species; 87.5 territories (393/40 ha). **Visitors:** White Ibis, Red-shouldered Hawk, Barred Owl, Chimney Swift, Red-headed Woodpecker, Yellow-throated Vireo, Blue Jay, American Crow, Wood Thrush, Gray Catbird, Black-throated Blue Warbler, Kentucky Warbler, Common Yellowthroat, Summer Tanager, Brown-headed Cowbird. **Other Observer:** Norman Brunswig.

**8. MATURE MAPLE-BEECH-BIRCH FOREST**  
BOSQUE MADURO DE ARCE-HAYA-ABEDUL

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\*Cherokee National Forest  
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**Site Number:** TN2392102. **Location:** Tennessee; Monroe Co.; Whigg Ridge, Cherokee National Forest; 35°19'36"N, 84°2'30"W; Big Junction Quadrangle, USGS. **Continuity:** Established 1992; 13 yr. **Size:** 10.2 ha. **Description of Plot:** See *J. Field Ornithol.* 64(Suppl.):57–58 (1993) and 66(Suppl.):63 (1995). **Weather:** Mean start temp., 17.6°C (range 2–30°C). The visits on 20 June and 21 June followed heavy rains; stream noise was considerable. **Coverage:** 21.2 h; 10 visits (5 sunrise, 5 sunset); 24, 25 May; 4, 5, 8, 9, 20, 21, 24, 25 June; 2005. **Census:** Veery, 16.0 (63; 2N); Blue-headed Vireo, 11.0 (43; 1FL); Ovenbird, 10.0 (39); Dark-eyed Junco, 8.5 (33; 5FL); Blackburnian Warbler, 3.5 (14); Black-throated Blue Warbler, 3.0 (12; 1N,1FL); Carolina Chickadee, 1.0; Tufted Titmouse, 1.0; Rose-breasted Grosbeak, 1.0. **Total:** 9 species; 55.0 territories (216/40 ha). **Visitors:** Ruffed Grouse, Hairy Woodpecker, Blue Jay, White-breasted Nuthatch, Winter Wren, American Robin, Cedar Waxwing, Chestnut-sided Warbler. **Remarks:** Flyovers: Chimney Swift. **Acknowledgments:** Logistical and financial support provided by the USDA Forest Service, Cherokee National Forest.

**9. TAMARACK SLOUGH**  
PANTANO DE LARICE AMERICANO

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**Location:** Ontario; Municipality of Haldimand-Norfolk; Port Rowan; Long Point National Wildlife Area; 42°33'N, 80°5'W; Gravelly Bay Quadrangle, DEMR. **Continuity:** Established 1973; 9 yr. **Size:** 8.8 ha. **Description of Plot:** See *Am. Birds* 28:1017–1018 (1974), *J. Field Ornithol.* 63(Suppl.):68–69 (1992) and 64(Suppl.):66–67 (1993). **Weather:** Mean start temp., 21.0°C (range 15–25°C). **Coverage:** 26.4 h; 8 visits (6 sunrise, 2 sunset); 5, 7, 8, 21, 24, 26, 28, 29 June; 2005. **Census:** Yellow Warbler, 35.0 (159;1N); Red-winged Blackbird, 17.0 (77; 1N,2FL); House Wren, 9.0 (41); Gray Catbird, 7.0 (32); Common Yellowthroat, 6.0 (27); Eastern Towhee, 4.0 (18); Chipping Sparrow, 4.0 (2FL); Common Grackle, 4.0 (1FL); Song Sparrow, 3.5 (16); Baltimore Oriole, 3.5 (2N,1FL); Eastern Kingbird, 3.0 (14); Tree Swallow, 3.0; Black-capped Chickadee, 3.0; Brown Thrasher, 3.0 (1N); Brown-headed Cowbird, 3.0; American Woodcock, 2.0; Mourning Dove, 2.0;

Yellow-billed Cuckoo, 2.0; Whip-poor-will, 2.0; Eastern Wood-Pewee, 2.0; Least Flycatcher, 2.0 (1N); Carolina Wren, 2.0; Blue-gray Gnatcatcher, 2.0; American Robin, 2.0; Cedar Waxwing, 2.0; Swamp Sparrow, 2.0; Virginia Rail, 1.0; Great Crested Flycatcher, 1.0; White-eyed Vireo, 1.0; Blue Jay, 1.0; Marsh Wren, 1.0; Chestnut-sided Warbler, 1.0; Field Sparrow, 1.0; American Goldfinch, 1.0. **Total:** 34 species; 138.0 territories; (627/40 ha) **Visitors:** Wood Duck, Pied-billed Grebe, American Bittern, Great Blue Heron, Green Heron, Wilson's Snipe, Black-billed Cuckoo, Belted Kingfisher, Willow Flycatcher, Warbling Vireo, Red-eyed Vireo, American Crow, Eastern Bluebird, European Starling, American Redstart, Ovenbird, Scarlet Tanager, Northern Cardinal, Indigo Bunting, House Finch. **Remarks:** This study is part of a long-term project designed to monitor the response of vegetation and breeding bird communities to a reduction in deer browsing at Long Point, Lake Erie. **Other Observer:** Silke Laucht. **Acknowledgments:** I thank Jon McCracken for project supervision, Jane Bowles and Michael Bradstreet for measuring vegetation parameters, Stu Mackenzie for field assistance, and the Canadian Wildlife Service for financial support.

