

early Jun, only 2nd record there. Rose-breasted Grosbeaks; not so many reports as usual of families and immatures at end of breeding season, some years very conspicuous. American Goldfinch: very abundant. Grasshopper Sparrow: called plentiful at Elmira, few reports elsewhere. Henslow's Sparrow: scarcer everywhere than in past years.

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REGION 4 — SUSQUEHANNA

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Temperatures averaged close to normal all summer with few really hot days. June brought twice the normal precipitation, some rain falling almost every day from June 10 to July 6. But July, on average, was almost as dry as June was wet.

Again the breeding bird surveys run for the Fish and Wildlife Service provided much of the significant data collected during the summer. Species by species composite results of five of the individual surveys are provided below in the following format: (total individuals—number of surveys recording the species). Three of these five surveys were run June 15, one June 23 and one June 30. At least two other survey routes were run in the Region but species by species totals were not available from them.

Counts of Yellow-throated and Warbling Vireos while canoeing down the Chenango River provide an interesting, although far from surprising, contrast with the breeding bird survey results. The higher numbers along the river clearly result from the high proportion of suitable habitat as compared to the random sampling of habitats on the surveys. Both techniques provide valuable information, but they should not be confused.

Summering Myrtle Warblers and White-throated Sparrows were reported in increased numbers, the former with evidence suggesting breeding. Unprecedented summer time northerners were a Cape May and a Bay-breasted Warbler. Other more normal northerners were Golden-crowned Kinglets, an Olive-sided Flycatcher, Red-breasted Nuthatches and Common Mergansers. A few Mockingbirds and an increased number of Turkey Vultures represented the south. Rarities included a Long-eared Owl and a Short-billed Marsh Wren. Screech Owls continue to increase.

Abbreviations used: BBS—Breeding Bird Survey; Bing—Binghamton; CC—Chocanut Center; Chen—Chenango; Pep Res—Pepacton Reservoir.

Observers' initials: LB—L. Bemont; GC—G. Corderman; WC—W. Corderman; MC—M. Cubberly; A,MD—A. & M. Davis; C,JD—C. & J. Davis; CG—C. Gerould; CGo—C. Gottschall; CH—C. Howard; VH—V. Hudson; EK—E. Kirch; PK—P. Kalka; ML—M. Lynch; D,ML—D. & M. Lynch; HM—H. Marsi; JN—J. New; RP—R. Pantle; R,MS—R. & M. Sheffield; AS—A. Stratton; E,NW—E. & N. Washburn; MW—M. White; R,SW—R. & S. White; BW—B. Williams; RW—R. Williams; S,JW—S. & J. Wilson.

LOONS—DUCKS: Common Loon: four sightings on Pep Res during Jun and Jul, all in imm plumage (MC). Pied-billed Grebe: Jul 20 Owego (J. Shuler), the only summer record. Great Blue Heron: (1-1); 22 nests, approx. two young per nest, at Berkshire (ML); a heronry near Brisben occupied, but no count (S. + H. Hayes); "at least one" active nest at Andes (MC); Colchester and MacDonough heronries not visited; numerous scattered reports. Green Heron: (1-1). Canada Goose: (2-1), Oxford BBS (HM,CGo) Jun 15; also reported at Berkshire and Owego. Mallard: (1-1). Blue-winged Teal: two Jun 15 Brisben (R,MS); adult with six young at Spencer Marsh during Jun (RW). Wood Duck: quite a few broods re-

ported in Jun and Jul. Common Merganser: "a few all period" Pep Res (MC) as for the last few years.

