

## BREEDING BIRD CENSUS: 2007

### 1. MIXED HARDWOOD POLETIMBER

#### BOSQUE MIXTO MADERERO

DAVID ROSGEN

*White Memorial Conservation Center*

*P.O. Box 368*

*Litchfield CT 06759*

**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; 42 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). The density of shrubs and vines is continuing to increase, and deer over-browsing of herbaceous vegetation is getting worse. **Weather:** Mean start temp., 24.4°C (range 18–32°C). Overall, the weather during May, June, and July was pretty nice in northwest Connecticut. It was very conducive to vegetation growth, and it helped produce an abundance of seeds, nuts, berries, and insects as the season progressed. Rainfall was below average in May, with 11 wet days producing a total of only 4.4 cm of rain. The number of wet days remained the same in June, but 8.6 cm of rain fell. That's a little below average. In July, there were 12 wet days that produced a total of 15.5 cm of rain. That's a little above average. May's mean temperature was 14.7°C, which is a little below average. The mean temperature in June was 18.6°C, which is close to average. In July, the mean temperature was 20.4°C, which is a little below average. **Source:** White Memorial Foundation's own weather station. **Coverage:** 23.5 h; 10 visits (1 sunrise, 7 sunset); 9, 16, 26 May; 5, 12, 19, 30 June; 9, 16, 26 July; 2007. Maximum number of observers/visit, 3. **Census:** Gray Catbird, 15.5 (73; 4N,29FL); Veery, 14.5 (68; 12FL); Ovenbird, 13.5 (64; 1N,15FL); Eastern Towhee, 12.5 (59; 2N,22FL); Red-eyed Vireo, 11.0 (52; 2N,11FL); Common Yellowthroat, 9.0 (42; 1N,16FL); American Redstart, 8.5 (40; 2N,15FL); Wood Thrush, 5.0 (24; 1N,6FL); Northern Cardinal, 4.5 (21; 10FL); Tufted Titmouse, 4.0 (19; 18FL); American Robin, 4.0 (2N,9FL); Chestnut-sided Warbler, 4.0 (6FL); Black-capped Chickadee, 3.5 (16; 1N,15FL); Yellow Warbler, 3.5 (1N,9FL); Scarlet Tanager, 2.5 (3FL); Baltimore Oriole, 2.0 (1N,5FL); American Goldfinch, 2.0 (2FL); Blue Jay, 1.5 (2FL); American

Crow, 1.5 (1N,7FL); White-breasted Nuthatch, 1.5 (4FL); Cedar Waxwing, 1.5; Black-and-white Warbler, 1.5 (2FL); Wild Turkey, 1.0; Downy Woodpecker, 1.0 (3FL); Eastern Wood-Pewee, 1.0; House Wren, 1.0; Song Sparrow, 1.0 (1N,4FL); Red-winged Blackbird, 1.0 (2FL); Common Grackle, 1.0 (1N,4FL); Mourning Dove, 0.5 (1FL); Barred Owl, 0.5 (1FL); Ruby-throated Hummingbird, 0.5; Red-bellied Woodpecker, 0.5; Yellow-bellied Sapsucker, 0.5; Hairy Woodpecker, 0.5; Northern Flicker, 0.5; Pileated Woodpecker, 0.5; Yellow-throated Vireo, 0.5 (1N); Blue-winged Warbler, 0.5; Rose-breasted Grosbeak, 0.5; Brown-headed Cowbird, 0.5 (1FL); Purple Finch, 0.5; House Finch, 0.5; Eastern Phoebe, +; Great Crested Flycatcher, +; Eastern Kingbird, +; Warbling Vireo, +; Blue-gray Gnatcatcher, +. **Total:** 48 species; 141.0 territories (664/40 ha). **Visitors:** Cooper's Hawk, Yellow-billed Cuckoo, Chipping Sparrow. **Remarks:** The number of species found breeding in the plot decreased slightly this year to 48. Last year, 50 species were found here. The 10-year average is 46 species. Ruby-throated Hummingbird and Eastern Kingbird were found in the plot this year but not last year, when the latter species was just a visitor. Red-tailed Hawk, Fish Crow, and European Starling were lost as breeders; and Cooper's Hawk was reduced to visitor status this year. The total number of territories found here this year increased to a new record-high of 141.0 (from 132.0 last year). This is well above the 10-year average of 114.5 territories. The Gray Catbird population surged up to 15.5 territories this year, making it the most abundant species. Veery increased by 2.5 territories and remained the second most abundant species. Ovenbird remained the third most abundant species, even though it increased by 2.0 territories. Eastern Towhee moved up to fourth place this year. **Other Observers:** John Eykelhoff and John Grabowski.

### 2. SECOND-GROWTH HARDWOOD FOREST

#### BOSQUE SECUNDARIO DE MADERAS DURAS

DAVID ROSGEN

*White Memorial Conservation Center*

*P.O. Box 368*

*Litchfield CT 06759*

**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; 41 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., 23.8°C (range 19–32°C). Overall, the weather during May, June, and July was pretty nice in northwest Connecticut. It was very conducive to vegetation growth, and it helped produce an abundance of seeds, nuts, berries, and insects as the season progressed. Rainfall was below average in May, with 11 wet days producing a total of only 4.4 cm of rain. The number of wet days remained the same in June, but 8.6 cm of rain fell. That's a little below average. In July, there were 12 wet days that produced a total of 15.5 cm of rain. That's a little above average. May's mean temperature was 14.7°C, which is a little below average. The mean temperature in June was 18.6°C, which is close to average. In July, the mean temperature was 20.4°C, which is a little below average. **Source:** White Memorial Foundation's own weather station. **Coverage:** 16.5 h; 9 visits (0 sunrise, 9 sunset); 14, 25 May; 1, 8, 18, 29 June; 12, 21, 31 July; 2007. **Census:** Red-eyed Vireo, 15.5 (61; 2N,12FL); Veery, 15.0 (59; 1N,10FL); Ovenbird, 14.0 (55; 2N,16FL); Wood Thrush, 6.5 (26; 4FL); Gray Catbird, 4.5 (18; 1N,10FL); Eastern Wood-Pewee, 4.0 (16; 2FL); Yellow-bellied Sapsucker, 2.5 (1N,4FL); American Redstart, 2.5 (2FL); Scarlet Tanager, 2.5; Black-capped Chickadee, 2.0 (1N,5FL); Tufted Titmouse, 2.0 (9FL); American Robin, 2.0 (1N,8FL); Common Yellowthroat, 2.0 (3FL); Northern Cardinal, 2.0 (3FL); Blue Jay, 1.5 (3FL); White-breasted Nuthatch, 1.5 (6FL); Wild Turkey, 1.0; Red-bellied Woodpecker, 1.0; Downy Woodpecker, 1.0 (4FL); Eastern Phoebe, 1.0 (6FL); Great Crested Flycatcher, 1.0 (5FL); American Crow, 1.0 (1N,4FL); Hermit Thrush, 1.0; Chestnut-sided Warbler, 1.0 (3FL); Black-and-white Warbler, 1.0; Chipping Sparrow, 1.0 (5FL); Song Sparrow, 1.0 (2FL); Rose-breasted Grosbeak, 1.0 (2FL); American Goldfinch, 1.0; Mourning Dove, 0.5; Hairy Woodpecker, 0.5; Pileated Woodpecker, 0.5 (2FL); Yellow-throated Vireo, 0.5; Cedar Waxwing, 0.5; Brown-headed Cowbird, 0.5 (1FL); Brown Creeper, +; Blue-gray Gnatcatcher, +; Blue-winged Warbler, +; Black-throated Green Warbler, +; Louisiana Waterthrush, +. **Total:** 40 species; 96.0 territories (380/40 ha). **Visitors:** Wood Duck, Ruby-throated Hummingbird, Eastern Kingbird, Blue-headed Vireo, Fish Crow, Magnolia Warbler. **Remarks:** The number of species breeding in the plot increased slightly this year to 40. That is one more than last year and only two less than the previous 10-year average. Species found here this year but not last year included Mourning Dove, Yellow-throated Vireo, Brown Creeper, Blue-winged Warbler, and Chipping

Sparrow. The latter four were just visitors last year. Red-tailed Hawk, Broad-winged Hawk, Northern Flicker, and Baltimore Oriole were found in the plot last year but not this year. This is the first year in a long time that no raptors have nested here. The number of territories found in the plot this year increased significantly to 96.0. That's far more than the 70.0 that were found here last year, and marks a rebound to above-average levels. The previous 10-year average is 91 territories. Red-eyed Vireo was the most abundant species this year, increasing by 6.0 territories over last year when it was in third place. Veery dropped to second place this year.

