Birds in the Saginaw Bay Area Dec 1st, 2009 thru Feb 28th, 2010

- Compiled by: David Peters U.S. Fish & Wildlife Service 6975 Mower Rd. Saginaw, MI 48601 david_peters@fws.gov
- Summary: A total of 114 species from the Michigan Bird List were reported from the Saginaw Bay Area this winter. The average for the previous twenty years is 106. Observer effort was adequate, with all seven counties receiving at least some coverage by the current cadre of contributors. Coverage within each county was not always widespread, in some cases limited to two or three locations. While the period was generally lacking in sporadic / periodic winter visitors, there were a fair number of stragglers observed. These included the first ever Saginaw Bay Area winter record for American Woodcock, and the second ever December Wood Thrush. Overwintering was recorded for a number of species that do so only on rare occasions. This list included Gadwall, Brown Thrasher, Hermit Thrush, Yellow-rumped Warbler, White-crowned Sparrow, and for the first time ever, Marsh Wren. There were no records of early spring arrivals reported.
- Weather: December weather was normal this year, both in terms of temperature and snowfall, although rainfall was below normal. This trend continued in January, and although temperatures fluctuated quite a bit throughout this month, they averaged out as normal. In stark contrast to the previous two winters, snowfall in January was slightly below normal. The National Weather Service's outlook for the winter predicted it would be back-end loaded in terms of snowfall, and they were correct. February snow was well above normal, in some locations equaling that of the previous two months combined. Temperatures for the month were normal, but, unlike December, there was exceptionally low variability, with five degrees or less departure from normal on all but roughly five days.

(Weather is based upon the best available data from NOAA, which is for Saginaw MBS. While generally applicable to the greater SBA, conditions in the northern and lakeshore portions of the area may have varied to some extent.)

This report, as well as previous seasonal reports from 2000-2009, can be found at http://www.saginawbaybirding.org., along with updates on spring 2010 migration in the Saginaw Bay Area, as reported to Joe Soehnel at soehnelj@gmail.com or at 989-892-3687.

Many thanks to all observers who contributed their sightings directly to this compilation. Your extra efforts result in a significantly more accurate and thorough report. Additional thanks to Joe Soehnel for his ongoing input.



Rough-legged Hawk by: Doug Jackson 2/1/10 at Sterling, Ar

Species	Number	Date	Location	Observers / Comment
SNOW GOOSE:	2	12/2	SNWR, Sa	DJP
CACKLING GOOSE:	3	12/17	north of White Rock, Hu	JEV
	1	12/20	MCV Ponds, Mi	MKE - 1 st Mi record
	1	12/23	SNWR, Sa	DJP
CANADA GOOSE:	5512	12/4	SNWR, Sa	DEP - also noted in Hu,Mi,Tu
	2800	12/13	Middlegrounds, Ba	LD
MUTE SWAN:	90	12/5	BCSRA, Ba	JZ - also noted in Hu,Io,Mi,Sa
TRUMPETER SWAN:	2 7	12/2 12/6 - 1/10	SNWR, Sa Cooke Dam area, Io	DJP WWS
	11	1/18	Westgate, lo	JMS,DJP
	38	2/7	Cooke Dam area, lo	WWS
	89	2/12	Cooke Dam area, lo	WWS - peak count
	6	2/14	Harbor Beach, Hu	MKE
TUNDRA SWAN:	427	12/2	SNWR, Sa	DJP - peak count
	4	2/15	Harbor Beach, Hu	MW,DD - also noted in Ba,Tu
WOOD DUCK:	1	1/25	Moffat Twp., Ar	DLJ - also noted in Io
GADWALL:	17	12/9	Dow Ponds, Mi	MKE - also noted in Ba,Sa
	2	1/31	Dow Ponds, Mi	RD - noted here tp (MKE)
AMERICAN WIGEON:	1	1/2	AuSable River mouth, lo	DLJ
AMERICAN BLACK DUCK:	53	12/2	SNWR, Sa	DJP - also noted in Ba,Mi
	29	2/26	Cooke Dam area, Io	WWS
MALLARD:	3569	12/10	SNWR, Sa	DEP - peak count
	~200	12/18	Sanford Lake, Mi	JAD - also noted in Ba,Hu
NORTHERN SHOVELER:	191	12/2	SNWR, Sa	DJP - peak count
	2	1/31	Dow Ponds. Mi	RD
NORTHERN PINTAIL:	3	12/2	SNWR, Sa	DJP
	2	2/26	Cooke Dam area, Io	WWS
GREEN-WINGED TEAL:	29	12/2	SNWR, Sa	DJP
	1	12/8	SNWR, Sa	SFK
CANVASBACK:	3	12/2	SNWR, Sa	DJP
	1	1/18	AuSable River mouth, Io	JMS,DJP
	2	1/30	Harbor Beacxh, Hu	SG
REDHEAD:	665	2/12	Tawas Bay, Io	RAE - also noted in Ba,Mi
	700	2/15	Harbor Beach, Hu	MW,DD
RING-NECKED DUCK:	130	12/2	SNWR, Sa	DJP - also noted in Hu
	75	2/28	Dow Ponds, Mi	RD - also noted here on 2/5(JZ)
GREATER SCAUP:	4	1/2	Karn Plant, Ba	SM - also noted in Hu,Mi
	1	2/12	AuSable River mouth, Io	DLJ
LESSER SCAUP:	1	1/1	Middlegrounds, Ba	GSP,EMP - also noted in Sa
	100+	1/9	Hu	JEV
	6	2/21	Dow Ponds, Mi	JZ

