BIRDS IN THE SAGINAW BAY AREA

Dec 1st, 2017 thru Feb 28th, 2018

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Essexville, MI

Weather: Winters in central Michigan continue to track on the milder side. December began the first five days with temps at 48F or higher but was then offset in the last six days with temps at or below 15F. The average temperature for December was 2.8 degrees below average. An appreciable snow occurred on 12/14 with over six inches but warmer temps melted it off in a very short while. That became a recurrent theme for the winter period with little to no snow cover.

January and February flip flopped, as average highs were 2.8 and 4.3 degrees above average, respectively. Sixteen of the twenty-eight days in February were above freezing, fifteen of which were the last fifteen days of the month. During that span, average daytime highs reached 44.8F, a whopping 13.1 degrees above February's monthly average. January snowed a mere 4.4 inches compared to the monthly average of 11.9 inches. February had three days with three plus inches of snow but it quickly melted with subsequent days of higher temps.

Summary: A record tying 128 species was observed in the SBA where surveys have been compiled for thirty-two consecutive years. Snowy Owls and Pine Siskins irrupted into the SBA in unprecedented numbers. Larry Abraham and company reported an amazing **thirty-four** Snowy Owls on three consecutive days in the Saginaw/Tuscola County area. Great care was taken to ensure that no bird was logged twice. In that three-day span, he tallied sixteen in Saginaw County and eighteen in Tuscola County.

Equally impressive was the massive overwintering flocks of Pine Siskins, primarily in Iosco, Bay, and Midland Counties; although, they were reported In all seven SBA counties. Jerry Ziarno reported that he has never seen as many overwintering siskins in the many years that he's lived and birded the SBA. He had as many as ninety at his feeders. Remarkably, that pales in comparison with the numbers at other birder's feeders. The following data was obtained on eBird of numbers coming to birder's feeders: Monica Essenmacher reported **216** in Beaver Twp, Ba on 01/16; Jonathan Schirmer reported **200** in Oscoda Twp, Io on 02/19; Larry Vanwagoner reported **200** at Sand Lake, Io on 01/13, and Roger Eriksson had **300** in Baldwin Twp, Io on 01/19. Phil Odum had an incredible **916** at Tawas Point on 12/21.

Conversely, gull species were noticeably negligible over the winter period. Ring-billed Gulls totally dispersed on 12/11 and did not return until 02/19. Herring Gulls generally remain in respectable numbers with the exception of three weeks in January but most of their records reported were less than ten individuals for most of the winter period.

Uncommon to rare birds for the winter period included: **Ross's Goose** at Iargo Springs and Nayanquing Point on 02/28 (PO & JB); **Greater White-fronted Goose** at Shiawassee NWR, Sa (16 on 02/25 TB & CD) and Nayanquing Point (35 on 02/28 JB); **King Eider** at AuSable River Mouth, Io on 12/01 (PO); **Iceland Gull** at Tawas Point on 12/10 (PO & MHe); **Rufous Hummingbird** at a Tuscola County private homeowner's residence until 12/15; **Townsend's Solitaire** found on 12/19 Huron CBC (ML & VT) and remained for over a month; **Bohemian Waxwing** in Jerome Twp, Mi (3 on 12/21 RMD) and at Tawas Point (1 on 01/10 PO); **Red Crossbill** in Oscoda Twp, Mi (up to 15 BB) found with regularity at that location, and a Midland County first record for **Western Tanager** at Dow Gardens (AS) from 12/17 thru 12/24.

New Winter Peak Counts: 116 Hooded Mergansers on 12/09 at Karn Plant, Ba - JMS
276 Horned Larks on 02/08 in Akron Twp, Tu – MKE
916 Pine Siskins on 12/21 at Tawas Point, Io – PO

New Peak Counts: 35 Gr. White-fronted Geese on 02/28 at Nayanquing Pt SWA, Ba - JB

This report, as well as previous seasonal reports from 1986-2016, can be found at http://www.saginawbaybirding.org. in the Seasonal Survey tab, along with updates on spring 2018 migration in the Saginaw Bay Area, as reported to Joe Soehnel at saginawbaybirding@gmail.com.