HAWKS—OWLS: Turkey Vulture: (1-1) Jun 15 Corbettsville BBS (PK); six in one group Jun 22 Pep Res (MC)—"more common than usual"; also reported in Chen Co, Berkshire, Deposit, CC, and Chen Forks. Goshawk: young still in nest at Deposit Jun 10—young not seen but both adults in area Jun 30 (S,JW); Jun 3, 5 and 6 near Oneonta (JN). Cooper's Hawk: three summer reports. Red-tailed Hawk: (3-1). Red-shouldered Hawk: a nesting pair at Candor (D. Weber), but no other summer records. Broad-winged Hawk: (3-1); at least ten reports—apparently our most common buteo this summer. Bald Eagle: an adult Jun 25 Deposit (S,JW); an adult Jul 22, 28 and Aug 4 Pep Res (MC); one at East Homer Aug 2 (F. Mules). Marsh Hawk: Jul 28 Berkshire (D,ML), the only summer report. Osprey: Jul 29 Berkshire (D,ML), almost never reported from the Region during the summer. Sparrow Hawk: (11-4). Ruffed Grouse: (1-1). Bobwhite: (3-2). Ring-necked Pheasant: (5-2). Turkey: reported from Berkshire during period (D,ML). Killdeer: (22-3). Am. Woodcock: (9-1). Common Snipe: Jul 13 Sherburne (R,SW); infrequently reported in summer although almost certainly a regular breeder in the Region. Spotted Sandpiper: (2-2); Jul 6, 23 counted while canoeing from Norwich to Oxford (R,MS). Solitary Sandpiper: Jul 19, Norwich (R,SW). Black Tern: Jul 7 Owego (B. Hewlett, MW,CG); also an imm Aug 8, Owego. Rock Dove: (26-3). Mourning Dove: (12-3). Yellow-billed Cuckoo: (4-2). Black-billed Cuckoo: (10-4). Barn Owl: Aug 3 Oxford (AS). Screech Owl: heard fairly regularly at CC (R,MS), Chen Forks (A,MD) and Vestal (E,NW) in late Jul and the first half of Aug; also reported from Owego. Horned Owl: hunger call of young "heard every night," Andes (MC). Barred Owl: observed several times during period just south of Bing, as for the past year (GC,WC,EK); an adult with two young in Jun at Tioga Center (RW,BW). Long-eared Owl: tape recording made of bird that called frequently from roof of house and utility poles in yard most of summer in semi-rural surroundings near Hinman's Corners north of Bing (R. Saunders).

GOATSUCKERS—STARLING: Chimney Swift: (48-4); flock of about 200 over Bing Jul 23 (R,MS). Ruby-throated Hummingbird: not many reports. Belted Kingfisher: (3-1). Yellow-shafted Flicker: (64-4). Pileated Woodpecker: (1-1). Red-headed Woodpecker: one Jul 19 Sherburne (R,SW); one Aug 1 Nichols (VH); Aug 8, Hartwick Seminary at Oneonta (JN). Yellow-bellied Sapsucker: (2-2); two pairs Tioga Center (RW,MW). Hairy Woodpecker: (3-3). Downy Woodpecker: (12-5). Eastern Kingbird: (16-4). Great Crested Flycatcher: (15-5). Eastern Phoebe: (42-5). Traill's Flycatcher: (10-2); six other records, all in Broome and Tioga Cos. Least Flycatcher: (35-5). Eastern Wood Pewee: (20-5). Olive-sided Flycatcher: Jun 25 Berkshire (D,ML). Tree Swallow: (22-4); 29 pair nesting at Greene (C,JD) and 12 pair at Andes (MC). Bank Swallow: (3-2). Barn Swallow: (85-4). Cliff Swallow: "a nice increase, we had 40 pair," Greene (C,JD). Purple Martin: (1-1).

Blue Jay: (67-5). Common Crow: (114-5). Black-capped Chickadee: (39-5). White-breasted Nuthatch: (9-3). Red-breasted Nuthatch: (2-2); eight Jul 4, Pharsalia (R,SW), adults and family. Brown Creeper: (4-2). House Wren: (38-5); "very plentiful—about 20 pair," Greene (C,JD); 16 pair, Andes (MC). Winter Wren: one singing at Andes Jun 11 (MC), but not since or anywhere else. Carolina Wren: a pair "nested" at Owego (MW), no details; present for about a week in late Jul at Vestal (M. Kiley). Long-billed Marsh Wren: nine Jul 13, Sherburne (R,SW), "more than usual." Short-billed Marsh Wren: from Jul 5 to the end of the period, singing incessantly, day and night, for the first two weeks, at Candor (RP)—in a weedy field with no apparent damp area, but about 200 feet from a pond—observed many times from within 15 feet—streaked crown, buffy underparts and tail nearly

touching head while singing noted—write up on file. Mockingbird: (1-1), Lisle BBS (RP); last report at Oxford Jun 1 (AS); three young and two adults Jun 1 (R,MS); Jun 13 to end of period, Nichols (VH). Catbird: (59-5). Brown Thrasher: (17-5). Robin: (375-5). Wood Thrush: (77-5). Hermit Thrush: (8-4); in Candor area in good numbers on higher hills—June 21 singing in at least five locations—one nest, on ground in patch of low huckleberry bushes, at about 1600 foot elevation (D. Weber). Swainson's Thrush: heard singing Jun 9 and Jul 4 and 21 at Pharsalia (R,SW). Veery: (73-5). Eastern Bluebird. (2-2). Blue-gray Gnatcatcher: Jul 24 Owego (MW,CG). Golden-crowned Kinglet: singing at Pharsalia Jul 4 and 21 (R,SW). Ruby-crowned Kinglet: Aug 11 Chen Forks (A,MD), very early. Cedar Waxwing: (22-4). Starling: (669-5).