SURF SCOTER:	1	1/9	AuSable River mouth, lo	DLJ
WHITE-WINGED SCOTER:	1	1/2	AuSable River mouth, lo	DLJ - also noted in Hu on 1/9 (JEV)
BLACK SCOTER:	5	12/28	Dow Ponds, Mi	MKE - juvenile age
LONG-TAILED DUCK:	14	1/18	AuSable River mouth, lo	JMS,DJP - also noted in Ba,Hu
	5	2/12	AuSable River mouth, lo	DLJ
BUFFLEHEAD:	30	12/1	Dow Ponds, Mi	MKE - also noted in Ba,Hu,Sa
	8	1/18	AuSable River mouth, Io	JMS,DJP
COMMON GOLDENEYE:	2500+	1/10	Jones Rd., Ba	DLJ - also noted in Hu,Io,Sa
	500	2/21	Dow / MCV Ponds, Mi	MKE
HOODED MERGANSER:	4 12	12/2 12/19 - 1/18	SNWR, Sa Karn Plant, Ba	DJP - also noted in Hu,Mi JZ,SM,JMS,DJP
COMMON MERGANSER:	~1800	12/15	Essexville, Ba	JMS - also noted in Hu,Io,Sa
	300	2/21	Dow / MCV Ponds, Mi	MKE
RED-BREASTED MERGANSER:	5	12/6	East Tawas, lo	DLJ - also noted in Hu,Mi,Sa
	9	1/18	AuSable River mouth, lo	JMS,DJP
RUDDY DUCK:	50+	12/1	Dow Ponds, Mi	MKE - also noted in Sa
	1	12/13	Dow Ponds, Mi	MKE
RING-NECKED PHEASANT:	10	1/13	Dickerson Rd., Tu	JEV - also noted in Ba,Sa
RUFFED GROUSE:	5	1/12	Caro, Tu	MW
	5	2/26	Cooke Dam area, Io	WWS - 3 present here tp
WILD TURKEY:	110	1/22	Meridian & Kent Rds., Mi	RD - peak count
	102	2/4	Cemetery Rd., Tu	JEV - also noted in Ba,Hu,Sa
PIED-BILLED GREBE:	1	12/1 - 12/5	BCSRA, Ba	GSP,JZ - also noted in Mi
	1	12/19	Karn Plant, Ba	JMS,SM - last date
DOUBLE-CRSTD CORMORANT:	10	12/19	Karn Plant, Ba	JZ - also noted in Mi
	1	1/18	Karn Plant, Ba	JMS,DJP
GREAT BLUE HERON:	9	12/2	SNWR, Sa	DJP - also noted in Mi
	1	1/18	Karn Plant, Ba	JMS,DJP
BLK-CROWNED NIGHT- HERON:	4	12/15	Saginaw River, Ba	LD - last date
BALD EAGLE:	3	12/17	Sanford Lake, Mi	JAD - also noted in Ba,Hu,Io,Tu
	17	2/23	SNWR, Sa	DJP - low numbers @ SNWR this winter
NORTHERN HARRIER:	3	2/12	SNWR, Sa	SFK - also noted in Ba,Tu
	2	1/30	Bach, Hu	SG
SHARP-SHINNED HAWK:	1	1/20 - 2/28	Tittabawassee Trail, Mi	MKE - adult male - the observer noted "Making like a flycatcher, swooped out of a tree, rammed into a Blue Jay, grabbed it by its breast, and am sure the Jay never knew what hit 'm. Elapsed time: about 3 sec."
	1	2/2	SNWR, Sa	DJP - an immature female
	2	2/20	Homer Twp., Mi	MKE - also noted in Ar,Tu
	1	2/26	Bangor Twp., Ba	GSP