Western Tanager – Alex Sin

Dow Gardens, Mi – 12/17/2017

Townsend's Solitaire – Ryan Dziedzic

Meade Twp, Hu – 12/19/2017

Snowy Owl – Gary Nelkie

Tawas Point, Io – 12/03/2017

Long-eared Owl – Phil Odum

Tawas Point, Io – 12/27/17

Red Crossbills – Phil Odum

Oscoda Twp, Io – 02/14/18

Eastern Screech Owl (Reddish Morph) – Joe Soehnel

Hampton Twp Home, Ba – 02/21/18

Northern Harrier – Allen Chartier

Fish Point, Tu – 02/28/18

Species	Number	Date	Location	Observers / Comment
SNOW GOOSE:	1	12/30	Karn Plant (Restricted), Ba	RMD, SM, JMS - Also in Io, Mi
	1	02/21	Pondside Park, Ba	CS, JMS, JP – First return
ROSS'S GOOSE: *	1	02/28	Nayanquing Pt SWA, Ba	JB, et.al.
	1	02/28	Iargo Springs, Io	PO, et.al.
CHEN SP:	1	02/27	Shiawassee NWR, Sa	JL
GRTR WHITE-FRNTD GOOSE:	16	02/25	Ferguson Bayou Trail, Sa	TB, CD – First return - Also in Tu
	35	02/28	Nayanquing Point, Ba	JB – *New SBA peak count!*
CACKLING GOOSE:	1	02/28	Nayanquing Pt SWA, Ba	JB
	1	02/28	Iargo Springs, Io	PO et. al.
CANADA GOOSE:	in Ar, Hu, Io, Mi, Sa, Tu – Peak count of **4740** on 02/27 at Shiawassee NWR, Sa - JL			
MUTE SWAN:	72	01/27	Karn Plant (Restricted), Ba	JMS – Also in Hu, Io, Mi, Sa, Tu
TRUMPETER SWAN:	172	01/02	Cooke Dam Area, Io	WWS – Also in Mi, Sa
TUNDRA SWAN:	1410	12/02	Prairie Farm Area, Sa	AA per eBird – Also in Ba, Hu, Io, Tu
WOOD DUCK:	2	02/26	Sturgeon Creek Pkwy, Mi	JZ – First return Also in Ba, Io, Sa
NORTHERN SHOVELER:	2	12/10	Sanford Lake, Mi	RMD – Last date
	4	02/28	Fish Point SWA, Tu	CP, JS et.al. First return. Also in Ba
GADWALL:	28	02/27	Shiawassee NWR, Sa	JL – Also in Ba, Mi, Tu
AMERICAN WIGEON:	6	02/23	Bangor Twp, Ba	JMS – First return. Also in Mi, Sa, Tu
MALLARD:	1500	12/16	Fish Point SWA, Tu	CP, JMS et.al. Also in Ar, Ba Hu, Io, Mi, Sa
AMERICAN BLACK DUCK:	32	12/10	VanEttan Park, Io	RAE – Also in Ba, Hu, Mi, Sa, Tu
NORTHERN PINTAIL:	150	02/28	Fish Point SWA, Tu	CP, JMS, et. al. - Also in Ba, Io, Mi, Sa
GREEN-WINGED TEAL:	2	12/06	Fish Point SWA, Tu	JMS – First return. Also in Ar, Sa
CANVASBACK:	2	12/02	Dow Ponds, MI	JZ – Also in Ba
REDHEAD:	3000	12/10	Alabaster Twp, Io	PO, MHe – Also in Ba, Hu, Mi, Sa, Tu
RING-NECKED DUCK:	54	12/01	Fish Point SWA, Tu	AA per eBird
	110	02/28	Shiawassee NWR, Sa	DJP – Also in Ba, Mi, Hu, Io,
GREATER SCAUP:	60	12/02	Karn Plant (Restricted), Ba	JMS – Also in Ar, Hu, Io, Mi
LESSER SCAUP:	75	12/02	Karn Plant (Restricted), Ba	JMS – Also in Io, Mi
KING EIDER:	1	12/01	AuSable River Mouth, Io	PO – Continuing from fall period.
SCAUP SP:	50	02/28	Fish Point SWA, Tu	CP, JMS et. al. Also in Ba, Hu, Io, Mi, Sa
SURF SCOTER:	*None reported*			
WHITE-WINGED SCOTER:	24	12/04	Bay City SRA, Ba	JMS
	1	12/30	Karn Plant (Restricted), Ba	RMD, SM – Last date
	1 fem	02/26	Sanford Lake, Mi	MKE – First return – Also in Io
BLACK SCOTER:	3	12/04	Bay City SRA, Ba	JMS