**10. CLIMAX HEMLOCK-WHITE PINE FOREST WITH TRANSITION HARDWOODS**  
 BOSQUE CLIMAX DE PICEA-PINO BLANCO EN TRANSICION A MADERAS DURAS

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 Litchfield CT 06759

**Site Number:** CT2765008. **Location:** Connecticut; Litchfield Co.; Litchfield; White Memorial Foundation-Catlin Woods; 41°43'N, 73°12'W; Litchfield Quadrangle, USGS. **Continuity:** Established 1965; 39 yr. **Size:** 10.5 ha. **Description of Plot:** See *Aud. Field Notes* 19:594-595 (1965), *J. Field Ornithol.* 67(Suppl.):60 (1996), and *Bird Populations* 8:129-130 (2007). Succession is continuing in the blow-down areas at a rapid pace. **Weather:** Mean start temp., 20.1°C (range 13-28°C). May's mean temperature was 11.3°C (far below average). Mean temperatures in June (20.3°C) and July (21.7°C) were about average. Only two days during this period saw temperatures exceed 32.2°C, while nighttime lows in May dipped below 0°C six times. Rain fell on 17 d in May totaling 11.9 cm (slightly above average), 11 d in June totaling 7.7 cm (about 3 cm below normal), and 15 d in July totaling 15.0 cm (about 2 cm above average). **Source:** White Memorial's own weather station. **Coverage:** 20.0 h; 12 visits (1 sunrise, 7 sunset); 5, 13, 20, 27 May; 3, 11, 19 June; 1, 11, 20, 26, 31 July; 2005. **Maximum number of observers/visit:** 3. **Census:** Ovenbird, 15.0

(57; 19FL); Veery, 14.0 (53; 1N,20FL); Black-throated Green Warbler, 11.5 (44; 1N,17FL); Red-eyed Vireo, 10.0 (38; 10FL); Blackburnian Warbler, 7.5 (29; 2FL); Hermit Thrush, 6.0 (23; 1N,14FL); Wood Thrush, 4.0 (15; 4FL); Scarlet Tanager, 3.5 (13; 4FL); Black-capped Chickadee, 3.0 (11; 18FL); Eastern Wood-Pewee, 2.5 (3FL); Great Crested Flycatcher, 2.0; Pine Warbler, 2.0; Mourning Dove, 1.5 (2FL); Blue-headed Vireo, 1.5 (2FL); American Robin, 1.5 (2N,6FL); Yellow-bellied Sapsucker, 1.0; Pileated Woodpecker, 1.0 (2FL); Blue Jay, 1.0 (3FL); Tufted Titmouse, 1.0 (9FL); Winter Wren, 1.0; Yellow-rumped Warbler, 1.0 (1N,3FL); Black-and-white Warbler, 1.0 (2FL); Downy Woodpecker, 0.5; Hairy Woodpecker, 0.5; American Crow, 0.5 (1N,3FL); White-breasted Nuthatch, 0.5; Brown Creeper, 0.5; Gray Catbird, 0.5; Northern Cardinal, 0.5 (2FL); Brown-headed Cowbird, 0.5; Purple Finch, 0.5; American Goldfinch, 0.5; Wild Turkey, +; Eastern Phoebe, +; Red-breasted Nuthatch, +; Magnolia Warbler, +. **Total:** 36 species; 97.5 territories (371/40 ha). **Visitors:** Great Horned Owl, Barred Owl, Canada Warbler. **Remarks:** The number of breeding species dropped to 36 this year; seven fewer than last year and seven fewer than the 10-yr average of 43 species. All of the species that were lost this year were marginal users of the plot, sticking to edges and blow downs. Hence, vegetation succession may have reached a point to render these habitats unsuitable for these species. The only species found this year but missed last year were Eastern Phoebe, Winter Wren, and Magnolia Warbler. No new species were found this year. The number of territories crashed to 97.5 this year from last years 123.5, and the 10-yr average of 124. Since Black-throated Green Warbler declined by 4.5 territories and Blackburnian Warbler declined by 4.5 territories, some of the problem may have been a shortage of caterpillars brought on by May's terrible weather. Ovenbird was the most abundant species this year, followed by Veery. **Other Observers:** John Eykelhoff, Lukas Hyder, Marie Kennedy, Russ Naylor, Bob Stanowski, and Pamela Velez.

**11. YOUNG MIXED HARDWOOD-CONIFER STAND**

BOSQUE JOVEN-MIXTO DE MADERAS DURAS/RODAL DE CONIFEROS

DAVID ROSGEN  
 White Memorial Conservation Center  
 P.O. Box 368  
 Litchfield CT 06759

**Site Number:** CT2778262. **Location:** Connecticut; Litchfield Co.; Morris; White Memorial Foundation-Pitch Road; 41°42'N, 73°10'W; Litchfield Quadrangle, USGS. **Continuity:** Established 1978; 28 yr. **Size:** 8.5 ha. **Description of Plot:** See *Am. Birds*