COOPER'S HAWK:	1 1	12/8 2/19	SNWR, Sa Monitor Twp., Ba	DJP - an adult male JMH - also noted in Mi,Hu,Tu
RED-SHOULDERED HAWK:	1 1	1/17 2/3	Gibson Twp., Ba CNC, MI	GSP,MW KB - an adult, noted here tp per JML - also an immature noted here on 2/5 (AD)
	1 1 2	2/12 2/20 2/21	Deford SGA, Tu Currie Golf Course, Mi Tyler Plains, Ar	JEV MKE DLJ - the observer noted " flying high and very vocal"
RED-TAILED HAWK:	11 5	2/12 2/13	SNWR, Sa Prairie Farm, Sa	SFK - also noted in Ba,Hu,Mi,Tu JDS,JLS - included one dark morph
ROUGH-LEGGED HAWK:	4 4	2/16 2/24	Turner Twp., Ar SNWR, Sa	DLJ - also noted in Hu,Io,Mi,Tu DEP - there was a noticeable increase in RLHA numbers during the last few weeks of the period
GOLDEN EAGLE:	1	1/13	Tittabawassee Trail, Mi	MKE - immature age
AMERICAN KESTREL:	4 5	1/20 1/29	Spaulding Twp., Sa Bradleyville Rd., Tu	DJP - also noted in Ba,Hu,Io,Mi SG
MERLIN:	1 1	12/21 1/1	Fairgrove Twp., Tu Albee Twp., Sa	DD - photographed JDS,JLS
PEREGRINE FALCON:	1 1	12/19 1/1	Karn Plant, Ba Veteran's Memorial Bridge, Bay City, Ba	JMS,SM MKE - juvenile age
AMERICAN COOT:	204 1 2	12/2 12/17 1/18	SNWR, Sa Harbor Beach, Hu Karn Plant, Ba	DJP - peak count JEV JMS,DJP
SANDHILL CRANE:	114 102	12/4 12/5	SNWR, Sa SNWR, Sa	DEP - peak count SFK - last date
AMERICAN WOODCOCK:	1	12/5	BCSRA, Ba	JZ - new SBA fall late date - the observer noted "flushed near beach at rear of bathhouse"
BONAPARTE'S GULL:	300+ 3 3	12/1 12/19 1/28	Dow Ponds, Mi Karn Plant, Ba Hampton Twp., Ba	MKE - also noted in Io JZ - last date DD - 1 adult, 2 immature (1 immature photographed) - new SBA fall late date
RING-BILLED GULL:	100+ 150	12/1 2/21	Dow Ponds, Mi Dow / MCV Ponds, Mi	MKE - also noted in Ba,Sa,Tu MKE - LD,DJP noted very low numbers this winter
HERRING GULL:	161 300	12/5 12/28	SNWR, Sa Dow Ponds, Mi	SFK - also noted in Ba,Hu,Io,Tu MKE - LD,DJP noted very low numbers this winter
ICELAND (KUMLIEN'S) GULL:	1	1/21	Karn Plant, Ba	MW,DD
GLAUCOUS GULL:	2 13 2	12/19 1/23 2/6	SNWR, Sa Hampton Twp., Ba Harbor Beach, Hu	SFK DD JEV
GREAT BLACK-BACKED GULL:	18 7	1/23 2/28	Hampton Twp., Ba MCV Pond, Mi	DD - also noted in Hu MKE