LONG-TAILED DUCK:	610	02/28	Tawas Point SP, Io	JB - Also in Ba, Hu, Mi, Tu
BUFFLEHEAD:	16	12/04	Tawas Point SP, Io	PO - Also in Ar, Ba, Hu, Mi, Sa, Tu
COMMON GOLDENEYE:	1660	02/24	Karn Plant (Restricted), Ba	JMS, PO - Also in Ar, Hu, Io, Mi, Sa, Tu
HOODED MERGANSER:	116	12/09	Karn Plant (Restricted), Ba	JMS – *New SBA winter high count!* Also in Hu, Io, Mi, Sa Tu
COMMON MERGANSER:	110	02/25	Cooke Dam Ponds, Io	BB – Also in Ar, Ba, Hu, Mi, Sa, Tu
RED-BREASTED MERGANSER:	53	12/03	AuSable River Mouth, Io	PO – Also in Ar, Ba, Hu, Mi
RUDDY DUCK:	65	12/10	Whiting Overlook Pk, Mi	JZ
	2	02/19	MCV Pond, Mi	JMS – First return – Also in Tu
RING-NECKED PHEASANT:	12	01/04	Boutell Grasslands, Ba	JP – Also in Ar, Hu, Io, Mi, Sa, Tu
RUFFED GROUSE:	7	01/10	Cooke Dam Area, Io	WWS – Also in Ar, Mi
WILD TURKEY:	110	01/10	Geneva Twp, Mi	JZ – Also in Ar, Ba, Hu, Io, Sa, Tu
PIED-BILLED GREBE:	1	TP	Karn Plant (Restricted), Ba	JMS – up to 3 there. Also in Io, Mi
HORNED GREBE**:**	6	02/19	MCV Pond, Mi	JMS – Also noted in Sa
	2	02/28	Tawas Point SP, Io	JB
RED-NECKED GREBE:	*None reported*			
ROCK PIGEON:	Reported in Ar, Ba, Hu, Io, Mi, Sa, Tu - 93 on 12/03 at Karn Plant (Restricted), Ba – JMS			
MOURNING DOVE:	Reported in Ar, Ba, Hu, Io, Mi, Sa, Tu – 54 on 01/04 on Clark Rd, Tu – JMS			
VIRGINIA RAIL:	*None reported*			
SORA:	*None reported*			
SANDHILL CRANE:	12	02/21	Ferguson Bayou Trail, Sa	MMc per eBird – First return
	248	02/27	Shiawassee NWR, Sa	JL – Peak count – Also in Io
KILLDEER:	2	02/20	Hampton Twp, Ba	JMS – First return Also in Ar, Hu, Io, Mi, Sa, Tu
AMERICAN WOODCOCK:	1	02/27	Tawas Point SP, Io	JB – First return – Also in Ba
BONAPARTE'S GULL:	200	12/07	Northport Marina, Ar	PO
	2	12/20	Tawas Point SP, Io	PO – Last date – also in Hu, Tu
LITTLE GULL:	*None reported*			
RING-BILLED GULL:	1	12/11	Tawas Point SP, Io	PO – Last date
	86	02/19	Middlegrounds, Ba	JMS – First return
	800	02/28	Nayanquing Pt SWA, Ba	JB
HERRING GULL:	420	12/13	Republic Landfill, Ba	RAE – Also in Ar, Hu, Io, Mi, Sa, Tu
ICELAND GULL:	1	12/10	Tawas Point SP, Io	PO, MHe
LSSR BLACK-BACKED GULL:	1	02/24	Saginaw River Mouth, Ba	JMS, PO – 2nd cycle bird
GLAUCOUS GULL:	7	12/13	Republic Landfill, Ba	RAE
	1 imm	02/23	Saginaw River Mouth, Ba	JMS – First return Also in Hu, Io, Mi, Tu
GREAT BLACK-BACKED GULL:	2	12/23	Harbor Beach, Hu	KO, SJ - per eBird – Last date
	4	02/23	Saginaw River Mouth, Ba	JMS – First return – Also in Io, Mi