VIREOS—WARBLERS: Yellow-throated Vireo: (7-2); ten Jul 6 along Chen R, Norwich to Oxford (R,MS). Solitary Vireo: (1-1), Coventryville BBS (LB). Red-eyed Vireo: (57-5). Warbling Vireo: (11-4); along Chen R, 23 Jun 29 Oxford to Brisben and 15 Jul 6 Norwich to Oxford (R,MS).

Warblers: Black-and-white: (10-4). Golden-winged: (2-1); spotty distribution in Broome and Tioga Counties, but not uncommon. Brewster's: Jun 10 Oneonta (JN). Blue-winged: (1-1), Corbetsville BBS (PK); more reports than in recent years. Yellow: (57-5); along Chen R, 13 Jun 29 Oxford to Brisben and 12 Jul 6 Norwich to Oxford. Magnolia: (1-1), Oxford BBS (HM,CGO). **CAPE MAY:** (1-1), McDonough BBS (CH). Black-throated Blue: (1-1), Jun 30 Coventryville BBS (LB); no others. Myrtle: (1-1), Jun 15 Oxford BBS (HM,CGO); Jun 23 Windsor one catching "huge fat green worms and carrying them off—would sing with bill full" (R,MS); two heard at Pharsalia Jul 4 (R,SW); with two other reports, the most ever during the summer. Black-throated Green: (10-4); 24 singing at Pharsalia Jul 4 (R,SW). Black-burnian: (1-1), Coventryville BBS; three heard and seen at Pharsalia Jul 4. Chestnut-sided: (42-5). **BAY-BREASTED:** (1-1), McDonough BBS (CH). Blackpoll: Jun 1 Whitney Pt, "lots all over" (M. Sheffield), the last of the spring migrants. Prairie: at Vestal Center almost daily through Jun 16, then less frequently until Jul 15—feeding young Jul 5 (E,NW). Ovenbird: (27-4); some observers felt numbers were down. Northern Waterthrush: (1-1); three other reports. Louisiana Waterthrush: (1-1); two other reports. Mourning Warbler: one Jun 9 and two Jul 4 Pharsalia (R,SW); Jun 30 Nichols (VH). Yellowthroat: (96-5). Yellow-breasted Chat: (1-1), Corbetsville BBS (PK), the only report all summer. Wilson's Warbler: Aug 8 Nichols (VH), early. Canada Warbler: (2-2). American Redstart: (32-4).

BLACKBIRDS—SPARROWS: House Sparrow: (132-4), total inadvertently omitted from the fifth BBS. Bobolink: (102-5). Eastern Meadowlark: (146-5). Red-winged Blackbird: (835-5). Baltimore Oriole: (40-4). Common Grackle: (141-5). Brown-headed Cowbird: (76-5). Scarlet Tanager: (37-5). Cardinal: (12-3). Rose-breasted Grosbeak. (28-5). Indigo Bunting: (31-5). Purple Finch: (16-4). American Goldfinch: (131-5). Rufous-sided Towhee: Aug 14, a pair with one chick still in the nest at Deposit (S,JW). Savannah Sparrow: (40-5). Grasshopper Sparrow: (13-3). Henslow's Sparrow; Vestal Center BBS (E,NW) and six other reports. Vesper Sparrow: (11-3). Slate-colored Junco: (9-3); a report from Tioga Co of eight birds singing and "positive nesting" of two pairs (see Field Note); ten Jul 4 and six Jul 21 seen at Pharsalia (R,SW); found nesting at Scott, Cortland Co, Jun 10 (J. Osadchey, J. A. Gustafson); several other reports. Chipping Sparrow: (100-5). Field Sparrow: (101-5). White-throated Sparrow: (25-3); one singing from a Chen R island above Brisben Jun 29 (R,MS); 14 Jul 4 and ten Jul 21 at Pharsalia (R,SW); three or more at Colesville, Broome Co, Jul 7 (LB). Swamp Sparrow: (5-2). Song Sparrow: (244-5).

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