33:72 (1979). The habitat around the perimeter of the plot continues to be destroyed, or at least degraded, by off-road vehicles. Illegal dumping and partying are also occurring frequently. **Weather:** Mean start temp., 21.1°C (range 13–27°C). May's mean temperature was 11.3°C (far below average). Mean temperatures in June (20.3°C) and July (21.7°C) were about average. Only two days during this period saw temperatures exceed 32.2°C, while nighttime lows in May dipped below 0°C six times. Rain fell on 17 d in May totaling 11.9 cm (slightly above average), 11 d in June totaling 7.7 cm (about 3 cm below normal), and 15 d in July totaling 15.0 cm (about 2 cm above average). Source: White Memorial's own weather station. **Coverage:** 12.0 h; 8 visits (1 sunrise, 7 sunset); 26 May; 3, 12, 24 June; 5, 16, 23, 29 July; 2005. **Census:** Veery, 11.5 (54; 4FL); Ovenbird, 11.0 (52; 1N,6FL); Red-eyed Vireo, 8.0 (38; 2FL); Scarlet Tanager, 3.5 (16; 2FL); Yellow-bellied Sapsucker, 3.0 (14); Eastern Wood-Pewee, 3.0 (2FL); Wood Thrush, 3.0; American Robin, 2.5 (4FL); Hermit Thrush, 2.0; Black-capped Chickadee, 1.5 (4FL); Tufted Titmouse, 1.5 (4FL); Gray Catbird, 1.5 (2FL); American Redstart, 1.5 (2FL); Downy Woodpecker, 1.0; Blue Jay, 1.0 (2FL); American Crow, 1.0 (2FL); Black-throated Blue Warbler, 1.0; Black-and-white Warbler, 1.0; Louisiana Waterthrush, 1.0; Northern Cardinal, 1.0 (2FL); American Goldfinch, 1.0; Wild Turkey, 0.5; White-breasted Nuthatch, 0.5; Black-throated Green Warbler, 0.5; Common Yellowthroat, 0.5; Eastern Towhee, 0.5; Rose-breasted Grosbeak, 0.5; Brown-headed Cowbird, 0.5; Red-bellied Woodpecker, +; Hairy Woodpecker, +; Northern Flicker, +; Pileated Woodpecker, +; Great Crested Flycatcher, +; Blue-gray Gnatcatcher, +; Cedar Waxwing, +; Blackburnian Warbler, +; Chipping Sparrow, +; Baltimore Oriole, +. **Total:** 38 species; 65.0 territories (306/40 ha). **Visitors:** Red-tailed Hawk, Chestnut-sided Warbler, Pine Warbler, Canada Warbler, Song Sparrow, Dark-eyed Junco, Purple Finch. **Remarks:** It was another terrible year for birds attempting to breed in this plot. Frequent harassment from off-road vehicles and parties was the primary problem. Cold, wet weather in May was a secondary problem. Consequently, the number of breeding species recorded dropped to 38 from last years 40 and the 10-yr average of 44 species. The only species found on territory here this year but not last year were Hairy and Pileated woodpeckers. The number of territories found this year declined to 65.0, which is the second lowest ever found in this plot. The lowest was 42.5 in 1979. The 10-yr average is 88 territories, declining for the second year. Species declining the most this year were Red-eyed Vireo and Wood Thrush (each -2.0 territories). A total of 13 species exhibited decreases in numbers this year, and three were lost entirely. Species that increased in number this year included Veery (+1.0; now the most abundant bird),

Eastern Wood-Pewee (+1.5), and Yellow-bellied Sapsucker (+0.5). **Other Observers:** Lukas Hyder, Russ Naylor, and Ed Yescott. **Acknowledgments:** Marie Kennedy was very helpful in compiling this year's Breeding Bird Census data.

## 12. RIPARIAN WOODLAND ARBOLADO RIVEREÑO

SCOTT R. ROBINSON  
*Bureau of Land Management*  
3815 N. Schreiber Way  
Coeur d'Alene ID 83815

**Location:** Idaho; Kootenai Co.; Coeur d'Alene; Blackwell Island; 47°41'N, 116°48'W; Coeur d'Alene Quadrangle, USGS. **Continuity:** Established 1997; 9 yr. **Size:** 8.9 ha. **Description of Plot:** See 1997 BBC report (unpublished) and *Bird Populations* 7:106 (2006) and 7:123 (2006). This is the third year post construction of the day-use recreation site. **Weather:** Mean start temp., 10.7°C (range 5–19°C). No flooding this year. This year's mosquito hatch between 16 and 22 June was the same time period as last year. **Coverage:** 14.0 h; 10 visits (10 sunrise); 3, 11, 18, 25, 31 May; 8, 16, 22, 29 June; 6 July; 2005. **Census:** American Robin, 6.5 (29); Yellow Warbler, 6.0 (27); Tree Swallow, 4.0 (18); Gray Catbird, 3.0 (13); Song Sparrow, 3.0; Mallard, 2.0; Ring-necked Pheasant, 2.0; Spotted Sandpiper, 2.0; Black-capped Chickadee, 2.0; Cedar Waxwing, 2.0; Red-winged Blackbird, 2.0; Brown-headed Cowbird, 2.0; Mourning Dove, 1.0; Calliope Hummingbird, 1.0; Downy Woodpecker, 1.0; Northern Flicker, 1.0; Violet-green Swallow, 1.0; European Starling, 1.0; Chipping Sparrow, 1.0; Black-headed Grosbeak, 1.0. **Total:** 20 species; 44.5 territories (200/40 ha). **Visitors:** Canada Goose, Wood Duck, Gadwall, Common Merganser, California Quail, Double-crested Cormorant, Great Blue Heron, Osprey, Bald Eagle, Red-tailed Hawk, Killdeer, Ring-billed Gull, Red-naped Sapsucker, Western Wood-Pewee, American Crow, Common Raven, Pygmy Nuthatch, Nashville Warbler, Yellow-rumped Warbler, Common Yellowthroat, Bullock's Oriole, House Finch, American Goldfinch.

## 13. RIPARIAN SCRUB BASIN CUENCA CON MATORRAL RIBEREÑO

MELODY AIMAR  
*Santa Ana Watershed Association*  
25864-K Business Center Drive  
Redlands CA 92374

**Location:** California; Riverside Co.; Riverside; Mockingbird Canyon; 33°53'33"N, 117°24'47"W; Riverside West Quadrangle, USGS. **Continuity:** Established 2004; 2 yr. **Size:** 12.7 ha. **Description of Plot:** See *Bird Populations* 8:142–143 (2007). **Weather:**