RED-THROATED LOON:	*None reported*			
COMMON LOON:	1	12/10	Singing Bridge, Ar	MHo – Last date – Also in Io
DOUBLE-CRSTD CORMORANT**:**	10	TP	Karn Plant (Restricted), Ba	JMS – Peak of 17 on 01/01 Also in Hu, Io, Mi, Tu
GREAT BLUE HERON:	5	01/06	Karn Plant (Restricted), Ba	JMS - Also in Io, Hu, Mi, Sa, Tu
GREAT EGRET:	1	12/03	Standish Twp, Ar	MKE – Also in Sa
BLK-CRWND NIGHT-HERON:	1	PTP	Karn Plant (Restricted), Ba	JMS – Peak of 4 on 12/30 – RMD & SM
TURKEY VULTURE:	3	02/27	Port Crescent Hawk Watch/Kinch Rd, Hu	MKE – First return
BALD EAGLE:	60	02/27	Shiawassee NWR, Sa	JL – Also in Ar, Ba, Hu, Io, Mi, Tu
NORTHERN HARRIER:	6	02/27	Port Crescent Hawk Watch/Kinch Rd, Hu	MKE – Also in Ba, Hu, Io, Mi, Sa, Tu
SHARP-SHINNED HAWK:	1	12/17	Tawas Point SP, Io	BB – Also in Ba, Hu, Mi, Sa, Tu
COOPER'S HAWK:	Noted in Ar, Ba, Hu, Io, Mi, Sa, Tu			
NORTHERN GOSHAWK:	*None reported*			
RED-SHOULDERED HAWK:	9	02/28	Port Crescent HW, Hu	Also in Ar, Ba, Io, Mi, Sa, Tu
RED-TAILED HAWK:	Noted in Ar, Ba, Hu, Io, Mi, Sa, Tu			
ROUGH-LEGGED HAWK:	8	02/27	Port Crescent Hawk Watch/Kinch Rd, Hu	MKE – Also in Ar, Ba, Io, Mi, Sa, Tu
GOLDEN EAGLE:	1 imm	01/18	Shiawassee NWR, Sa	DJP – Also in Hu
EASTERN SCREECH OWL:	Noted in Ba, Hu, Io, Mi, Sa, Tu			
GREAT HORNED OWL:	Noted in Ba, Io, Mi, Sa, Tu			
SNOWY OWL:	3	02/07	Dutcher Rd, Tu	JMS – Also in Ar, Ba, Hu, Io, Mi, Sa
BARRED OWL:	1	02/25	Oil City Home, Mi	RMD – Also in Ba, Io, Sa, Tu
LONG-EARED OWL:	1	12/17	Tawas Point SP, Io	PO
SHORT-EARED OWL:	1	01/06	Akron Twp, Tu	CS – Also in Sa
NORTHERN SAW-WHET OWL:	1	02/13	Cooke Dam Area, Io	WWS
RUFOUS HUMMINGBIRD: *	1	12/15	Tuscola County	Per ATC – *First observed by homeowners on 10/01/17 who declined public viewing.*
BELTED KINGFISHER:	Noted in Ba, Hu, Io, Mi, Sa, Tu – 2 on 12/16 at Karn Plant (Restricted), Ba - JMS			
RED-HEADED WOODPECKER:	5	12/02	Hartley Nature Center, Sa	AA – Per eBird - Also in Ba, Hu, Io, Mi
RED-BELLIED WOODPECKER:	Noted in Ar, Ba, Hu, Mi, Sa, Tu – 4 on 02/28 in Wilbur Twp, Io per eBird - SB			
YLLW-BELLIED SAPSUCKER:	1	12/30	Bay City CBC, Ba	JD – Per eBird
DOWNY WOODPECKER:	Noted in Ar, Ba, Hu, Io, Mi, Sa, Tu			
HAIRY WOODPECKER:	Noted in Ar, Ba, Hu, Io, Mi, Sa, Tu			
NORTHERN FLICKER:	2	12/01	Averill Preserve, Mi	JZ – Also in Ba, Hu, Io, Sa, Tu