### 3. WHITE OAK SAVANNAH SAVANA DE ROBLE BLANCO

MICHAEL F. G. CLARK  
101 Governor's Road, #708  
Dundas ON L9H 6L7

**Site Number:** ON2893110. **Location:** Ontario; Municipality of Muskoka; Torrance; Southwood Shield Plateau; 44°56'N, 79°30'W. **Continuity:** Established 1993; 10 yr. **Size:** 10.4 ha. **Description of plot:** See *J. Field Ornithol.* 65(Suppl.):60–61 (1994) and *Bird Populations* 8:127–128 (2007). **Weather:** Mean start temp., 19.4°C (range 10–26°C). Temperatures were 5% above the 30-year norm for May–June of 13.8°C. Rainfall during May and June was 34% below their averaged mean. **Source:** Environment Canada. **Coverage:** 16.5 h; 8 visits (3 sunset); 5, 23 May; 2, 17, 18, 20, 21, 23 June; 2007. **Census:** Common Yellowthroat, 11.0 (42); Chestnut-sided Warbler, 10.0 (38); American Robin, 7.0 (27); Field Sparrow, 7.0; Chipping Sparrow, 6.0 (23); Red-eyed Vireo, 5.0 (19); Eastern Towhee, 5.0; Veery, 3.0 (12); Brown Thrasher, 3.0; Yellow-rumped Warbler, 3.0; Black-and-White Warbler, 3.0; American Redstart, 2.0; White-throated Sparrow, 2.0; Mourning Dove, 1.0; Northern Flicker, 1.0; Great Crested Flycatcher, 1.0; Blue Jay, 1.0; Black-capped Chickadee, 1.0; Ovenbird, 1.0; Red-winged Blackbird, 1.0; Purple Finch, 1.0. **Total:** 21 species; 75.0 territories (288/40 ha). **Visitors:** Turkey Vulture, Mourning Dove, Common Nighthawk, Ruby-throated Hummingbird, Downy Woodpecker, Hairy Woodpecker, House Wren, Eastern Bluebird, Hermit Thrush, Cedar Waxwing, Yellow Warbler, Rose-breasted Grosbeak, Common Grackle, Brown-headed Cowbird. **Remarks:** The lowest May–June rainfall over this plot's 10-year study period did not appear to adversely affect breeding outcomes. Both the 75 territorial males and 21 breeding species were the highest in four study years. Warblers in particular, were abundant with 30 territories (representing 40% of the overall total) and with six species that attained 10-year highs. Seedeaters (6 species) were 26% below the norm, but Purple Finch and Mourning Dove bred

on the plot for the first time in eight and six years, respectively. The one breeding flycatcher (Great Crested Flycatcher) underlines a continuing and severe decline of this group (81% below the mean). Many once-regular species have not bred on this plot for several years including Yellow Warbler and Warbling Vireo (five years), and Eastern Kingbird, House Wren, and Yellow-billed Cuckoo (four years). This suggests the plot's (as well as much of the surrounding area's) openness invites sporadic breeding by some species. To date, 46 species have bred on this plot.

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

LINDA INGRAM  
Nolde Forest Environmental Education Center  
2910 New Holland Road  
Reading PA 19607-9448

**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; 15 yr. **Size:** 11.3 ha. **Description of Plot:** See *J. Field Ornithol.* 65(Suppl.):61 (1994). **Weather:** Mean start temp., 13.9°C (range 7–18°C). **Coverage:** 15.1 h; 9 visits (9 sunrise); 30 April; 4, 7, 8, 11, 14, 20, 21 May; 18 June; 2007. **Census:** Wood Thrush, 7.0 (25); Ovenbird, 5.0 (18); Veery, 4.0 (14); American Crow, 3.0 (11); Eastern Towhee, 3.0; Northern Cardinal, 2.5; Eastern Wood-Pewee, 2.0; Red-bellied Woodpecker, 1.5; Pileated Woodpecker, 1.0; Blue Jay, 1.0; chickadee sp., 1.0; Tufted Titmouse, 1.0; Scarlet Tanager, 1.0. **Total:** 13 species; 33.0 territories (117/40 ha). **Visitors:** Great Crested Flycatcher, Blue-headed Vireo, Brown Creeper, Cedar Waxwing, Worm-eating Warbler, Rose-breasted Grosbeak, Indigo Bunting. **Other Observers:** Pat Mangas, Lynn Scheirer, David Reynolds, and Phyllis Reynolds.

#### 5. VIRGIN HARDWOOD SWAMP FOREST BOSQUE PANTANOSO VIRGEN DE MADERAS DURAS

MICHAEL DAWSON  
Audubon Center at Beidler Forest  
336 Sanctuary Road  
Harleyville SC 29448

**Location:** South Carolina; Berkeley Co.; Harleyville; Francis Beidler Forest Sanctuary; 33°13'N, 80°20'W; Pringletown Quadrangle, USGS. **Continuity:** Established 1979; 15 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., 13.4°C (range 9–16°C). May was a fairly dry month. **Coverage:** 14.3 h; 10 visits (10 sunrise, 0 sunset); 26 April; 2, 6, 10, 12, 15, 19, 23, 25, 29 May; 2007. **Census:** Blue-gray Gnatcatcher, 26.5 (119); Northern Parula, 7.5 (34); Carolina Wren, 6.5 (29); White-eyed Vireo, 6.0 (27); Tufted Titmouse, 5.5 (25); Red-eyed Vireo, 5.0 (22); Prothonotary Warbler, 4.0 (18); Northern Cardinal, 4.0; Pileated Woodpecker, 3.0 (13); Red-bellied Woodpecker, 2.5; Acadian Flycatcher, 2.5; Great Crested Flycatcher, 2.5; Hooded Warbler, 2.5; Red-shouldered Hawk, 1.0; Yellow-billed Cuckoo, 1.0; Barred Owl, 1.0; Yellow-throated Vireo, 1.0; Carolina Chickadee, 1.0; Yellow-throated Warbler, 1.0; Swainson's Warbler, 0.5. **Total:** 20 species; 84.5 territories (380/40 ha). **Visitors:** Wood Duck, Great Blue Heron, Yellow-crowned Night-Heron, Turkey Vulture, Chimney Swift, Red-headed Woodpecker, Downy Woodpecker, American Crow, Ovenbird, Northern Waterthrush, Louisiana Waterthrush, Kentucky Warbler, Summer Tanager. **Other Observer:** Norman Brunswig.

#### 6. MATURE MAPLE-BEECH-BIRCH FOREST BOSQUE MADURO DE ARCE-HAYA-ABEDUL

LAURA M. LEWIS  
Cherokee National Forest  
2800 N. Ocoee Street  
Cleveland TN 37312

**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; 15 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., 19.3°C (range 10–30°C). **Coverage:** 27.9 h; 9 visits (7 sunrise, 2 sunset); 9, 10, 12, 13, 21, 22, 23 June; 8, 9 July; 2007. **Census:** Blue-headed Vireo, 10.5 (41); Veery, 10.5; Dark-eyed Junco, 10.0 (39; 1N,12FL); Ovenbird, 8.0 (31); Blackburnian Warbler, 5.0 (20); Black-throated Blue Warbler, 2.0; Chestnut-sided Warbler, 1.5; Barred Owl, 1.0; Hairy Woodpecker, 1.0; Carolina Chickadee, 1.0; White-breasted Nuthatch, 1.0; Winter Wren, 1.0; Canada Warbler, 1.0 (2FL); Tufted Titmouse, +; Red-breasted Nuthatch, +; Rose-breasted Grosbeak, +. **Total:** 16 species; 53.5 territories (210/40 ha). **Visitors:** Ruffed Grouse, Downy Woodpecker, Blue Jay, Common Raven, Gray Catbird, Cedar Waxwing, Scarlet Tanager. **Remarks:** Flyovers: Turkey Vulture, Chimney Swift, and American Goldfinch. **Other Observers:** David F. Vogt and Hayden Wilson. **Acknowledgments:** We acknowledge the financial and logistical support of the Cherokee National Forest.