Mean start temp., 16.7°C (range 12–21°C). Temperatures were mild, as is typical for southern California's Mediterranean climate. There was no precipitation during, or within 24 h of, survey visits. **Coverage:** 22.1 h; 8 visits (0 sunrise, 0 sunset); 2, 10 March; 4, 13, 21 April; 24 May; 2, 30 June; 2005. Maximum number of observers/visit: 3. **Census:** California Towhee, 22.5 (71; 2N,1FL); Song Sparrow, 22.0 (69; 5FL); Bewick's Wren, 15.5 (49; 1N,3FL); Spotted Towhee, 15.5; Anna's Hummingbird, 11.5 (36); California Quail, 11.0 (35; 1N); Lesser Goldfinch, 10.5 (33); Common Yellowthroat, 10.0 (31; 2FL); House Finch, 8.5 (27); Black-headed Grosbeak, 6.5 (20); Bushtit, 5.0 (16; 1N); Black Phoebe, 4.0 (13; 1N); California Thrasher, 4.0; Yellow Warbler, 4.0; Mourning Dove, 3.0 (9); Hooded Oriole, 2.5; Nuttall's Woodpecker, 2.0; Northern Flicker, 2.0; House Wren, 2.0 (1N); Red-tailed Hawk, 1.0 (1N); Killdeer, 1.0 (1N,3FL); Western Scrub-Jay, 1.0; Barn Swallow, 1.0 (1N); Cooper's Hawk, 0.5; Yellow-breasted Chat, 0.5. **Total:** 25 species; 167.0 territories (526/40 ha). **Visitors:** Black-chinned Hummingbird, Ash-throated Flycatcher, Western Kingbird, Least Bell's Vireo, California Gnatcatcher, Northern Mockingbird. **Remarks:** California Towhees and Song Sparrows were the most abundant breeders. The species observed are common and locally abundant with the exception of Yellow Warbler and Yellow-breasted Chat, both of which are of "special concern" in California as defined by the California Department of Fish and Game. Yellow Warbler did not occur on the plot in 2004. The lack of Brown-headed Cowbirds can be explained by a major trapping effort throughout the watershed, including a nearby location. **Acknowledgements:** Special thanks to Gage Canal for site access.

#### 14. STREAMSIDE RIPARIAN WOODLAND I

##### BOSQUE RIBEREÑO I

TERRY REESER

*Santa Ana Watershed Association*

P.O. Box 219

Chino CA 91710

**Location:** California; Orange Co.; Yorba Linda; Featherly Regional Park; 33°52'24"N, 117°42'23"W; Black Star Canyon and Prado Dam Quadrangles, USGS. **Continuity:** Established 2004; 2 yr. **Size:** 17.8 ha. **Description of Plot:** See *Bird Populations* 8:143–144 (2007). High river flows caused by winter and spring rains and by emergency water releases from Prado Dam changed the river route at the upstream end of the plot and scoured the understorey and some trees from roughly 30% of the plot. Adjustments made to the plot because of the river realignment accounted for an increase in size of 1.4 hectares. **Weather:** Mean start temp., 23.0°C (range 17–38°C). Temperatures

were mild, as typical for southern California's Mediterranean climate. Source: National Weather Service. **Coverage:** 26.5 h; 6 visits (0 sunrise, 0 sunset); 3, 17 March; 29 April; 1, 2 June; 21 July; 2005. **Census:** Song Sparrow, 16.5 (37); Common Yellowthroat, 11.0 (25); Bewick's Wren, 10.0 (22); House Wren, 10.0 (2N,3FL); Yellow Warbler, 7.5 (17; 1N); Anna's Hummingbird, 5.0 (11); Nuttall's Woodpecker, 5.0; Least Bell's Vireo, 5.0 (3N,3FL); Spotted Towhee, 5.0; Black Phoebe, 4.0 (9); Wrentit, 3.0 (7); California Towhee, 3.0; Mallard, 2.0 (12FL); Bushtit, 2.0 (1N,1FL); Wood Duck, 1.0 (7FL); Downy Woodpecker, 1.0; Ash-throated Flycatcher, 1.0 (1N); Western Scrub-Jay, 1.0; Tree Swallow, 1.0 (1N); Red-shouldered Hawk, 0.5; Black-headed Grosbeak, 0.5. **Total:** 21 species; 95.0 territories (213/40 ha). **Visitors:** California Quail, Cooper's Hawk, Red-tailed Hawk, Mourning Dove, Greater Roadrunner, White-throated Swift, Black-chinned Hummingbird, Say's Phoebe, American Crow, Northern Rough-winged Swallow, Oak Titmouse, California Thrasher, Yellow-breasted Chat, Blue Grosbeak, Hooded Oriole, Bullock's Oriole, House Finch, Lesser Goldfinch, American Goldfinch. **Remarks:** The breeding bird community includes riparian, coastal sage, and chaparral species. The endangered Least Bell's Vireo and two species on California's "special concern" list (defined by California Department of Fish and Game), Yellow Warbler and Yellow-breasted Chat (visitor), bred on the plot along with other species of local concern such as Downy Woodpecker. Two pairs of Red-shouldered Hawks probably used the plot. Accurate counts were slightly hindered because I could only survey one side of the river. The high river flows and the resulting loss of vegetation may have been a factor in lowering the overall observations from 28 species and 228.5 territories for 2004 to 21 species and 95.0 territories for 2005. Nest monitoring for the Least Bell's Vireo and winter bird surveys take place on the plot. **Acknowledgements:** I thank Harbors, Beaches, and Parks Resources and Development Department, County of Orange, for site access and its continuing logistical support.

#### 15. STREAMSIDE RIPARIAN WOODLAND III

##### BOSQUE RIBEREÑO III

SUSAN HOFFMAN

*Santa Ana Watershed Association*

P.O. Box 219

Chino CA 91710

**Location:** California; Riverside Co.; Redlands; San Timoteo Canyon; 33°59'5"N, 117°7'45"W; Sunnymead Quadrangle, USGS. **Continuity:** Established 2004; 2 yr. **Size:** 12.3 ha. **Description of Plot:** See *Bird Populations* 8:144–145 (2007). Approximately 0.7 ha was not included from the original plot that was

