

METOLIUS PRESERVE AVIAN MONITORING PROJECT

2008 POINT-COUNT DATA SUMMARY

*by Stephen Shunk, The Nature Business LLC
for East Cascades Bird Conservancy and Deschutes Land Trust*

The return of a singing Veery and the addition of four new species to the study list highlighted the 2008 breeding season on the Metolius Preserve. In five years of point-count surveys, 69 species have been detected at 31 survey stations distributed evenly across the 1,240-acre property southwest of Camp Sherman. The 51 species detected in 2008 fell just above the five-year average of 50.8 species, and 617 total detections topped the average of 569.4 detections over five years. At the close of the 2008 season, 37 species remain on the list of annual detections.

A single Veery was heard singing along the middle fork of Lake Creek, less than half a stream-mile from where the creek enters the property at the western boundary. Veery has been heard four of the five study-years. During the Oregon Breeding Bird Atlas Project, 1994-1999, Veery was not confirmed nesting outside Northeast Oregon, although the species is typically heard singing annually in the western Ochoco Mountains. Veery has also been reported singing nearly annually over the last three years at Black Butte Swamp, approximately five miles south and three miles east of the Metolius Preserve. These observations from the Preserve and Swamp may represent the westernmost breeding records in the United States.

New species detected in 2008 included a Chestnut-backed Chickadee found in the southeast corner of the north parcel of the preserve, representing one of the easternmost records for the species in the Oregon Cascades. This chickadee species has been observed on the preserve before, less than a mile west of the location where it was detected this summer. Also new for the study, and probably overdue, was a Downy Woodpecker found along the middle fork of Lake Creek, near the eastern preserve boundary. Two Osprey represented firsts for the study, with an adult and probable juvenile flying and calling over the west parcel of the preserve. Hermit Warbler was finally added to the official study list, due to a close visual observation along the north fork of Lake Creek. Most warblers believed to be Hermits are documented as "HETO" warblers, since Hermit (HE) and Townsend's (TO) Warblers hybridize rather frequently in the region, making aural identification extremely problematic.

White-breasted Nuthatch, White-crowned Sparrow, and Common Nighthawk were not detected during the 2008 surveys, although two nighthawks were observed calling and flying at close range en route to station 0101. This is the first of five years during which these three species have been missed. Other notable misses included Mourning Dove, Common Yellowthroat, and Tree Swallow.

The most notable all-time high numbers included Mountain Chickadee (50 detections), Chipping Sparrow (50 det.), and Hammond's Flycatcher (37 det.); these counts come in at 26.9 percent, 47.9 percent, and 74.5 percent, respectively, above the five-year averages for these species. Notable all-time lows included American Robin (6 det., 57.7 percent below avg.); Olive-sided Flycatcher (8 det., 40.3 percent); Hairy Woodpecker (7 det., 44.4 percent); Brown-headed Cowbird (4 det., 52.4 percent); Western Wood-Pewee (3 det., 68.8 percent); Cassin's Vireo (2 det., 76.2 percent); and Northern Flicker (1 det., 84.4 percent). White-headed Woodpecker and Williamson's and Red-breasted Sapsucker detections also fell below average in 2008.