## 7. MATURE OAK WOODLAND ARBOLADA DE ROBLE MADURO

KIM KREITINGER  
419 Jean Street  
Madison WI 53703

**Location:** Wisconsin; Dane Co.; Verona; Olson Oak Woods; 42°56'53"N, 89°35'2"W; Monroe and Verona Quadrangles, USGS. **Continuity:** Established 1998; 5 yr. **Size:** 46.0 ha. **Description of Plot:** See 1998 BBC report (unpublished). There were prescribed burns in 2004, 2005, and 2006. **Weather:** Mean start temp. 16.2°C (range 10–22°C). **Coverage:** 49.6 h; 16 visits; each visit covered half the plot making 8 complete surveys (16 sunrise, 0 sunset); 24, 25, 29 May; 1, 5, 6, 11, 12, 19, 20, 26, 27 June; 3, 5, 10, 11 July; 2007. **Census:** Eastern Wood-Pewee, 31.0 (27); Indigo Bunting, 26.0 (23); House Wren, 17.0 (15; 2FL); Red-eyed Vireo, 13.5 (12); Veery, 7.0 (6); Chestnut-sided Warbler, 7.0; Eastern Towhee, 5.0 (4; 1FL); Ovenbird, 4.0 (3); Scarlet Tanager, 4.0; Red-bellied Woodpecker, 2.0; Gray Catbird, 2.0; Chipping Sparrow, 2.0; Eastern Phoebe, 1.0; Yellow-throated Vireo, 1.0; Wood Thrush, 1.0; Mourning Warbler, 1.0. **Total:** 16 species; 124.5 territories (108/40 ha). **Visitors:** Wild Turkey, Mourning Dove, Yellow-billed Cuckoo, Barred Owl, Ruby-throated Hummingbird, Downy Woodpecker, Hairy Woodpecker, Northern Flicker, Pileated Woodpecker, Acadian Flycatcher, Great Crested Flycatcher, Blue Jay, Black-capped Chickadee, Tufted Titmouse, White-breasted Nuthatch, Blue-gray Gnatcatcher, American Robin, Cedar Waxwing, Common Yellowthroat, Hooded Warbler, Northern Cardinal, Rose-breasted Grosbeak, Baltimore Oriole. **Other Observer:** Nick Walton. **Acknowledgments:** Wisconsin Department of Natural Resources.

## 8. UPLAND CHRISTMAS TREE FARM FINCAS DE ARBOLES DE NAVIDAD DE ALTURAS

ELIZABETH W. BROOKS  
5540 Jericho Hill Road  
Alfred Station NY 14803

**Site Number:** NY2483108. **Location:** New York, Allegany Co., Andover; Kent Christmas Tree Farm; 42°10'N, 77°50'W; Andover Quadrangle, USGS. **Continuity:** Established 1983; 25 yr. **Size:** 10.7 ha. **Description of Plot:** See *Am. Birds* 38:91(1984). **Weather:** Mean start temp. 16.1°C (range 12.2–22.2°C). Data collected by the Alfred Cooperative Weather Station indicated that June was warmer and drier than normal while July was warmer and wetter than normal. The average daily temperature in June was 19.7°C and in July it was 20.4°C, both well above average. The total precipitation in June was 6.4 cm (3 cm below average); in July, total precipitation was

16.4 cm (about 8 cm above the average). **Coverage:** 12.3 h; 9 visits plus 1 woodcock survey (1 sunset); 12 April; 29 May; 8, 14, 21, 30 June; 7, 13, 20, 29 July; 2007. **Census:** Chipping Sparrow, 19.0 (71; 2N,3FL); Song Sparrow, 16.0 (60; 2N); American Robin, 5.0 (19; 2N); Yellow-rumped Warbler, 5.0 (2N); Purple Finch, 5.0; Magnolia Warbler, 3.0 (11); Field Sparrow, 3.0 (1N); Mourning Dove, 2.0; Blue Jay, 2.0; Cedar Waxwing, 2.0; Eastern Towhee, 2.0; American Goldfinch, 2.0; Bobolink, 1.5; American Woodcock, 1.0; Savannah Sparrow, 1.0; Indigo Bunting, 1.0; Red-winged Blackbird, 1.0; Brown-headed Cowbird, 1.0; Red-breasted Nuthatch, 0.5; Common Yellowthroat, 0.5; Grasshopper Sparrow, 0.5. **Total:** 21 species; 74.0 territories (277/40 ha). **Visitors:** Black-billed Cuckoo, Ruby-throated Hummingbird, Yellow-bellied Sapsucker, Northern Flicker, Red-eyed Vireo, American Crow, Black-capped Chickadee, Gray Catbird, Brown Thrasher, Chestnut-sided Warbler. **Remarks:** The number of territories (74.0) was above the mean (67.1), but it was lower than in any of the previous eight years. Red-breasted Nuthatch was a new species for the study plot. Brown Thrasher was missing (except as a visitor) after having been recorded on the study plot in 15 of the past 20 years; and Prairie Warbler was missing after being present in 11 of the past 20 years. No nests were found parasitized by cowbirds. **Acknowledgments:** Appreciation to Rick Walker and Dennis Smith for weather data and to Tom and Kathy Kent for their continued interest and permission to conduct the study on their land.

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

DAVID ROSEN  
White Memorial Conservation Center  
P.O. Box 368  
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; 41 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 areas that experienced blow-downs in past years. **Weather:** Mean start temp., 24.4°C (range 18–32°C). Overall, the weather during May, June, and July was pretty nice in northwest Connecticut. It was very conducive to vegetation growth, and it helped produce an abundance of seeds, nuts, berries, and insects as the season progressed. Rainfall was below average in

May, with 11 wet days producing a total of only 4.4 cm of rain. The number of wet days remained the same in June, but 8.6 cm of rain fell. That's a little below average. In July, there were 12 wet days that produced a total of 15.5 cm of rain. That's a little above average. May's mean temperature was 14.7°C, which is a little below average. The mean temperature in June was 18.6°C, which is close to average. In July, the mean temperature was 20.4°C, which is a little below average. **Source:** White Memorial Foundation's own weather station. **Coverage:** 24.0 h; 12 visits (0 sunrise, 9 sunset); 7, 15, 24, 31 May; 7, 14, 21 June; 2, 10, 17, 24, 31 July; 2007. Maximum number of observers/visit, 3. **Census:** Veery, 14.5 (55; 1N,16FL); Ovenbird, 13.5 (51; 5N,24FL); Black-throated Green Warbler, 9.5 (36; 2N,15FL); Red-eyed Vireo, 8.5 (32; 1N,8FL); Hermit Thrush, 7.5 (29; 9FL); Blackburnian Warbler, 4.5 (17; 3FL); Wood Thrush, 4.0 (15; 6FL); Black-capped Chickadee, 3.5 (13; 21FL); Pine Warbler, 3.5 (5FL); Scarlet Tanager, 3.5 (4FL); Eastern Wood-Pewee, 2.5 (3FL); Blue-headed Vireo, 2.5 (2FL); Mourning Dove, 2.0 (4FL); Great Crested Flycatcher, 2.0 (1N,4FL); Blue Jay, 2.0 (3FL); American Robin, 2.0 (1N,9FL); Yellow-rumped Warbler, 2.0 (1N,7FL); Northern Cardinal, 2.0 (1N,8FL); Yellow-bellied Sapsucker, 1.5; American Crow, 1.5 (1N,6FL); Tufted Titmouse, 1.5 (7FL); Brown Creeper, 1.5 (4FL); Gray Catbird, 1.5 (1N,5FL); Purple Finch, 1.5 (1N,3FL); Downy Woodpecker, 1.0 (2FL); Pileated Woodpecker, 1.0 (1N,2FL); Eastern Phoebe, 1.0 (1N,5FL); White-breasted Nuthatch, 1.0 (5FL); Black-and-white Warbler, 1.0 (3FL); Chipping Sparrow, 1.0; Wild Turkey, 0.5; Great Horned Owl, 0.5 (2FL); Hairy Woodpecker, 0.5; Yellow Warbler, 0.5 (3FL); Common Yellowthroat, 0.5 (2FL); Song Sparrow, 0.5 (3FL); Rose-breasted Grosbeak, 0.5; Brown-headed Cowbird, 0.5 (2FL); American Goldfinch, 0.5; Eastern Kingbird, +; Red-breasted Nuthatch, +; Magnolia Warbler, +; American Redstart, +; Northern Waterthrush, +; Canada Warbler, +; Baltimore Oriole, +. **Total:** 46 species; 109.0 territories (415/40 ha). **Visitors:** Ruby-throated Hummingbird, Cedar Waxwing, House Finch. **Remarks:** The number of species found breeding in the plot increased to 46 this year (up from 42 last year and 36 the year before). The 10-year average is 42 species. Species found here this year but not last year included Eastern Kingbird, Yellow and Magnolia warblers, Song Sparrow, Rose-breasted Grosbeak, Baltimore Oriole, and American Goldfinch. It seems as if more edge species are finding their way into this plot. Red-tailed Hawk, Barred Owl, and Northern Flicker were found here last year but not this year. The number of territories found in the plot increased to 109.0 this year. Last year, 100.0 were counted here. The 10-year average is 120.0 territories. Veery remained the most abundant species in the plot this year, and its numbers were unchanged from last