surveyed in 2004. The area is located on a low-lying terrace on the north side of the creek and is comprised of sparse vegetation not characteristic of streamside riparian woodland. This plot has been undergoing passive restoration for four years after the removal of invasive *Arundo donax* from approximately 50% of the plot. **Weather:** Mean start temp., 18.3°C (range 12–26°C). Temperatures were mildly warm, as typical for southern California's Mediterranean climate. Source: data were obtained by using a Kestrel weather meter. **Coverage:** 19.1 h; 8 visits (1 sunrise, 0 sunset); 8, 30 March; 29 April; 19, 27 May; 14, 30 June; 8 July; 2005. Maximum number of observers/visit: 3. **Census:** Bewick's Wren, 19.0 (62); House Wren, 16.5 (54); Song Sparrow, 16.5; Northern Rough-winged Swallow, 12.0 (39); Spotted Towhee, 8.5 (28); California Towhee, 6.0 (20); Lesser Goldfinch, 5.0 (16); Black Phoebe, 4.5 (15); Nuttall's Woodpecker, 4.0 (13); Least Bell's Vireo, 4.0 (4N,4FL); House Finch, 3.5 (11); Mourning Dove, 3.0 (10); Barn Owl, 3.0; Common Yellowthroat, 3.0; American Goldfinch, 3.0; Oak Titmouse, 2.5; Black-chinned Hummingbird, 2.0; Bushtit, 2.0; Yellow-breasted Chat, 2.0; Downy Woodpecker, 1.5; Ash-throated Flycatcher, 1.5; Red-shouldered Hawk, 1.0; Anna's Hummingbird, 1.0; Northern Flicker, 1.0; Common Raven, 1.0; Western Bluebird, 1.0; European Starling, 1.0; Brown-headed Cowbird, 1.0; Cooper's Hawk, 0.5; Western Kingbird, 0.5; Blue Grosbeak, 0.5; Bullock's Oriole, 0.5. **Total:** 32 species; 132.0 territories (429/40 ha). **Visitors:** Mallard, Great Blue Heron, Red-tailed Hawk, Killdeer, Greater Roadrunner, American Crow, Barn Swallow, California Thrasher, Yellow Warbler, Red-winged Blackbird. **Remarks:** Thirty-two species bred on this plot. Four nests of the endangered Least Bell's Vireo were found, but all failed. Two vireo nests were parasitized by Brown-headed Cowbirds. Four vireo fledglings were detected. Cowbird trapping took place just off of the plot. Other breeding species that have exhibited declines and are of state or local concern include Downy Woodpecker and Yellow-breasted Chat. Raptor use on and near the plot and the presence of cavity nesters continues. These data represent minimum numbers given that territories were determined based on 4–6 registrations. Winter bird surveys are also conducted on this plot. **Other Observers:** Dick Zembal, Bonnie Nash, and Melody Aimar. **Acknowledgements:** Special thanks to the U.S. Army Corps of Engineers for providing funding for the surveys.

## 16. FOREST WETLAND AND BORDERING CLIFF AND TALUS

### ANEGADO FORESTADO Y FARALLONES Y TALUDES QUE LO BORDEAN

LYNN BOWDERY, ALLAN BOWDERY, TOM SARRO,  
LIN FAGAN & RUTH ELWELL  
Mohonk Preserve, Inc.  
Daniel Smiley Research Center  
P.O. Box 715  
New Paltz NY 12561

**Location:** New York; Ulster Co.; Rochester; Sleepy Hollow; 41°46'N, 74°11'W; Mohonk Lake Quadrangle, USGS. **Continuity:** Established 1995; 3 yr. **Size:** 22.3 ha. **Description of Plot:** See *J. Field Ornithol.* 67(Suppl.):71–72 (1996). **Weather:** Mean start temp., 16.5°C (range 10–24°C). It started out foggy on the 5/27, 6/2, and 6/16 visits; it cleared on 5/27 and 6/2, but it turned to rain on 6/16. May average temperature was 13°C (1.6°C below the 105-yr average). June average temperature was 23°C (6.8°C above the 105-yr average). Precipitation in May totalled 5.36 cm (5.41 cm below the 105-yr average), and in June 7.16 cm (2.87 cm below the 105-yr average). Source: Mohonk Lake Weather Station. **Coverage:** 27.2 h; 13 visits (11 sunrise, 1 sunset); 17, 25, 27, 31 May; 2, 5, 9, 13, 16, 20, 23, 27 June; 5 July; 2005. Maximum number of observers/visit: 5. **Census:** Black-and-white Warbler, 6.0 (11); Worm-eating Warbler, 4.5 (8); Ovenbird, 4.5; Black-throated Blue Warbler, 4.0 (7); Indigo Bunting, 3.5 (6); Eastern Wood-Pewee, 3.0 (5); Eastern Phoebe, 3.0; Red-eyed Vireo, 3.0; Black-throated Green Warbler, 3.0; Great Crested Flycatcher, 2.0; Blue Jay, 2.0 (1FL); Black-capped Chickadee, 2.0; Scarlet Tanager, 2.0; Eastern Towhee, 2.0; Louisiana Waterthrush, 1.5; Chipping Sparrow, 1.5; Mourning Dove, 1.0; Hairy Woodpecker, 1.0 (1FL); Tufted Titmouse, 1.0; White-breasted Nuthatch, 1.0; Winter Wren, 1.0; Hermit Thrush, 1.0; Wood Thrush, 1.0; Yellow-rumped Warbler, 1.0; Prairie Warbler, 1.0; Yellow-billed Cuckoo, 0.5; Pileated Woodpecker, 0.5; Yellow-throated Vireo, 0.5; American Redstart, 0.5; Common Raven, +. **Total:** 30 species; 58.5 territories (105/40 ha). **Visitors:** Peregrine Falcon, Black-billed Cuckoo, Ruby-throated Hummingbird, Red-bellied Woodpecker, Downy Woodpecker, Acadian Flycatcher, American Crow, American Robin, Cedar Waxwing, Chestnut-sided Warbler, Magnolia Warbler, Blackburnian Warbler, Common Yellowthroat, Swamp Sparrow, Northern Cardinal, Rose-breasted Grosbeak, Brown-headed Cowbird, Baltimore Oriole, American Goldfinch. **Remarks:** The gypsy moth caterpillar population was lower in 2005 than it was in 2000. The trail through



the study area has remained closed. The naturally regrowing vegetation added to the fallen branches from the November 2002 ice storm (which severely damaged the trees at this elevation) made the path challenging to pass along in places. Bear tracks and scat were observed. An all-black morph gray squirrel was seen on several occasions. **Other Observers:** Bea Conover, Jaime Deppen, John Thompson, and Jane Vecchione. **Acknowledgments:** Thanks to the Mohonk Preserve, Inc., including Paul Huth, Director of the Daniel Smiley Research Center of the Mohonk Preserve, for their cooperation.