ROCK PIGEON:	191	12/15	SNWR, Sa	SFK- also noted in Ba,Hu,Io,Tu
MOURNING DOVE:	105	2/12	SNWR, Sa	DJP - also noted in Ar,Ba,Hu,Mi,Tu
EASTERN SCREECH OWL:	4	12/20	Koylton Twp., Tu	JEV - also noted in Ba,Hu,Mi
	17	2/17	SNWR, Sa	SFK - new SBA winter high count
GREAT HORNED OWL:	3 3	12/1 12/20	SNWR, Sa Koylton Twp., Tu	DJP - also noted in Ba,Hu JEV - the observer noted ""Last night at 11:00 PM the air was dead still with no sounds but a chorus of owls"
SNOWY OWL:	1	12/4	Bradleyville Rd., Tu	first date - per SBB.org
	3	1/12 -	Akron Rd., Tu	LZ,JMS,JEV
	1 1	2/2 1/30 2/13	Birch Run Twp., Sa Bradleyville Rd., Tu	RAE JMH,LMA
BARRED OWL:	1	1/17	Pinconning Twp., Ba	GSP,MW
	2	2/2	Oil City area, Mi	RD
LONG-EARED OWL:	2	tp	SNWR, Sa	SFK,DJP
	1	1/21	Hampton Twp., Ba	DD,MW
SHORT-EARED OWL:	1	12/23	SNWR, Sa	DJP
	1	2/12	SNWR, Sa	SFK
	1	2/20	Verona SGA, Tu	MW
NORTHERN SAW-WHET OWL:	1	1/23	Caro, Tu	MW,RN
BELTED KINGFISHER:	1	12/28	Tittabawassee Trail, Mi	MKE - also noted in Ba (12/19)
	1	1/18	Cooke Dam area, Io	JMS,DJP
	1	2/12	Patterson Rd., Mi	MKE
RED-HEADED WOODPECKER:	1	12/6	Cooke Dam area, lo	WWS
	1	1/30	Caseville, Hu	SG
RED-BELLIED WOODPECKER:	7	1/9	Tittabawassee Trail, Mi	AD- also noted in Ar,Ba,Hu,Io,Tu
	6	1/17	SNWR, Sa	SFK
DOWNY WOODPECKER:	4	1/10	Tittabawassee Trail, Mi	AD- also noted in Ar,Ba,Hu,Io,Tu
	10	1/17	SNWR, Sa	SFK - peak count
HAIRY WOODPECKER:	6 9	1/17 1/30	SRSGA, Sa SNWR, Sa	JDS - also noted in Ar,Ba,Hu,Io,Mi,Tu SFK - peak count - SFK,JDS,JLS,DJP all noted that HAWO numbers in portions of Sa have increased recently, with the ratio of HAWO to DOWO closer than ever. The fact that the emerald ash borer infestation is now widespread in the forests here is worth considering, as wood boring beetle larvae figure heavily in the HAWO's diet.
NORTHERN FLICKER:	3	12/31	Koylton Twp., Tu	JEV - noted here tp - also noted in Ba,Mi
	14	1/25	SNWR, Sa	DEP - peak count - species present here tp
PILEATED WOODPECKER:	2	12/20	MoffatTwp., Ar	DLJ - also noted in Ba,Hu,Io,Mi,Tu
	3	1/7	SNWR, Sa	DJP
NORTHERN SHRIKE:	1 1 1	12/28 2/5 2/12- 2/19	Bangor Twp., Ba Chippewa Trail, Mi SNWR, Sa	GSP,EMP - also noted in Tu JZ DJP