year. Ovenbird remained the second most abundant species even though it increased by 1.0 territory. Black-throated Green Warbler remained the third most abundant species even though it declined by 1.0 territory. **Other Observers:** John Eykelhoff, Mary Gendron, Lukas Hyder, Candace Kalmick, Caitlin MacGinitie, Russ Naylor, Margaret Sellers, and Bob Stanowski.

#### 10. 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; 30 yr. **Size:** 8.5 ha. **Description of Plot:** See *Am. Birds* 33:72 (1979). ATVs, dirt bikes, and 4x4 trucks have destroyed even more of this plot despite our constant battle to keep them out. Erosion of the roads and trail surrounding the plot, and the resultant siltation of the brook that flows through it, are getting much worse. **Weather:** Mean start temp., 21.4°C (range 12–29°C). Overall, the weather during May, June, and July was pretty nice in northwest Connecticut. It was very conducive to vegetation growth, and it helped produce an abundance of seeds, nuts, berries, and insects as the season progressed. Rainfall was below average in May, with 11 wet days producing a total of only 4.4 cm of rain. The number of wet days remained the same in June, but 8.6 cm of rain fell. That's a little below average. In July, there were 12 wet days that produced a total of 15.5 cm of rain. That's a little above average. May's mean temperature was 14.7°C, which is a little below average. The mean temperature in June was 18.6°C, which is close to average. In July, the mean temperature was 20.4°C, which is a little below average. **Source:** White Memorial Foundation's own weather station. **Coverage:** 16.0 h; 8 visits (1 sunrise, 5 sunset); 21, 29 May; 10, 19, 30 June; 7, 20, 30 July; 2007. **Census:** Veery, 11.0 (52; 10FL); Ovenbird, 10.0 (47; 6FL); Red-eyed Vireo, 9.5 (45; 1N,6FL); Gray Catbird, 3.5 (16; 1N,8FL); Scarlet Tanager, 3.5 (6FL); Yellow-bellied Sapsucker, 2.5 (1N,6FL); Wood Thrush, 2.5 (3FL); Eastern Wood-Pewee, 2.0; Black-capped Chickadee, 2.0 (10FL); Tufted Titmouse, 2.0 (9FL); American Robin, 2.0 (4FL); Hermit Thrush, 1.5 (2FL); Mourning Dove, 1.0; Eastern Phoebe, 1.0 (1N,2FL); Great Crested Flycatcher, 1.0; White-breasted Nuthatch, 1.0 (3FL); Black-throated Blue

Warbler, 1.0; Black-and-white Warbler, 1.0; American Redstart, 1.0; Common Yellowthroat, 1.0; Chipping Sparrow, 1.0 (3FL); American Goldfinch, 1.0; Red-bellied Woodpecker, 0.5; Downy Woodpecker, 0.5; Hairy Woodpecker, 0.5; Pileated Woodpecker, 0.5; Blue-headed Vireo, 0.5; Blue Jay, 0.5; American Crow, 0.5; Black-throated Green Warbler, 0.5; Blackburnian Warbler, 0.5; Louisiana Waterthrush, 0.5; Northern Cardinal, 0.5; Rose-breasted Grosbeak, 0.5; Brown-headed Cowbird, 0.5; Purple Finch, 0.5 (1N); Cooper's Hawk, +; Barred Owl, +; Blue-gray Gnatcatcher, +; Chestnut-sided Warbler, +; Pine Warbler, +. **Total:** 41 species; 69.0 territories (325/40 ha). **Visitors:** Least Flycatcher, Yellow-throated Vireo, Yellow-rumped Warbler, Canada Warbler, Eastern Towhee, Baltimore Oriole. **Remarks:** It was another terrible year for birds attempting to breed in this plot. Frequent harassment from the above-mentioned vehicles, coupled with the resultant habitat destruction, was the primary problem. Amazingly, the number of species displaying breeding evidence rebounded to 41 this year. Last year, only 35 species were found here. The 10-year average is 43 species. Species found here this year but not last year included Cooper's Hawk, Barred Owl, Blue-headed Vireo, Chestnut-sided, Black-throated Green, and Pine warblers, Chipping Sparrow, Brown-headed Cowbird, and Purple Finch. Wild Turkey, Great Horned Owl, Cedar Waxwing, and Song Sparrow were found here last year but not this year. The number of territories found here this year increased very slightly to 69.0 (from 68.5 last year). The 10-year average is 82.0 territories. The most abundant species again this year was Veery. Ovenbird remained the second most abundant species. **Other Observers:** Russ Naylor and Susan Spencer.

## 11. 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; 11 yr. **Size:** 8.9 ha. **Description of Plot:** See 1997 BBC report (unpublished) and *Bird Populations* 7:106 (2006) and 7:123 (2006). **Weather:** Mean start temp., 9.3°C (range 4–17°C). The weather was about normal. No flooding since last reported in 2002. **Coverage:** 12.1 h; 8 visits (8 sunrise); 3, 10 May; 4, 8, 13, 19, 26 June; 3 July; 2007. **Census:** American Robin, 6.5 (29); Red-winged Blackbird, 5.0 (22); Tree Swallow, 3.0 (13); Black-capped Chickadee, 3.0; Brown-headed

Cowbird, 3.0; Gray Catbird, 2.0; European Starling, 2.0; Yellow Warbler, 2.0; Yellow-rumped Warbler, 2.0; Song Sparrow, 2.0; Mallard, 1.5 (1N,6FL); Wood Duck, 1.0; Rufous Hummingbird, 1.0; Downy Woodpecker, 1.0; Northern Flicker, 1.0; Western Wood-Pewee, 1.0; Cedar Waxwing, 1.0; Bullock's Oriole, 1.0. **Total:** 18 species; 39.0 territories (175/40 ha). **Visitors:** Canada Goose, California Quail, Ring-necked Pheasant, Great Blue Heron, Osprey, Bald Eagle, Spotted Sandpiper, Ring-billed Gull, Rock Pigeon, Cordilleran Flycatcher, American Crow, Violet-green Swallow, Red-breasted Nuthatch, Hermit Thrush, Nashville Warbler, Spotted Towhee, Chipping Sparrow, Black-headed Grosbeak, House Finch.