PILEATED WOODPECKER:	2	01/19	Shiawassee NWR, Sa	DJP – Also in Ar, Ba, Hu, Io, Mi, Tu
AMERICAN KESTREL:	Noted in Ar, Ba, Hu, Io, Mi, Sa, Tu			
MERLIN:	1	12/23	Unionville Area, Tu	JZ – Also in Ba, Hu, Io, Mi, Sa
PEREGRINE FALCON:	1-2	PTP	Karn Plant (Restricted), Ba	JMS – Also in Sa, Tu
NORTHERN SHRIKE:	1	12/23	Meade Twp, Hu	JZ – Also in Ar, Ba, Io, Mi, Sa, Tu
BLUE JAY:	13	12/21	Tawas Point SP, Io	PO – Also in Ar, Ba, Hu, Io, Mi, Sa, Tu
AMERICAN CROW:	169	01/18	Spaulding Twp, Sa	DJP – Also in Ar, Ba, Hu, Io, Mi, Tu
COMMON RAVEN:	2	02/28	Pinconning Twp, Ba	JB – Also in Ar, Ba, Io, Mi
HORNED LARK:	**276**	02/08	Akron Twp, Tu	MKE – *New SBA winter peak count!* Also in Ar, Ba, Hu, Io, Mi, Sa
BLACK-CAPPED CHICKADEE:	Noted in Ar, Ba, Hu, Io, Mi, Sa, Tu			
TUFTED TITMOUSE:	Noted in Ar, Ba, Hu, Io, Mi, Sa, Tu			
RED-BREASTED NUTHATCH:	6	01/26	Oscoda Twp, Io	PO, JP, JMS – Also in Ar, Ba, Hu, Mi, Sa, Tu
WHITE-BREASTED NUTHATCH:	2	PTP	Sturgeon Ck Pkwy, Mi	JZ – Also in Ar, Ba, Hu, Io, Sa, Tu
BROWN CREEPER:	2	01/04	Hampton Twp Home, Ba	JMS – Also in Hu, Io, Mi, Sa, Tu
WINTER WREN:	1	12/17	Fish Point SWA, Tu	CS – Also in Hu, Io, Mi, Sa
CAROLINA WREN:	1 1	01/26 01/31	Vassar Twp, Tu Midland, Mi	MW et.al. – Also in Hu, Sa D&LA – First present roughly ten days ago with the warm up.
GOLDEN-CROWNED KINGLET:	5	02/12	Chippewa NC, Mi	AS per eBird – Also in Ba, Hu, Io, Sa, Tu
RUBY-CROWNED KINGLET	1	12/19	Huron CBC	TH – Few winter records for this species.
EASTERN BLUEBIRD:	9	12/14	Bangor Twp, Ba	JMS – Also in Hu, Io, Mi, Sa, Tu
TOWNSEND'S SOLITAIRE: *	1	12/19	Meade Twp, Hu	VT, ML et. al. – Thru 01/19/18
HERMIT THRUSH:	1	12/19	Port Crescent SP, Hu	TH
AMERICAN ROBIN:	16	02/14	Wilber Twp, Io	SB per eBird – Also in Ba, Hu, Mi, Sa, Tu
BROWN THRASHER:	1	12/27	Tawas Point SP, Io	PO – thru 12/31
EUROPEAN STARLING:	300	12/13	Republic Landfill, Ba	RAE – Also in Ar, Hu, Io, Mi, Sa, Tu
BOHEMIAN WAXWING:	3 1	12/21 01/10	Jerome Twp, Mi Tawas Point SP, Io	RMD PO
CEDAR WAXWING:	50	01/02	Wilber Twp, Io	SB per eBird – Also in Ba, Hu, Mi, Sa
HOUSE SPARROW:	165	01/04	Akron Twp, Tu	JMS – Also in Ar, Ba, Hu, Io, Mi, Sa
EVENING GROSBEAK:	*None reported*			
HOUSE FINCH:	27	01/01	Koylton Twp, Tu	JEV per eBird Also in Ar, Ba, Hu, Io, Mi, Sa
PURPLE FINCH:	26	12/24	Tawas Point SP, Io	PO – Also in Ar, Ba, Hu, Mi, Sa, Tu