### 17. DESERT RIPARIAN–FRESHWATER MARSH

#### DESIERTO RIVEREÑO–PANTANO

EUGENE A. CARDIFF

*San Bernardino County Museum*

*2024 Orange Tree Lane*

*Redlands CA 92374*

**Location:** California; San Bernardino Co.; Morongo Valley; Big Morongo Wildlife Reserve; 34°3'N, 116°35'W; Morongo Valley Quadrangle, USGS. **Continuity:** Established 1977; 28 yr. **Size:** 15.4 ha. **Description of Plot:** See *J. Field Ornithol.* 62 (Suppl.):76 (1991), 64 (Suppl.):92–93 (1993), and 65 (Suppl.):106–107 (1994). On 22 June 2005, one-third of the plot burned. The fire also burned a large area of desert scrub and riparian to the south and west of the plot. The fire occurred after this year's survey, so it did not affect reported results. **Weather:** Mean start temp., 11.8°C (range 7–15°C). The plot received 21 cm of rain this year, which is a record. **Coverage:** 28.0 h; 8 visits (8 sunrise); 21 April; 3, 5, 12, 19, 26 May; 1, 9 June; 2005. **Census:** Bewick's Wren, 14.0 (36; 6FL); Spotted Towhee, 14.0; House Wren, 10.0 (26; 1N); Common Yellowthroat, 10.0 (1FL); Song Sparrow, 10.0 (1FL); House Finch, 8.0 (21; 2N,4FL); Lesser Goldfinch, 8.0 (2N,7FL); Verdin, 6.0 (16; 4N,5FL); Yellow-breasted Chat, 5.0 (13; 1N); Bushtit, 4.0 (10; 5FL); Summer Tanager, 4.0; Brown-headed Cowbird, 4.0; Anna's Hummingbird, 3.0 (8; 2N); Costa's Hummingbird, 3.0 (2N,2FL); Nuttall's Woodpecker, 3.0 (2N,1FL); Brown-crested Flycatcher, 3.0 (1N); Virginia Rail, 2.0; Mourning Dove, 2.0; Black Phoebe, 2.0 (2N,5FL); Ash-throated Flycatcher, 2.0 (1N); Bell's Vireo, 2.0 (1N); Western Scrub-Jay, 2.0; California Thrasher, 2.0 (2FL); Phainopepla, 2.0 (1N); California Towhee, 2.0; Hooded Oriole, 2.0 (2N,2FL); Gambel's Quail, 1.0; Cooper's Hawk, 1.0 (1N,2FL); Long-eared Owl, 1.0 (2FL); Western Bluebird, 1.0 (1N); European Starling, 1.0; Lucy's Warbler, 1.0; Yellow Warbler, 1.0; Black-throated Sparrow, 1.0 (1N,3FL); Lawrence's Goldfinch, 1.0 (1N). **Total:** 35 species; 138.0 territories (358/40 ha). **Visitors:** Red-tailed Hawk, Black-chinned Hummingbird, Ladder-backed Woodpecker, Vermilion Flycatcher, Cassin's Kingbird,

Western Kingbird, Mountain Chickadee, Black-headed Grosbeak, Bullock's Oriole. **Remarks:** Numbers of breeding birds were higher than recent years as a result of the record rainfall. **Other Observers:** Dori Myers, Alice Ashbaugh, and Dee Zeller. **Acknowledgments:** San Bernardino County Museum, San Bernardino Valley Audubon Society, and Bureau of Land Management.

### 18. SHRUBBY SWAMP AND SEDGE HUMMOCKS

#### PANTANO ARBUSTIVO–MOGOTE

DAVID ROSGEN

*White Memorial Conservation Center*

*P.O. Box 368*

*Litchfield CT 06759*

**Location:** Connecticut; Litchfield Co.; Litchfield; White Memorial Foundation–North Shore Marsh; 41°43'N, 73°13'W; Litchfield Quadrangle, USGS. **Continuity:** Established 1965; 39 yr. **Size:** 8.1 ha. **Description of Plot:** See *Aud. Field Notes* 19:625–627 (1965) and *Bird Populations* 7:125–126 (2006). Succession is continuing; red maple trees, up to 15 cm DBH, now cover almost half of the plot. **Weather:** Mean start temp was 19.6°C (range 9–29°C). May's mean temperature was 11.3°C (far below average). Mean temperatures in June (20.3°C) and July (21.7°C) were about average. Only two days during this period saw temperatures exceed 32.2°C, while nighttime lows in May dipped below 0°C six times. Rain fell on 17 d in May totaling 11.9 cm (slightly above average), 11 d in June totaling 7.7 cm (about 3 cm below normal), and 15 d in July totaling 15.0 cm (about 2 cm above average). Source: White Memorial's own weather station. **Coverage:** 26.0 h; 12 visits (1 sunrise, 3 sunset); 2, 9, 16, 27 May; 6, 13, 20, 28 June; 9, 20, 25, 31 July; 2005. Maximum number of observers/visit: 3. **Census:** Swamp Sparrow, 34.5 (170; 2N,76FL); Red-winged Blackbird, 33.5 (165; 3N,68FL); Yellow Warbler, 26.5 (131; 7N,48FL); Common Yellowthroat, 21.0 (104; 32FL); Gray Catbird, 20.5 (101; 4N,47FL); Song Sparrow, 8.5 (42; 2N,18FL); Common Grackle, 6.5 (32; 1N,17FL); American Goldfinch, 6.0 (30; 1N,10FL); Tree Swallow, 4.0 (20; 3N,17FL); Veery, 4.0 (10FL); Eastern Kingbird, 3.0 (15; 2N,8FL); Black-capped Chickadee, 3.0 (2N,21FL); Baltimore Oriole, 3.0 (1N,6FL); Warbling Vireo, 2.5 (2N,4FL); Cedar Waxwing, 2.5 (1N,6FL); American Redstart, 2.5 (1N,9FL); Tufted Titmouse, 2.0 (10FL); American Robin, 2.0 (1N,6FL); Northern Cardinal, 2.0 (5FL); Mourning Dove, 1.5; Alder Flycatcher, 1.5 (3FL); Least Flycatcher, 1.5; Great Crested Flycatcher, 1.5 (2FL); Blue-gray Gnatcatcher, 1.5 (2FL); Black-and-white Warbler, 1.5 (3FL); Red-bellied Woodpecker, 1.0; Yellow-bellied Sapsucker, 1.0 (2FL); Willow Flycatcher, 1.0 (2FL); White-breasted Nuthatch, 1.0 (5FL); Brown-headed Cowbird, 1.0 (1FL); Canada