## 12. UPLAND MIXED PINE-SPRUCE-HARDWOOD PLANTATION

PLANTACION MIXTA DE PINO-ABETO-MADERAS  
DURAS EN ALTURAS

ELIZABETH W. BROOKS  
5540 Jericho Hill Road  
Alfred Station NY 14803

**Site Number:** NY2474107. **Location:** New York; Allegany Co., Ward; Phillips Creek State Reforestation Tract; 42°8'N, 77°45'W; Andover Quadrangle, USGS. **Continuity:** Established 1974; 34 yr. **Size:** 16.6 ha. **Description of Plot:** See *Am. Birds* 28:699–700 (1974), *J. Field Ornithol.* 63(Suppl.):79–80 (1992) and 66(Suppl.):79–80 (1995). **Weather:** Mean start temp., 15.9°C (range 10.0–24.4°C). See Upland Christmas Tree Farm BBC for additional weather details. **Coverage:** 17.4 h; 10 visits (1 sunrise, 2 sunset); 27 May; 3, 10, 17, 24 June; 1, 8, 15, 22, 29 July; 2007. **Census:** Dark-eyed Junco, 10.0 (24; 1N,4FL); Magnolia Warbler, 9.0 (22); Blackburnian Warbler, 9.0; Black-throated Green Warbler, 8.0 (19); Yellow-rumped Warbler, 5.5 (13); Golden-crowned Kinglet, 5.0 (12); Blue-headed Vireo, 4.0 (10); American Robin, 4.0; Blue Jay, 3.0 (7); Chestnut-sided Warbler, 3.0; Common Yellowthroat, 3.0; Purple Finch, 3.0; Chipping Sparrow, 2.5; Yellow-bellied Sapsucker, 2.0; Black-capped Chickadee, 2.0; Red-breasted Nuthatch, 2.0; Brown Creeper, 2.0; Mourning Warbler, 2.0; Red Crossbill, 2.0; Hermit Thrush, 1.5; Ovenbird, 1.5; Indigo Bunting, 1.5; Wild Turkey, 1.0; Cooper's Hawk, 1.0 (1N,2FL); Red-shouldered Hawk, 1.0 (1N); Ruby-throated Hummingbird, 1.0; Great Crested Flycatcher, 1.0; Winter Wren, 1.0; Wood Thrush, 1.0; Eastern Towhee, 1.0; Song Sparrow, 1.0; White-throated Sparrow, 1.0; Brown-headed Cowbird, 1.0; American Goldfinch, 1.0; American Crow, 0.5. **Total:** 35 species; 98.0 territories, (236/40 ha). **Visitors:** Mourning Dove, Barred Owl, Eastern Kingbird, Red-eyed Vireo, Common Raven, Gray Catbird, Cedar Waxwing, Pine Warbler, Hooded Warbler, Common Grackle.

**Remarks:** The total number of territories (98.0) was well above the 33-year average (86.4). There were two new species recorded on the study plot (Ruby-throated Hummingbird and American Goldfinch). Chestnut-sided Warbler had the highest number of territorial males ever; Broad-winged Hawk was missing after being reported in 11 of the past 17 years. **Acknowledgments:** Appreciation to Rick Walker and Dennis Smith for weather data.

### 13. RIPARIAN SCRUB MATORRAL RIBEREÑO

JILL COUMOUTSO  
Santa Ana Watershed Association  
P.O. Box 219  
Chino CA 91708

**Location:** California; Riverside Co.; Norco; Norco Burn; 33°57'29"N, 117°31'56"W; Corona North Quadrangle, USGS. **Continuity:** Established 2006; 2 yr. **Size:** 14.6 ha. **Description of Plot:** See *Bird Populations* 9:192 (2009). **Weather:** Mean start temp., 18.2°C (range 13.5–29°C). Temperatures were mild, as typical for southern California's Mediterranean climate. **Source:** a Kestrel 3000 was used to measure temperature and wind speed. **Coverage:** 18.4 h; 8 visits (0 sunrise, 0 sunset); 16 March; 4, 10, 18 April; 10, 18 May; 15 June; 12 July; 2007. **Census:** Song Sparrow, 11.0 (30); Anna's Hummingbird, 9.0 (25; 5N); House Wren, 8.0 (22; 2N); Spotted Towhee, 8.0; Mourning Dove, 7.0 (19); Least Bell's Vireo, 7.0 (5N,10FL); Black-headed Grosbeak, 6.0 (16; 3N); Lesser Goldfinch, 4.0 (11); Yellow-breasted Chat, 3.0 (8; 1FL); Cooper's Hawk, 2.0; Northern Flicker, 2.0; Common Yellowthroat, 2.0; Red-tailed Hawk, 1.0; Black-chinned Hummingbird, 1.0; Nuttall's Woodpecker, 1.0; Downy Woodpecker, 1.0; Bushtit, 1.0; Bewick's Wren, 1.0; Yellow Warbler, 1.0; California Towhee, 1.0; Brown-headed Cowbird, 1.0. **Total:** 21 species; 78.0 territories (214/40 ha). **Visitors:** Mallard, Osprey, White-tailed Kite, Common Ground-Dove, Western Wood-Pewee, Willow Flycatcher, Pacific-slope Flycatcher, Black Phoebe, Ash-throated Flycatcher, Cassin's Kingbird, Western Kingbird, Western Scrub-Jay, Western Bluebird, Phainopepla, Orange-crowned Warbler, Blue Grosbeak, Hooded Oriole, Bullock's Oriole, House Finch, American Goldfinch. **Remarks:** Song Sparrows were the most abundant breeders on site due to the presence of a dense understory. Anna's Hummingbirds were the second most abundant breeders. In addition to winter and breeding bird surveys, this site is currently being monitored for the nests of the endangered Least Bell's Vireo. Other species of concern that bred on the plot include Yellow-breasted Chat. Species of concern that held territories on the plot include Yellow Warbler and Downy Woodpecker. This site continues to be

treated for Arundo re-growth on a yearly basis. A Brown-headed Cowbird trap was present adjacent to the plot for the entire breeding season.

### 14. RIPARIAN SCRUB BASIN CUENCA CON MATORRAL RIBEREÑO

MELODY AIMAR  
P.O. Box 219  
Chino CA 91708

**Location:** California; Riverside Co.; Riverside; Mockingbird Canyon; 33°53'33"N, 117°24'47"W; Riverside West Quadrangle, USGS. **Continuity:** Established 2004; 4 yr. **Size:** 12.7 ha. **Description of Plot:** See *Bird Populations* 8:142–143 (2007). **Weather:** Mean start temp., 18.3°C (range 14–22°C). Temperatures were mild, as is typical for southern California's Mediterranean climate. There was no precipitation during, or within 24 hours of, survey visits. One day was foggy. **Coverage:** 22.8 h; 8 visits (0 sunrise, 0 sunset); 3, 9, 16, 29 May; 6, 14, 19 June; 9 July; 2007. **Census:** Bewick's Wren, 12.0 (38); Spotted Towhee, 12.0 (1FL); Song Sparrow, 12.0; Anna's Hummingbird, 11.5 (36); California Towhee, 11.0 (35); House Finch, 9.0 (28; 3FL); Black-headed Grosbeak, 6.0 (19; 2FL); Phainopepla, 5.0 (16; 3FL); Hooded Oriole, 5.0; California Quail, 4.0 (13); Bushtit, 3.0 (9; 1N,4FL); Lesser Goldfinch, 3.0; California Thrasher, 2.5; Black-chinned Hummingbird, 2.0; Nuttall's Woodpecker, 2.0; Least Bell's Vireo, 2.0 (2FL); Western Scrub-Jay, 2.0; Yellow Warbler, 2.0; Mourning Dove, 1.0; Black Phoebe, 1.0 (1N,3FL); Common Yellowthroat, 1.0; Cooper's Hawk, 0.5; Red-tailed Hawk, 0.5; Barn Swallow, 0.5 (1N). **Total:** 24 species; 110.5 territories (348/40 ha). **Visitors:** Allen's Hummingbird, Northern Flicker, Pacific-slope Flycatcher, Western Kingbird, American Crow, House Wren, California Gnatcatcher, Wrentit, Orange-crowned Warbler, Yellow-breasted Chat, American Goldfinch. **Remarks:** Overall, numbers were much lower than in previous years. This area is suffering from severe drought; precipitation was lower in 2006–2007 than in recorded history. As a result, many birds may not have nested or were less active, reducing detectability. Last year's most abundant species, Song Sparrow (26.5 territories), was tied with Spotted Towhee and Bewick's Wren with 12.0 territories. This is the first year that the endangered Least Bell's Vireo occurred on-site. This population has increased from 9 to 22 in this canyon since 2002, probably due to intensive management by the Santa Ana Watershed Association. The Red-tailed Hawk pair did not reuse their nest this year, and a Cooper's Hawk nested just off-site. **Other Observers:** Nicole Peltier and Sue Hoffman. **Acknowledgments:** We would like to thank Gage Canal for site access.