Metolius Preserve Avian Monitoring Project
2008 Data Summary, Page 2

2008 DETECTIONS BY ROUTE														
	1	2	3	4	TOTAL		1	2	3	4	TOTAL			
AMRO	3	3	0	0	6	NOFL	0	1	0	0	1			
BHCO	1	3	0	0	4	OSFL	3	3	2	0	8			
BHGR	4	7	4	0	15	OSPR	0	0	2	0	2			
BRBL	1	0	0	1	2	PISI	9	8	6	5	28			
BRCR	2	2	0	0	4	PIWO	1	3	1	0	5			
CAFI	0	1	0	0	1	PSFL	1	0	0	0	1			
CAVI	0	0	1	1	2	PUFI	2	0	1	0	3			
CBCH	0	1	0	0	1	PYNU	0	2	2	0	4			
CHSP	17	11	9	13	50	RBNU	6	6	7	10	29			
CORA	0	0	2	1	3	RBSA	0	2	0	0	2			
DEJU	8	9	4	9	30	RECR	4	10	6	4	24			
DOWO	0	2	0	0	2	RTHA	0	6	0	0	6			
DUFL	3	0	9	12	24	SOSP	2	4	0	0	6			
EVGR	3	0	4	0	7	STJA	1	11	5	1	18			
FOSP	0	0	0	1	1	SWTH	0	6	3	0	9			
GCKI	0	1	1	0	2	TOSO	2	0	2	6	10			
GRFL	2	0	0	0	2	UNBI	3	3	0	0	6			
GTTO	0	0	0	2	2	UNSA	1	0	0	0	1			
HAFL	8	8	10	11	37	UNSP	0	2	0	0	2			
HAWO	2	4	0	1	7	UNWO	1	2	1	3	7			
HETH	2	2	3	1	8	VEER	0	1	0	0	1			
HETO	1	12	5	0	18	WAVI	1	14	0	3	18			
HEWA	0	1	0	0	1	WEBL	0	4	0	0	4			
HOWR	0	10	0	0	10	WETA	2	8	8	10	28			
MGWA	2	12	0	0	14	WEWP	0	3	0	0	3			
MOCH	17	12	8	13	50	WHWO	2	4	0	0	6			
NAWA	0	0	2	0	2	WISA	1	2	0	1	4			
						YRWA	17	16	24	19	76			
2008 TOTAL SPECIES DETECTED:											48			
TOTAL STATIONS WHERE DETECTED														
YRWA	30				MGWA	9			RTHA		4		CAFI	1
CHSP	27				TOSO	9			WHWO		4		CBCH	1
MOCH	26				EVGR	7			BRCR		3		DOWO	1
HAFL	21				HAWO	7			CORA		3		FOSP	1
RBNU	21				HETH	6			NAWA		3		GTTO	1
PISI	20				OSFL	6			PYNU		3		HEWA	1
DEJU	19				SOSP	6			WEBL		3		NOFL	1
WETA	19				UNWO	6			WISA		3		OSPR	1
HETO	14				AMRO	5			CAVI		2		PSFL	1
DUFL	13				HOWR	5			GCKI		2		RBSA	1
STJA	13				PIWO	5			GRFL		2		UNSA	1
BHGR	12				SWTH	5			PUFI		2		UNSP	1
RECR	11				UNBI	5			WEWP		2		VEER	1
WAVI	11				BHCO	4			BRBL		1			