Goose, 0.5 (3FL); Mute Swan, 0.5; Mallard, 0.5 (5FL); Great Blue Heron, 0.5; Spotted Sandpiper, 0.5; Downy Woodpecker, 0.5 (1N,3FL); Hairy Woodpecker, 0.5 (2FL); Northern Flicker, 0.5; Pileated Woodpecker, 0.5; Eastern Wood-Pewee, 0.5 (2FL); Yellow-throated Vireo, 0.5; Red-eyed Vireo, 0.5; Chestnut-sided Warbler, 0.5; Northern Waterthrush, 0.5; Rose-breasted Grosbeak, 0.5; American Woodcock, +; Yellow-billed Cuckoo, +; Purple Finch, +. **Total:** 48 species; 209.0 territories (1032/40 ha). **Visitors:** Wood Duck, Ruby-throated Hummingbird, Marsh Wren. **Remarks:** Flooding may have caused nest failures in May, but conditions during the remainder of the season were conducive to high breeding success. The number of breeding species rebounded to 48 (the same number as in 2003). This is five more than were found last year and is well above the 10-yr average of 39 species. Species found this year but not last year included American Woodcock, Yellow-bellied Sapsucker, Pileated Woodpecker, Chestnut-sided Warbler, and Rose-breasted Grosbeak. No species found last year were missed this year. The number of territories this year decreased slightly to 209.0 from 215.5 last year and is well above the 10-year average of 181. Swamp Sparrow remained the most abundant species, and Red-winged Blackbird remained in second place even though they each declined by 0.5 territory. Yellow Warbler remained in third place even though it declined by 3.5 territories. Common Yellowthroat remained in fourth place even though it declined by 2.0 territories. Fifth-place Gray Catbird increased by 2.0 territories. **Other Observers:** John Eykelhoff, Marie Kennedy, and Pamela Velez. **Acknowledgments:** Marie Kennedy provided indispensable help with compiling and computerizing these data.

### 19. COASTAL SCRUB

#### MATORRAL COSTANERO

SCOTT JENNINGS

*PRBO Conservation Science*

3820 Cypress Drive #11

Petaluma CA 94954

**Location:** California; Marin Co.; Bolinas; Palomarin Field Station; 37°55'N, 122°45'W; Bolinas Quadrangle, USGS. **Continuity:** Established 1971; 31 yr. **Size:** 8.1 ha. **Description of Plot:** See *Am. Birds* 25:1003–1004 (1971). Succession from coastal scrub to Douglas-fir (*Pseudotsuga menziesii*) forest continues across the plot. **Weather:** Mean start temp., 12.7°C (range 8–18°C). The yearly rain total (1 July 2004–30 June 2005) was 957.4 mm. The 1976–2008 average is 860.7 mm. Rainfall for the study period (1 April–31 July 2005) was 176.5 mm. The 1975–2008 average is 97.2 mm. **Coverage:** 201.6 h; 86 visits (58 sunrise, 0 sunset). 2005. **Census:** Wrentit, 11.0 (54; 14N,23FL); Bewick's

Wren, 8.0 (40; 1N,3FL); Spotted Towhee, 7.5 (37; 3N,4FL); Wilson's Warbler, 6.0 (30); Chestnut-backed Chickadee, 4.0 (20); Orange-crowned Warbler, 4.0; Allen's Hummingbird, 3.5 (17); Golden-crowned Kinglet, 3.5; Swainson's Thrush, 3.5; Purple Finch, 3.0 (15); Bushtit, 2.0; White-crowned Sparrow, 2.0 (1N,3FL); Northern Flicker, 1.0; Western Scrub-Jay, 1.0; American Robin, 1.0; Red-tailed Hawk, 0.5; Band-tailed Pigeon, 0.5; Hutton's Vireo, 0.5; Song Sparrow, 0.5. **Total:** 19 species; 63.0 territories (311/40 ha). **Visitors:** None listed. **Remarks:** Number of territories increased 22% from 2004 to 2005. Notable increases were seen in Chestnut-backed Chickadee (1.5 to 4.0 territories) and Golden-crowned Kinglet (0.5 to 3.5 territories). Several species increased from pluses to 1 or 2 full territories. Many species were present in 2004 but not in 2005: California Quail, Mourning Dove, Steller's Jay, Olive-sided Flycatcher, Pacific-slope Flycatcher, Red-breasted Nuthatch, and Dark-eyed Junco. **Other Observer:** Dennis Jongsomjit. **Acknowledgments:** We thank Point Reyes National Seashore for their cooperation. This is PRBO contribution No. 1671.