**15. 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; 4 yr. **Size:** 17.8 ha. **Description of Plot:** See *Bird Populations* 8:143–144 (2007). **Weather:** Mean start temp., 19.9°C (range 15–23°C). Temperatures were mild, as typical for southern California's Mediterranean climate. **Source:** weather data were obtained by using a Kestrel 3000 weather meter. **Coverage:** 30.7 h; 6 visits (0 sunrise, 0 sunset); 26 March; 4, 18 April; 31 May; 21 June; 12 July; 2007. **Census:** Song Sparrow, 22.0 (49); Least Bell's Vireo, 9.5 (21; 6N,5FL); Bewick's Wren, 9.5; Common Yellowthroat, 9.5; Spotted Towhee, 9.5; Yellow Warbler, 9.0 (20); Anna's Hummingbird, 8.0 (18); House Wren, 6.0 (13); Black Phoebe, 4.0 (9); California Towhee, 4.0; Nuttall's Woodpecker, 3.5 (8); Black-headed Grosbeak, 3.5; Yellow-breasted Chat, 3.0 (7; 1FL); Mallard, 2.0; Red-shouldered Hawk, 2.0; Mourning Dove, 2.0; Wrentit, 2.0; House Finch, 2.0 (1N,1FL); Cooper's Hawk, 1.5; Wood Duck, 1.0 (3FL); Ash-throated Flycatcher, 1.0; American Crow, 1.0; Hooded Oriole, 1.0; Lesser Goldfinch, 1.0 (1N); Wilson's Warbler, 0.5; Bullock's Oriole, 0.5. **Total:** 26 species; 118.5 territories (266/40 ha). **Visitors:** California Quail, Great Blue Heron, Great Egret, Snowy Egret, Black-crowned Night-Heron, White-tailed Kite, American Kestrel, American Coot, Black-chinned Hummingbird, Downy Woodpecker, Western Scrub-Jay, Northern Rough-winged Swallow, Bushtit, Northern Mockingbird, California Thrasher, Phainopepla, Orange-crowned Warbler, Red-winged Blackbird, American Goldfinch. **Remarks:** The breeding bird community includes riparian, coastal sage, and chaparral species. The endangered Least Bell's Vireo and California species of concern Yellow Warbler and Yellow-breasted Chat bred on the plot along with other species of concern such as Downy Woodpecker. The mature stands of cottonwood and black willow throughout the plot benefit many species observed including Yellow Warbler, Nuttall's Woodpecker, and Downy Woodpecker. I possibly over counted some species due to surveying only one side of the river, but I took this into account for some species. Nest monitoring for Least Bell's Vireo and winter bird surveys take place on the plot. **Acknowledgments:** I thank Harbors, Beaches, and Parks Resources and Development Department,

County of Orange, for site access and its continuing logistical support.

**16. STREAMSIDE RIPARIAN WOODLAND III**  
**BOSQUE RIBEREÑO III**

ALLYSON BECKMAN  
*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; 4 yr. **Size:** 12.3 ha. **Description of Plot:** See *Bird Populations* 8:144–145 (2007) ) and 9:182–183 (2009). **Weather:** Mean start temp., 20.2°C (range 12–31°C). Temperatures were warm, as typical for southern California's Mediterranean climate. There was no precipitation during, or within 24 hours of, any survey visit. **Source:** weather data were obtained by using a Kestrel 3000 weather meter. **Coverage:** 24.2 h; 8 visits (2 sunrise, 0 sunset); 22 March; 13 April; 17 May; 6, 18, 22 June; 2, 6 July; 2007. **Census:** Song Sparrow, 15.0 (49); Bewick's Wren, 14.0 (46); Spotted Towhee, 13.0 (42); Northern Rough-winged Swallow, 12.0 (39); Mourning Dove, 11.0 (36); California Towhee, 11.0; Lesser Goldfinch, 9.0 (29); Bushtit, 7.0 (23); Common Yellowthroat, 6.0 (20); American Goldfinch, 6.0; Anna's Hummingbird, 5.0 (16); Least Bell's Vireo, 5.0 (6N,7FL); House Wren, 4.0 (13); Black-chinned Hummingbird, 3.0 (10); Nuttall's Woodpecker, 3.0; Black Phoebe, 3.0; Ash-throated Flycatcher, 3.0; Oak Titmouse, 3.0; Barn Owl, 2.0; Northern Flicker, 2.0; Phainopepla, 2.0; Yellow Warbler, 2.0; Yellow-breasted Chat, 2.0; House Finch, 2.0; Red-shouldered Hawk, 1.0; Downy Woodpecker, 1.0; American Crow, 1.0; Common Raven, 1.0; European Starling, 1.0; Black-headed Grosbeak, 1.0; Brown-headed Cowbird, 1.0; Red-tailed Hawk, 0.5; California Thrasher, 0.5; Blue Grosbeak, 0.5; Bullock's Oriole, 0.5. **Total:** 35 species; 154.0 territories (501/40 ha). **Visitors:** California Quail, White-tailed Kite, Cooper's Hawk, American Kestrel, Western Scrub-Jay, Northern Mockingbird, Red-winged Blackbird. **Remarks:** Thirty-five species bred on this plot. The plot has been undergoing passive restoration over the last six years after the removal of over 80 ha of invasive *Arundo donax* that choked the entire canyon. One endangered species, Least Bell's Vireo, bred on the plot. Nest monitoring for the Least Bell's Vireo and winter bird surveys are also done on this plot. **Acknowledgments:** Special thanks to the U.S. Army Corps of Engineers for providing funding for the surveys.



## 17. PITCH PINE-SLABROCK

## AREA DE PINO RESINA

LYNN BOWDERY, TOM SARRO, LIN FAGAN, ALLAN  
BOWDERY & JOE CHERNEK

*Daniel Smiley Research Center*  
*Mohonk Lake*  
1000 Mountain Rest Road  
New Paltz NY 12561

**Site Number:** NY1392063. **Location:** New York; Ulster Co.; Gardiner; The Near Trapps; 41°44'0"N, 74°12'30"W; Gardiner Quadrangle, USGS. **Continuity:** Established 1992; 4 yr. **Size:** 15.8 ha. **Description of Plot:** See *J. Field Ornithol.* 64 (Suppl.):86–87 (1993) and *Bird Populations* 7:124 (2006). At the southern end of the plot, the hardwood overstory has grown older, and more red maples are getting tall. There are also some white pines attaining considerable size, possibly as a result of fire suppression and the impact of gypsy moth larvae on chestnut oaks. **Weather:** Mean start temp., 14.0°C (range 5–29°C). The average temperature for May was 2.3°C above the 111-year average, and the precipitation was 1.8 cm (the driest May on record). The average temperature for June was 2.1°C above the 111-year average (the sixth warmest June on record), and the precipitation was 7.6 cm (25% below average). **Source:** Mohonk Lake Cooperative Weather Station. **Coverage:** 30.6 h; 13 visits (12 sunrise, 1 sunset); 15, 22, 25, 28, 31 May; 5, 7, 11, 14, 18, 22, 26, 29 June; 2007. Maximum number of observers/visit, 8. **Census:** Chipping Sparrow, 12.0 (30); Prairie Warbler, 8.5 (22; 1FL); Black-and-white Warbler, 6.0 (15); Eastern Towhee, 4.5 (11); Indigo Bunting, 3.5 (9); Black-capped Chickadee, 3.0 (8); Pine Warbler, 3.0; Mourning Dove, 2.0; Red-eyed Vireo, 2.0; American Robin, 1.5; Great Crested Flycatcher, 1.0; Tufted Titmouse, 1.0; Cedar Waxwing, 1.0; Common Yellowthroat, 1.0; Dark-eyed Junco, 1.0; Scarlet Tanager, 1.0; Eastern Phoebe, 0.5; Blue Jay, 0.5; Worm-eating Warbler, 0.5; Yellow-billed Cuckoo, +; Black-billed Cuckoo, +; Barred Owl, +; Ruby-throated Hummingbird, +; Downy Woodpecker, +; Hairy Woodpecker, + (1FL); Northern Flicker, +; Blue-headed Vireo, +; Hermit Thrush, +; Wood Thrush, +; Yellow-rumped Warbler, +; Ovenbird, +; Hooded Warbler, +; Northern Cardinal, +; Baltimore Oriole, +; Purple Finch, +; American Goldfinch, +. **Total:** 36 species; 53.5 territories (135/40 ha). **Visitors:** Sharpshinned Hawk, American Crow, Red-breasted Nuthatch, Winter Wren, Magnolia Warbler, Black-throated Green Warbler. **Remarks:** Compared to the 2002 census of this plot, we have been more liberal in giving infrequently sighted species "+" designations rather than listing them as visitors. **Other Observers:**