Metolius Preserve Avian Monitoring Project
2008 Data Summary, Page 3

DETECTIONS BY ROUTE WITH ANNUAL TOTALS OVER FIVE YEARS																				ANNUAL DETECTIONS: Sorted by 5-year total												
	R1	R2	R3	R4	2004	R1	R2	R3	R4	2005	R1	R2	R3	R4	2006	R1	R2	R3	R4	2007	R1	R2	R3	R4	2008	2004	2005	2006	2007	2008	TOTAL	AVG
AMRO	5	5	6	4	20	6	4		1	11	8	7		1	16	7	7	1	3	18	3	3				30	30	79	65	76	280	56.00
BHCO	2	4	2	2	10	2	6	1	2	11	3	2	2	2	9		6			2	8	1	3			28	31	40	48	50	197	39.40
BHGR	1	6			7		4			4	6	10		1	17		6			6	4	7	4			25	17	40	37	50	169	33.80
BRBL											1			1	2	1				1	2	1		1	2	25	26	28	34	28	141	28.20
BRCR								1		1		1		1	1	1	2			3	2	2			26	23	21	39	29	138	27.60	
CAFI	3	1			4	2		1		3		5	2		7	2		1	3	6		1			25	15	33	29	30	132	26.40	
CAGO									1	1															24	10	6	68	24	132	26.40	
CAVI	1		3	7	11			6	4	10	1	1	4	7	13			2	4	6			1	1	1	12	14	21	22	37	106	21.20
CBCH																							1			21	15	13	26	28	103	20.60
CHSP	7	6	6	6	25	7	4	1	5	17	13	9	6	12	40	11	10	9	7	37	17	11	9	13	15	12	17	17	24	85	17.00	
CLNU							1	1	1	3															20	11	16	18	6	71	14.20	
CONI		1	1		2	1				1	2			2	4					1	1				14	13	12	20	8	67	13.40	
CORA	4	1	2		7				1	1				1	1			1	1	2			2	1	3	11	9	16	10	18	64	12.80
COYE								1		1		2	1		3										9	10	16	21	7	63	12.60	
DEJU	6	7	6	6	25	2	7	6		15	7	10	9	7	33	8	6	5	10	29	8	9	4	9	30	7	12	13	13	18	63	12.60
DOWO																						2				8	9	14	13	14	58	11.60
DUFL	4	4	1	6	15	3		3	6	12	3		2	12	17	1		3	13	17	3		9	12	10	10	19	8	55	11.00		
EVGR	1				1	1				1	1				1						3		4		7	8	13	14		18	53	13.25
FOSP				1	1	1			2	3									1	1				1	1	9	10	17	5	10	51	10.20
GBHE							1			1															7	4	17	6	15	49	9.80	
GCKI	2	1	1	1	5			1		1		2	1		3		2	1		3		1	1		10	10	13	12	3	48	9.60	
GHOW												1			1										10	11	9	8	4	42	8.40	
GRFL	4			1	5	4				4	6				6	1				1	2				11	10	13	6	2	42	8.40	
GRAJ	1				1																				7	1	10	18	5	41	8.20	
GTTO						1				1														2	2	11	7	10	7	6	41	8.20
HAFL	2	4	6		12	4	3	5	2	14	6	1	11	3	21	5	4	11	2	22	8	8	10	11	37	8	4	7	9	10	38	7.60
HAWO	1	3	2	3	9	4	4	1	1	10	10	4	2		16	8	6	4	3	21	2	4		1	7	9	6	5	7	9	36	7.20
HETH	3	1	1	5	10	1		4	5	10	3	2	7	7	19	5		2	1	8	2	2	3	1	8	7	8	2	14	1	32	6.40
HETO	2	1	5		8	1	6	6		13		6	8		14						1	12	5		18	6	5	6	7	7	31	6.20
HEWA		3	1		4																				6	5	6	7	7	7	31	6.20
HOWR	3	6			9	4	6			10	7	10			17		5			5		10			10	3	7	2	15	1	28	5.60
MALL							1			1															6	2	6	9	4	27	5.40	
MGWA	1	6	1		8	2	6	1		9	1	9	3	1	14	4	8		1	13	2	12			4	3	6	10	4	27	5.40	
MOCH	8	7	6	7	28	8	8	8	7	31	17	10	5	8	40	10	15	6	17	48	17	12	8	13	50	1	3	5	7	6	22	4.40
MODO	2		1		3												1		1	2					4	3	7	6	1	21	4.20	
NAWA	1			1	1	1	3	1		5		2			2					1			2	2	2	1	3	6	10	4	27	5.40
NOFL	2	5			7	3	5			8	1	1			2	8	5		1	14		1			1	3	5	7	6	22	4.40	
OCWA															1					1					4	3	7	6	1	21	4.20	
OSFL	6	8			14	6	5		2	13	4	4	1	3	12	4	13		3	20	3	3	2		8	7	1	1	2	3	14	2.80
OSPR																									2	2	6	4	2	13	2.60	
PISI	8	6	4	3	21	6	5	2	2	15	6	3	4		13	13	7	3	3	26	9	8	6	5	28	2	3	2	4	2	13	2.60
PIWO	3	4			7	1				1	6	2	2		10	8	8	2		18	1	3	1		5	1	1	1	10	1	3.25	
PSFL				1	1						1	1			2						1				1	5	4		4	13	4.33	
PUIF												1	1	1	2	1	1	3		5	2		1	3	3	1	5	2	11	2.20		
PYNU	2	3		1	6		2			2	2	3		1	6	7	1		1	9		2	2	4	4	1	3	5	2	11	2.20	
RBNU	7	8	8	3	26	5	6	7	5	23	8	6	6	1	21	9	8	11	11	39	6	6	7	10	29	4	3	3	1	11	2.75	
RBSA	2				2	2	1	2		3		2			2	2	1		1	4					6	4	3	3	3	1	11	2.75
RECR	6	7	6	5	24	2	4	4	2	10	2		2	2	6	24	24	12	8	68	4	10	6	4	24	6	7	6	5	24	4.80	
RTHA	1	2			3	1	3			4	3				3		1			1		6			6	4	3	3	1	10	3.33	
RUHU	1	1			2																					1	1	3	4	9	9	2.25
SOGR																	2			2						2	1	4	1		8	2.00
SOSP		4	2		6	1	3			4	5				5	2	5			7	2	4			6	4	2	2	2	6	2.00	
SPTO																				1	1					1	3		1	1	6	1.50
STJA	3	3	1		7	4	8			12	7	6			13	4	7	2		13	1	11	5	1	18	4			1	5	2.50	
SWTH	2	7			9		6			6		5			5	1	6			7		6	3		9	3	2	2	2	5	2.50	
TOSO	3	1	2	2	8	1	1	2	4	1	1	1	4	7	1			5	3	9	2		2	6	10	3	1	3	4	2.00		
TRES	1	1			2		1	1		2																1	2			1	4	1.33
UNAC			1		1	1				1								1		1						2	2			4	2.00	
UNBI	1				1	2	1			3	2	3			5	5		2		7	3	3			6	3	3			3	3.00	
UNEM													1	1												1	1		2	3	1.50	
UNFI			1		1															2	2					1	1			3	1.00	
UNNU							1			1																1	1		2		3	1.50
UNSA	3				3	4	3			7	2				2	2	13			15	1				1	2				2	2.00	
UNSP						1				1	2	1			3	4		1		5		2			2	2	2	2	2	2	2.00	
UNSW							1			1																	2				2	2.00
UNWA		1			1		1			1		1			1	1	4	4	1	10						1	2	1	3	7	2.00	
UNWO	5	1			6	3	1		1	5	5																					