BLUE JAY:	37	1/10	Cooke Dam area, Io	WWS - also noted in Ar,Ba,Hu,Sa,Tu
	51	2/28	Tittabawassee Trail, Mi	MKE - peak count
AMERICAN CROW:	754	12/28	Saginaw, Sa	DJP - peak count - the observer noted "a roost of crows in the neighborhood always makes for a nice winter" - also noted in Ar,Ba,Hu,Io,Mi,Tu
COMMON RAVEN:	17	1/9	Monument Rd., Io	TS - the observer noted "doing their usual stuff." (congregate along the roadside and "play" with chunks of ice)
	7	2/13	Moffat Twp., Ar	DLJ - a notably high count for anywhere in the SBA outside of Io
HORNED LARK:	50	1/13	Dickerson Rd., Tu	JEV - also noted in Ba,Hu,Mi
	130	2/13	Albee Twp., Sa	JDS,JLS - peak count
BLACK-CAPPED CHICKADEE:	36	1/30	SNWR, Sa	SFK - peak count
	24	2/12	Cooke Dam area, lo	WWS - also noted in Ar,Ba,Hu,Mi,Tu
TUFTED TITMOUSE:	6	12/12	Koylton Twp., Tu	JEV - also noted in Ar,Ba,Hu,Io,Mi
	14	1/30	SNWR, Sa	SFK - peak count
RED-BREASTED NUTHATCH:	5	12/6	Cooke Dam area, lo	WWS - peak count
	2	1/30	Koylton Twp., Tu	JEV - also noted in Ar,Ba,Hu,Mi,Sa
WHITE-BREASTED NUTHATCH:	4	tp	Midland, Mi	JZ - also noted in Ar,Ba,Hu,Io,Tu
	12	1/30	SNWR, Sa	SFK - peak count
BROWN CREEPER:	12 4	1/30 2/6	SNWR, Sa Laur Big Salt River County Park, Mi	SFK - peak count RD - also noted in Ar,Ba,Hu,Tu
CAROLINA WREN:	1	12/4	Albee Twp., Sa	JDS,JLS
	1	1/15	Mt. Haley Twp., Mi	KB
	1	1/14	Midland, Mi	per JML
	1	2/5	BCSRA, Ba	LD
MARSH WREN:	1	2/20 - 2/28	Tobico Marsh, Ba	LD,GSP - first SBA February record - LD noted "calling on its own on both days (but not singing)perched up nicelyshowing the white-striped blackish patch on its otherwise unmarked brown back, its long thin bill, and dark-bordered white supercilium. I suspect that this bird was not an early spring arrival, but had over-wintered."
GOLDEN-CROWNED KINGLET:	4	12/19	Koylton Twp., Tu	JEV - also noted in Ba,Hu,Mi,Sa
	4	2/13	Moffat Twp., Ar	DLJ
EASTERN BLUEBIRD:	16	1/4	Tittabawassee Trail, Mi	MKE - also noted in Ba,Sa,Tu
	22	2/15	Tittabawassee Trail, Mi	AD - new SBA winter high count
HERMIT THRUSH:	1	12/16	Hampton Twp., Ba	DD
	1	1/21	Oil City area, Mi	RD
	1	2/20	Hampton Twp., Ba	PR
WOOD THRUSH:	1	12/6	Saginaw, Sa	DJP - 2 nd SBA December record - the observer noted "eating wild grapes, quite likely the same bird as seen in this location on 11/27/09" - details submitted to state compiler