John Thompson, Flo LaValle, Charlotte Gabrielsen, and Shanan Smiley. **Acknowledgments:** Thanks to the Mohonk Preserve for its cooperation.

## 18. FIELD, RIDGE, SHRUBBY TREES, AND WOODS

## CAMPOS, COLINAS, ARBUSTOS Y BOSQUES

MICHAEL F. G. CLARK  
101 Governor's Road, #708  
Dundas ON L9H 6L7

**Location:** Ontario; Municipality of Hamilton-Wentworth; Dundas; Dundas Valley Plot #1; 43°15'N, 79°54'W. **Continuity:** Established 1994; 12 yr. **Size:** 5.8 ha. **Description of Plot:** See *J. Field Ornithol.* 60(Suppl.):14 (1989), 66(Suppl.):27–28 (1995), and 67(Suppl.):73–74 (1996). **Weather:** Mean start temp., 19.9°C (range 14–24°C). Precipitation was 12.8 cm below the norm over the study period. This marks the least rainfall for the last ten years for which there are records. Temperatures from May through July were at the 30-year norm. **Source:** Environment Canada. **Coverage:** 13.1 h; 8 visits (0 sunrise, 3 sunset); 2, 15 May; 9, 12, 30 June; 1, 7, 12 July; 2007. **Census:** Yellow Warbler, 27.0 (186); Gray Catbird, 22.0 (152); Song Sparrow, 8.0 (55; 1FL); Northern Cardinal, 8.0; Field Sparrow, 6.0 (41); American Goldfinch, 5.0 (34); Blue-winged Warbler, 4.0 (28); Indigo Bunting, 4.0; American Robin, 3.0 (21); Rose-breasted Grosbeak, 3.0; Great Crested Flycatcher, 2.0 (2FL); Blue Jay, 1.0; Black-capped Chickadee, 1.0; House Wren, 1.0. **Total:** 14 species; 95.0 territories (655/40 ha). **Visitors:** Cooper's Hawk, Mourning Dove, Yellow-billed Cuckoo, Downy Woodpecker, Northern Flicker, Red-eyed Vireo, White-breasted Nuthatch, Wood Thrush, Common Yellowthroat, Scarlet Tanager, Common Grackle, Brown-headed Cowbird. **Remarks:** Fewer insects, resulting from this year's excessive dryness, may have been responsible for the second lowest territorial males total recorded over 12 years on this revised plot. While the typically low numbers of breeding thrushes, mimids, and flycatchers were at or near their 12-year means, the two warbler species were 30% below the mean, there were no icterids, and the three top species (Yellow Warbler, Gray Catbird, and Song Sparrow) were 24% under average. Seed eaters (six species), at just 8% below the mean, likely took advantage of the rich herbal variety in open areas. The increased bushiness of hawthorns, dogwoods, etc., and increasing canopy in some areas may be contributing to the ongoing decline of breeding numbers for some species. The 14 breeding species were four species below the mean.

## 19. 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; 41 yr. **Size:** 8.1 ha. **Description of Plot:** See *Aud. Field Notes* 19:625–627 (1965) and *Bird Populations* 7:125–126 (2006). Three severe flooding events in the past year altered the vegetation in this wetland by killing or otherwise damaging some of the trees and reducing the amount of the herbaceous layer. The shrub cover, which continues to increase in surface area and density, was unaffected by the flooding. **Weather:** Mean start temp., 24.5°C (range 18–29°C). Overall, the weather during May, June, and July was pretty nice in northwest Connecticut. It was very conducive to vegetation growth, and it helped produce an abundance of seeds, nuts, berries, and insects as the season progressed. Rainfall was below average in May, with 11 wet days producing a total of only 4.4 cm of rain. The number of wet days remained the same in June, but 8.6 cm of rain fell. That's a little below average. In July, there were 12 wet days that produced a total of 15.5 cm of rain. That's a little above average. May's mean temperature was 14.7°C, which is a little below average. The mean temperature in June was 18.6°C, which is close to average. In July, the mean temperature was 20.4°C, which is a little below average. **Source:** White Memorial Foundation's own weather station. **Coverage:** 30.0 h; 12 visits (0 sunrise, 9 sunset); 3, 10, 22 May; 2, 9, 16, 28 June; 6, 12, 20, 26, 31 July; 2007. Maximum number of observers/visit, 5. **Census:** Swamp Sparrow, 34.0 (168; 3N,61FL); Red-winged Blackbird, 31.0 (153; 3N,55FL); Yellow Warbler, 26.5 (131; 6N,54FL); Gray Catbird, 21.0 (104; 5N,45FL); Common Yellowthroat, 20.5 (101; 1N,27FL); Song Sparrow, 8.5 (42; 2N,17FL); American Goldfinch, 7.5 (37; 1N,9FL); Common Grackle, 6.5 (32; 2N,20FL); Veery, 6.0 (30; 12FL); Tree Swallow, 5.5 (27; 5N,28FL); Eastern Kingbird, 4.0 (20; 3N,10FL); Cedar Waxwing, 4.0 (1N,9FL); Warbling Vireo, 3.5 (17; 1N,6FL); Black-capped Chickadee, 3.5 (2N,18FL); Tufted Titmouse, 3.5 (16FL); American Robin, 3.5 (2N,15FL); Baltimore Oriole, 3.0 (15; 1N,7FL); Blue-gray Gnatcatcher, 2.5 (2N,6FL); Northern Cardinal, 2.5 (8FL); Willow Flycatcher, 2.0 (2FL); Least Flycatcher, 2.0 (1N,5FL); Downy Woodpecker, 1.5 (1N,6FL); Eastern Wood-pewee, 1.5 (2FL); Northern Waterthrush, 1.5 (2FL); Mourning Dove, 1.0 (1FL); Northern Flicker, 1.0 (2FL); Great Crested Flycatcher, 1.0; Yellow-throated Vireo, 1.0; Red-eyed Vireo, 1.0; White-breasted Nuthatch, 1.0 (6FL); Black-and-white Warbler, 1.0 (3FL); American Redstart, 1.0 (3FL); Canada Goose, 0.5 (4FL); Wood

Duck, 0.5 (4FL); Great Blue Heron, 0.5; Spotted Sandpiper, 0.5 (2FL); Red-bellied Woodpecker, 0.5; Hairy Woodpecker, 0.5 (3FL); Alder Flycatcher, 0.5; Chestnut-sided Warbler, 0.5; Rose-breasted Grosbeak, 0.5; Brown-headed Cowbird, 0.5 (1FL); Yellow-bellied Sapsucker, +; Ovenbird, +; Purple Finch, +. **Total:** 45 species; 218.5 territories (1079/40 ha). **Visitors:** Mallard, Osprey, American Woodcock, Ruby-throated Hummingbird, House Wren, Scarlet Tanager. **Remarks:** Despite a few cold nights in May, most of this year's breeding season was characterized by nearly ideal weather conditions. Consequently, most birds did very well in fledging young (a total of 469 in this plot). The number of species recorded this year decreased to 45 (from 52 last year). This may have been due to habitat damaged by earlier floods. The previous 10-year average was 43 species. The only species found this year but not last year were Wood Duck and Ovenbird. The number of territories found here this year increased to 218.5. That's the second highest total ever, and it is well above the 10-year average of 189.5. It is 14.5 territories more than were tallied here last year. Swamp Sparrow was the most abundant species here this year, with Red-winged Blackbird in second place. **Other Observers:** Lorraine Amalavage, John Eykelhoff, Mary Gendron, Lukas Hyder, Daren Jacklin, Caitlin MacGinitie, Bill O'Day, John Shugrue, Bob Stanowski, and Terry Weaver.