### 20. DISTURBED COASTAL SCRUB A

#### MATORRAL PERTURBADO A

CoCo SNOW & SCOTT JENNINGS

*PRBO Conservation Science*

3820 Cypress Drive #11

Petaluma CA 94954

**Location:** California; Marin Co.; Bolinas; Palomarin Field Station; 37°55'N, 122°45'W; Bolinas Quadrangle, USGS. **Continuity:** Established 1972; 31 yr. **Size:** 4.7 ha. **Description of Plot:** See *Am. Birds* 26:987–988 (1972). Douglas-fir (*Pseudotsuga menziesii*) on the plot continues to increase in height and density, changing the habitat from coastal scrub to forest. **Weather:** Mean start temp., 12.7°C (range 8–18°C). The yearly rain total (1 July 2004–30 June 2005) was 957.4 mm. The 1976–2008 average is 860.7 mm. Rainfall for the study period (1 April–31 July 2005) was 176.5 mm. The 1975–2008 average is 97.2 mm. **Coverage:** 149.0 h; 52 visits (41 sunrise, 0 sunset). 2005. **Census:** Wilson's Warbler, 5.0 (43); Wrentit, 4.0 (34; 6N,16FL); Spotted Towhee, 3.5 (30; 2N,2FL); Song Sparrow, 3.5 (6N,15FL); Allen's Hummingbird, 3.0 (26); California Quail, 2.5; Bushtit, 2.5; Bewick's Wren, 2.5; American Goldfinch, 2.5; Chestnut-backed Chickadee, 2.0; Swainson's Thrush, 2.0; Orange-crowned Warbler, 2.0; Anna's Hummingbird, 1.5; Purple Finch, 1.5; Mourning Dove, 1.0; Western Scrub-Jay, 1.0; Winter Wren, 1.0; American Robin, 0.5; European Starling, 0.5; Band-tailed Pigeon, +; Northern Flicker, +; Steller's Jay, +; Western Bluebird, +; California Towhee, +; White-crowned Sparrow, +; Dark-eyed Junco, +; Black-headed Grosbeak, +; Brown-headed

Cowbird, +. **Total:** 28 species; 42.0 territories (357/40 ha). **Visitors:** None listed. **Remarks:** Overall territory density increased by 29% from 2004. Species with notable increases from last year include: Wilson's Warbler (2.0 to 5.0 territories), Bewick's Wren (1.0 to 2.5), Orange-crowned Warbler (1.0 to 2.0), Swainson's Thrush (0.5 to 2.0), and Chestnut-backed Chickadee (0.5 to 2.0). No species showed territory density decreases greater than 50%. Winter Wren and European Starling were present in 2005 but not in 2004. This plot is part of a larger study plot, which is surveyed by the same observer. Total hours censusing the plot is typically tallied directly for both the larger area as well as for this plot. This year, however, this was not done; rather, the time spent censusing the entire plot only was recorded along with detailed descriptions of what portion of the total area was covered in a given day. Time spent censusing this plot was determined after the fact by calculating what proportion of the total time was spent in this plot from the area-covered descriptions. **Other Observer:** Dennis Jongsomjit. **Acknowledgments:** We thank Point Reyes National Seashore for their cooperation. This is PRBO contribution No. 1672.

## 21. DISTURBED COASTAL SCRUB B

### MATORRAL PERTURBADO B

KERRY NEIJSTROM & SCOTT JENNINGS

*PRBO Conservation Science*

3820 Cypress Drive #11

Petaluma CA 94954

**Location:** California; Marin Co.; Bolinas; Palomarin Field Station; 37°55'N, 122°46'W; Bolinas Quadrangle, USGS. **Continuity:** Established 1971; 31 yr. **Size:** 8.1 ha. **Description of Plot:** See *Am. Birds* 25:1002–1003

(1971) and *J. Field Ornithol.* 66(Suppl.):104 (1995). Douglas-fir (*Pseudotsuga menziesii*) trees have continued to grow thicker and taller on the plot. This is especially true in the eastern portion of the plot, where extensive areas are dense forest. **Weather:** Mean start temp., 12.7°C (range 8–18°C). The yearly rain total (1 July 2004–30 June 2005) was 957.4 mm. The 1976–2008 average is 860.7 mm. Rainfall for the study period (1 April–31 July 2005) was 176.5 mm. The 1975–2008 average is 97.2 mm. **Coverage:** 211.3 h; 91 visits (42 sunrise, 0 sunset). 2005. **Census:** American Goldfinch, 9.0 (44; 6N,8FL); Song Sparrow, 8.0 (40; 12N,14FL); Wrentit, 7.5 (37; 9N,18FL); Swainson's Thrush, 7.0 (35); Wilson's Warbler, 7.0; Bewick's Wren, 6.0 (30); Spotted Towhee, 4.5 (22; 6N,2FL); Allen's Hummingbird, 3.5 (17); Anna's Hummingbird, 3.0 (15); Chestnut-backed Chickadee, 3.0; Bushtit, 2.5; Orange-crowned Warbler, 2.5; Purple Finch, 2.5; Winter Wren, 1.5; Mourning Dove, 1.0; Red-tailed Hawk, 0.5; Northern Flicker, 0.5; Western Scrub-Jay, 0.5; American Robin, 0.5; European Starling, 0.5; White-crowned Sparrow, 0.5; Brown-headed Cowbird, 0.5. **Total:** 22 species; 72.0 territories (356/40 ha). **Visitors:** None listed. **Remarks:** Territory density increased 33% from 2004. In general, territory density for most species was constant. Notable increases were seen in Wilson's Warbler (3.5 to 7.0 territories), Swainson's Thrush (4.0 to 7.0), and Bushtit (0.5 to 2.5). Red-tailed Hawk and Winter Wren were present in 2005 but not in 2004, but it is very unlikely that Red-tailed Hawk had a nested on the plot. Steller's Jay, Downy Woodpecker, Golden-crowned Kinglet, and California Towhee were present in 2004 but not in 2005. **Other Observer:** Dennis Jongsomjit. **Acknowledgments:** We thank Point Reyes National Seashore for their cooperation. This is PRBO contribution No. 1673.