AMERICAN ROBIN:	100 18 14	1/20 12/13 2/19	Caro, Tu Middlegrounds, Ba SNWR, Sa	MW - present here tp LD - also noted in Mi DJP - present here tp
BROWN THRASHER:	1	2/7 tp	BCSRA, Ba	LD - 3 rd SBA February record, the first since the 1950's - observer noted "The bird had a drooping left wing, but seemed in good shape otherwise, scratching vigorously in the leaf litter."
EUROPEAN STARLING:	2268	12/5	SNWR, Sa	SFK - also noted in Ba,Hu,Mi,Tu
Bohemian Waxwing:	1	12/19	Pinnebog River., Hume Twp., Hu	МКЕ
CEDAR WAXWING:	150 190	1/20 1/26	Caro, Tu Homer Twp., Mi	MW - also noted in Ba,Hu,Sa MKE - peak count - a single flock
YELLOW-RUMPED WARBLER:	1	1/14 - 2/28	Tittabawassee Trail, Mi	AD,MKE
	1	1/17	SRSGA, Sa	JDS
AMERICAN TREE SPARROW:	141 34	1/29 2/2	SNWR, Sa Bangor Twp., Ba	DEP - peak count - also noted in Hu,Mi,Tu GSP,EMP
FOX SPARROW:	1	12/1 - 12/2	Bangor Twp., Ba	GSP,EMP
	1	12/3	Midland, Mi	BR
SONG SPARROW:	1 1 2 3 1	1/13 1/13 2/7 2/13 2/27	Bangor Twp., Ba Dickerson Rd., Tu SNWR, Sa Albee Twp., Sa Bangor Twp., Ba	GSP,EMP JEV SFK - noted here tp JDS,JLS GSP,EMP
SWAMP SPARROW:	1	1/18 - 2/20	SNWR, Sa	JDS,JEV
WHITE-THROATED SPARROW:	1	1/17	SRSGA, Sa	JDS
WHITE-CROWNED SPARROW:	2	2/13	southern Ba	RH
DARK-EYED JUNCO:	26 27	1/26 1/2	SNWR, Sa Green Rd., Mi	SFK - also noted in Ba,Hu,Tu MKE - peak count
LAPLAND LONGSPUR:	2 250	1/9 2/13	Bradleyville Rd., Tu Prairie Farm, Sa	JMS - also noted in Mi JDS,JLS - peak count - the observers noted "several flocks, largest with 190"
SNOW BUNTING	375 500	1/9 1/9	Bradleyville Rd., Tu Turner Twp., Ar	JMS - also noted in Ba,Hu,Io,Mi,Sa DLJ
NORTHERN CARDINAL:	29 22	12/29 2/3	Bangor Twp., Ba SNWR, Sa	GSP,EMP - peak count SFK - also noted in Hu,Io,Mi,Tu
RED-WINGED BLACKBIRD:	32 1	12/5 12/18	SNWR, Sa SNWR, Sa	SFK - peak count DJP - last date
RUSTY BLACKBIRD:	1	12/5	SNWR, Sa	SFK
COMMON GRACKLE:	4 2 1	12/5 12/5 2/12	SNWR, Sa Bangor Twp., Ba Cooke Dam area, Io	SFK GSP,EMP WWS - visited feeder here sporadically tp