## 20. COASTAL SCRUB MATORRAL COSTANERO

JONATHAN GUNTHER & SCOTT JENNINGS  
PRBO Conservation Science  
3820 Cypress Drive #11  
Petaluma CA 94954

**Location:** California; Marin Co.; Bolinas; Palomar Field Station; 37°55'N, 122°45'W; Bolinas Quadrangle, USGS. **Continuity:** Established 1971; 33 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 on the plot. This process occurs relatively uniformly across the entire plot. **Weather:** Mean start temp., 13.0°C (range 8–23°C). The bioyear rainfall total (1 July 2006–30 June 2007) was 595.7 mm. The 1976–2007 mean bioyear rainfall was 869.2 mm. The breeding season rainfall (1 April–31 July) was 79.5 mm. **Coverage:** 168.9 h; 57 visits (12 sunrise, 0 sunset). 2007. **Census:** Wrentit, 9.5 (47; 9N,28FL); Bewick's Wren, 6.0 (30); Wilson's Warbler, 4.5 (22); Spotted Towhee, 3.5 (17; 4N,7FL); Orange-crowned Warbler, 3.0 (15); Anna's Hummingbird, 2.5; Swainson's Thrush, 2.5; Bushtit, 2.0; Purple Finch, 1.5; Hutton's Vireo, 1.0; Chestnut-backed Chickadee, 1.0; White-crowned Sparrow, 1.0 (1N,4FL); Steller's Jay, 0.5; American Robin, 0.5; Dark-eyed Junco, 0.5; Red-tailed Hawk, +; Northern Flicker,

+; Western Scrub-Jay, + (1N,3FL); Golden-crowned Kinglet, +; Song Sparrow, +. **Total:** 20 species; 39.5 territories (195/40 ha). **Visitors:** None listed. **Remarks:** The total number of territories (39.5) was down 8% from 2006 (43.0). Minor declines in the densities of several species were responsible for the overall decline, which was observed despite some notable increases in a couple of species. Wilson's Warbler increased from 1.5 to 4.5 territories, and Swainson's Thrush increased from 1.0 to 2.5 territories. Band-tailed Pigeon and Mourning Dove were present in 2006 but not in 2007. **Acknowledgments:** We thank the Point Reyes National Seashore for their cooperation. This is PRBO contribution No. 1758.

## 21. DISTURBED COASTAL SCRUB A MATORRAL PERTURBADO A

SCOTT JENNINGS & ELIZABETH PORZIG  
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; 33 yr. **Size:** 4.7 ha. **Description of Plot:** See *Am. Birds* 26:987-988 (1972). Succession from coastal scrub to Douglas-fir (*Pseudotsuga menziesii*) forest continues across most areas of the plot. Forest is progressing across the plot roughly from northeast to southwest. **Weather:** Mean start temp., 13.0°C (range 8-23°C). The bioyear rainfall total (1 July 2006-30 June 2007) was 595.7 mm. The 1976-2007 mean bioyear rainfall was 869.2 mm. The breeding season rainfall (1 April-31 July) was 79.5 mm. **Coverage:** 216.0 h; 80 visits (32 sunrise, 0 sunset). 2007. **Census:** Wrentit, 7.5 (64; 11N,28FL); Song Sparrow, 4.0 (34; 5N,12FL); Bewick's Wren, 3.0 (26); Wilson's Warbler, 3.0; Spotted Towhee, 3.0 (3N,4FL); Anna's Hummingbird, 2.5; Swainson's Thrush, 2.0; California Quail, 1.5; Orange-crowned Warbler, 1.5; Purple Finch, 1.5; American Goldfinch, 1.5 (1N); Allen's Hummingbird, 1.0; Steller's Jay, 1.0; Chestnut-backed Chickadee, 1.0; Golden-crowned Kinglet, 1.0; Band-tailed Pigeon, 0.5; Mourning Dove, 0.5; Northern Flicker, 0.5; Hutton's Vireo, 0.5; Bushtit, 0.5; American Robin, 0.5; Red-tailed Hawk, +; Downy Woodpecker, +; Pacific-slope Flycatcher, +; Warbling Vireo, +; Western Scrub-Jay, +; Dark-eyed Junco, +; Brown-headed Cowbird, +. **Total:** 28 species; 38.0 territories (323/40 ha). **Visitors:** None listed. **Remarks:** Two observers worked separately to monitor the plot this year. Total visits and number of hours spent censusing were summed for both observers, thus these numbers are higher than in recent years. The total number of territories increased 17% from 32.5 in 2006 to 38.0 this year. This increase appears to be the result of minor

increases in the densities of the majority of species present on the plot; no species showed a large change in density. European Starling, California Towhee, and House Finch were observed in 2006 but not in 2007. None of these species showed numbers greater than 0.5 territories in 2006, however. **Acknowledgments:** We thank the Point Reyes National Seashore for their cooperation. This is PRBO contribution No. 1756.

## 22. DISTURBED COASTAL SCRUB B MATORRAL PERTURBADO B

IRENE KOULOURIS & 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; 33 yr. **Size:** 8.1 ha. **Description of Plot:** See *Am. Birds* 25:1002-1003 (1971) and *J. Field Ornithol.* 66(Suppl.):104 (1995). The plant community continues to change from coastal scrub to Douglas-fir (*Pseudotsuga menziesii*) forest. This succession is progressing generally from east to west across the plot. The western portion of the plot is largely coastal scrub with isolated stands of trees; the eastern portion is primarily dense fir forest ranging from 6-10 m high with scattered patches of grass and coastal scrub. **Weather:** Mean start temp., 13.0°C (range 8-23°C). The bioyear rainfall total (1 July 2006-30 June 2007) was 595.7 mm. The 1976-2007 mean bioyear rainfall was 869.2 mm. The breeding season rainfall (1 April-31 July) was 79.5 mm. **Coverage:** 152.2 h; 64 visits (16 sunrise, 0 sunset). 2007. **Census:** Wrentit, 8.0 (40; 5N,5FL); Song Sparrow, 7.5 (37; 7N,21FL); Swainson's Thrush, 4.5 (22); Winter Wren, 4.0 (20); Wilson's Warbler, 4.0; Bewick's Wren, 2.5; American Goldfinch, 2.5 (7N); Anna's Hummingbird, 2.0; Orange-crowned Warbler, 2.0; Purple Finch, 2.0; Spotted Towhee, 1.5; Hutton's Vireo, 0.5; Western Scrub-Jay, 0.5; Chestnut-backed Chickadee, 0.5; Bushtit, 0.5; American Robin, 0.5; Red-tailed Hawk, +; Mourning Dove, +; Northern Flicker, +; Warbling Vireo, +; Steller's Jay, +; Golden-crowned Kinglet, +; California Towhee, +; Brown-headed Cowbird, +. **Total:** 24 species; 43.0 territories (212/40 ha). **Visitors:** None listed. **Remarks:** The total number of territories decreased 18% from 52.5 in 2006 to 43.0 this year. The majority of species showed moderate decreases in density of 20-50%. Wilson's Warbler and Swainson's Thrush both increased in density, however, and Western Scrub-Jay and Anna's Hummingbird remained constant. California Quail, Olive-sided Flycatcher, and Allen's Hummingbird were present in 2006 but not in 2007. **Acknowledgments:** We thank the Point Reyes National Seashore for their cooperation. This is PRBO contribution No. 1757.