BROWN-HEADED COWBIRD:	600	12/5	Prairie Farm, Sa	JDS
	5	2/9	Mayville, Tu	MW
PURPLE FINCH:	4	12/6	Cooke Dam area, lo	WWS - also noted in Hu
	6	1/5	Greendale Twp., Mi	RD
HOUSE FINCH:	74	12/19	SNWR, Sa	SFK - peak count
	18	1/8	Bangor Twp., Ba	GSP,EMP - also noted in Hu,Mi,Tu
PINE SISKIN:	1	12/5	Albee Twp., Sa	JDS,JLS
	1	12/6	Cooke Dam area, lo	WWS
	2	12/28	Koylon Twp., Tu	JEV
AMERICAN GOLDFINCH:	75	1/5	Greendale Twp., Mi	RD - also noted in Ar,Hu,Io,Sa,Tu
	77	2/5	Bangor Twp., Ba	GSP,EMP - peak count
EVENING GROSBEAK:	1	1/10	Cooke Dam area, lo	WWS - first date
	31	1/18	Cooke Dam area, lo	WWS,JMS,DJP
HOUSE SPARROW:	108	12/10	SNWR, Sa	SFK - also noted in Ba,Hu,Mi,Tu
TOTAL: 114 Species				
EXOTICS and OTHERS:				
EUROPEAN GOLDFINCH:	3	1/23 - 2/3	Pinconning Twp., Ba	AD - males, visiting feeders - Initially reported to JML on 1/23, JZ recorded 1 here on 1/25 Perhaps these were escaped / released cage birds, but prior escaped / released birds of this species have been confirmed as breeding in the United States, so these 3 could have hatched as wild birds.

Peak/high counts and early/late dates are designated based upon records established in the publication *Birds and Bird Finding in the Saginaw Bay Area* by Ron Weeks, published in 1995, and subsequent updates to the data by the compilers of the Birds in the Saginaw Bay Area report. Comments on seasonal occurrences also relate to information found in this exhaustively researched book, as well as species notations on the Michigan Bird Survey Form.

Observer Key:

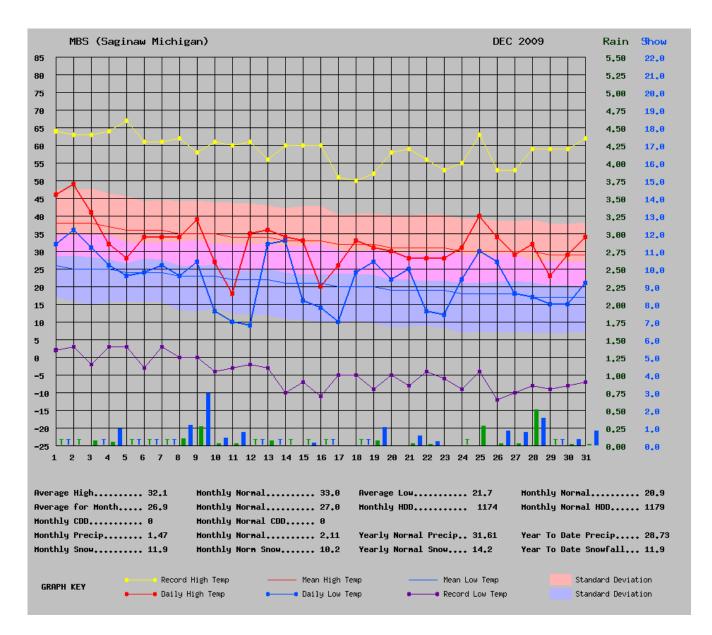
LMA	Larry M. Abraham	RN	Richard Naber
KB	Karen Breternitz	DJP	David J. Peters
JAD	Jan A. Dennett	GSP	Glenn S. Peterson
AD	Audrey Diadun	EMP	Ellen M. Peterson
LD	Louie Dombroski	DEP	Don E. Poppe
DD	Dan Duso	BR	Betty Rainwater
RD	Ryan Dziedzic	PR	Paul Revard
RAE	Roger A. Eriksson	TS	Toni Shawl
MKE	Monica K. Essenmacher	WWS	Wayne W. Shawl
SG	Steve Gasser	JMS	Joe M. Soehnel
RH	Roger Hill	JDS	Jeff D. Sommer
JMH	Jeanne M. Henderson	JLS	Jenn L. Sommer
DLJ	Doug L. Jackson	JEV	Jim E. VanAllen
SFK	Steve F. Kahl	MW	Myles Willard
JML	Janea M. Little	LZ	Lori Zawerucha
SM	Stan Madziar	JZ	Jerry Ziarno

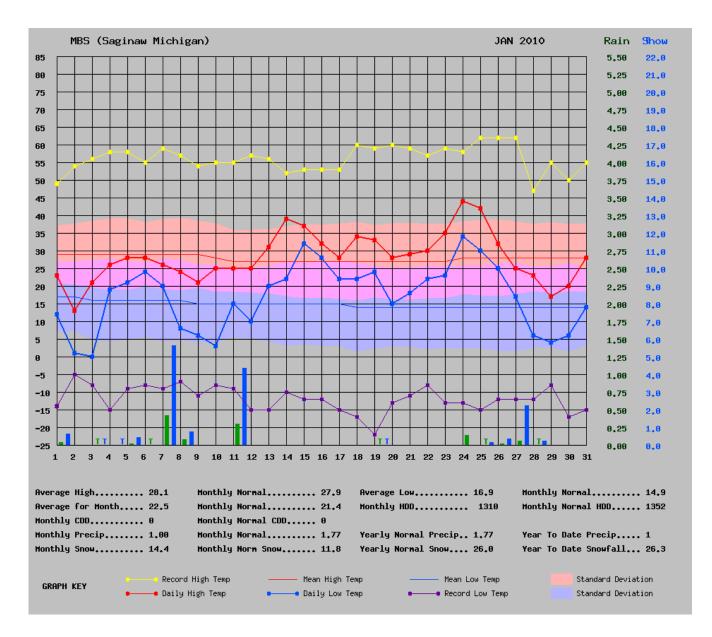
Thirteen individuals generously submitted reports specifically for this compilation. Sightings were also obtained from postings on the saginawbaybirding.org winter migration update, or from personal communication. In each case, thanks to everyone who contributed.

Abbreviations:

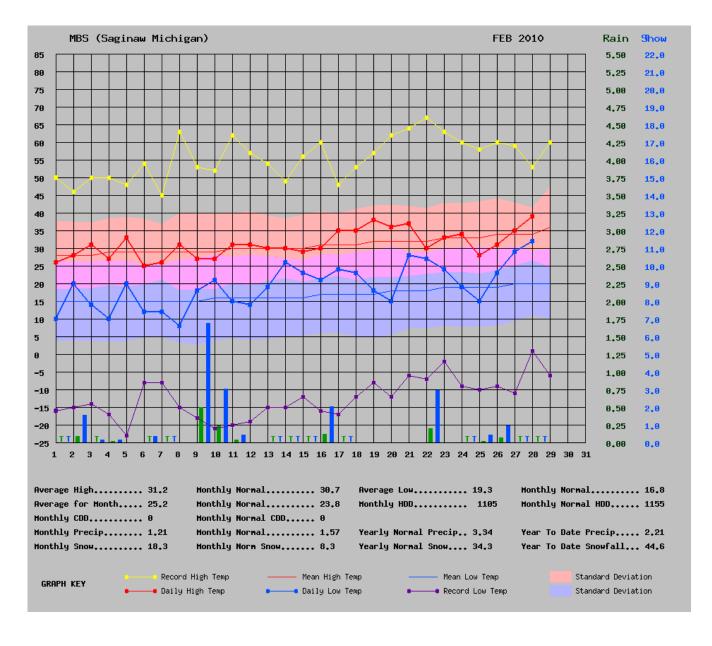
Ar	Arenac County	Mi	Midland County
Ва	Bay County	Sa	Saginaw County
BCSRA	Bay City State Recreation Area	SBA	Saginaw Bay Area
CNC	Chippewa Nature Center	SBB.org	SaginawBayBirding.org
FPSWA	Fish Point State Wildlife Area	C C	
GPELC	Green Point Environmental Learning	SNWR	Shiawassee National Wildlife Refuge
	Center		
Hu	Huron County	SRSGA	Shiawassee River State Game Area
lo	losco County	tp	throughout entire period
MCV	Midland Cogeneration Venture (Pond)	Ťu	Tuscola County

December, 2009 Weather Graph – Saginaw (MBS)





January, 2010 Weather Graph – Saginaw (MBS)



February, 2010 Weather Graph – Saginaw (MBS)