COMMON REDPOLL:	200	02/17	Oscoda Twp, Io	BB – Also in Ba, Hu, Mi, Tu
HOARY REDPOLL:	*None reported*			
RED CROSSBILL:	15 2	12/28 02/21	Oscoda Twp, Io Oscoda Twp, Io	BB – Also in Hu PO & SB – Type 2 (Ponderosa Pine Crossbill) – Click here for eBird article on the ten Red Crossbill types.
WHITE-WINGED CROSSBILL:	*None reported*			
PINE SISKIN:	**916**	12/21	Tawas Point, Io	PO – *New SBA winter peak count!* Also in Ar, Ba, Hu, Mi, Sa, Tu
AMERICAN GOLDFINCH:	152	02/04	Beaver Twp, Ba	MKE – Also in Ar, Hu, Io, Mi, Sa, Tu
LAPLAND LONGSPUR:	70	02/28	Columbia Twp, Tu	ATC – Also in Hu, Mi, Sa
SNOW BUNTING:	780	12/20	Hume Twp, Hu	MKE – Also in Ar, Ba, Hu, Io, Mi, Sa
AMERICAN TREE SPARROW:	60	12/29	AuSable State Forest, Mi	RMD – Also in Ar, Ba, Hu, Io, Sa, Tu
SONG SPARROW:	13	02/28	Fish Point SWA, Tu	MKE – Also in Ba, Io, Mi, Sa
FOX SPARROW:	2	01/31	Midland, Mi	D&LA – Had been at their feeders since the warm up roughly ten days earlier.
DARK-EYED JUNCO:	57	12/18	Kochville Twp, Sa	CS – Also in Ar, Ba, Hu, Io, Mi, Tu
SWAMP SPARROW:	*None reported*			
WHITE-THROATED SPARROW:	2	01/31	Midland, Mi	D&LA – Also in Ba, Tu
WHITE-CROWNED SPARROW:	1	01/25	Fish Point SWA, Tu	RR – Also in Sa
YELLOW-RUMPED WARBLER:	2	12/19	Huron CBC, Hu	RMD – Also in Io, Sa
EASTERN MEADOWLARK:	1	02/27	Grindstone City, Hu	MKE – Also in Io, Tu
NORTHERN CARDINAL:	13	12/18	Kochville Twp Home, Sa	CS – Also in Ar, Ba, Hu, Io, Mi, Tu
WESTERN TANAGER: *	1	12/17	Dow Gardens, Mi	AS et.al. thru 12/24
RED-WINGED BLACKBIRD:	25 1000+	02/10 02/28	Akron Twp, Tu Nayanquing Pt SWA, Ba	JP – First return JB - Also in Ar, Hu, Io, Mi, Sa
BROWN-HEADED COWBIRD:	229	02/08	Akron Twp, Tu	MKE – Also in Ba, Mi, Sa, Tu
RUSTY BLACKBIRD:	80	02/25	Ferguson Bayou Trail, Sa	TB – First return per eBird
BREWER'S BLACKBIRD:	1	12/19	Huron CBC, Hu	TH – First SBA Dec record.
COMMON GRACKLE:	10 200+	02/10 02/28	Akron Twp, Tu Nayanquing Pt SWA, Ba	JP – First return JB - Also in Ar, Hu, Io, Mi, Sa

TOTAL: 128 Species

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.

* MBRC Review List species. Inclusion of this record does not signify that it has been verified, only that an encounter was reported. The observation will not be considered an official SBA record until it has been reviewed and accepted by the MBRC.

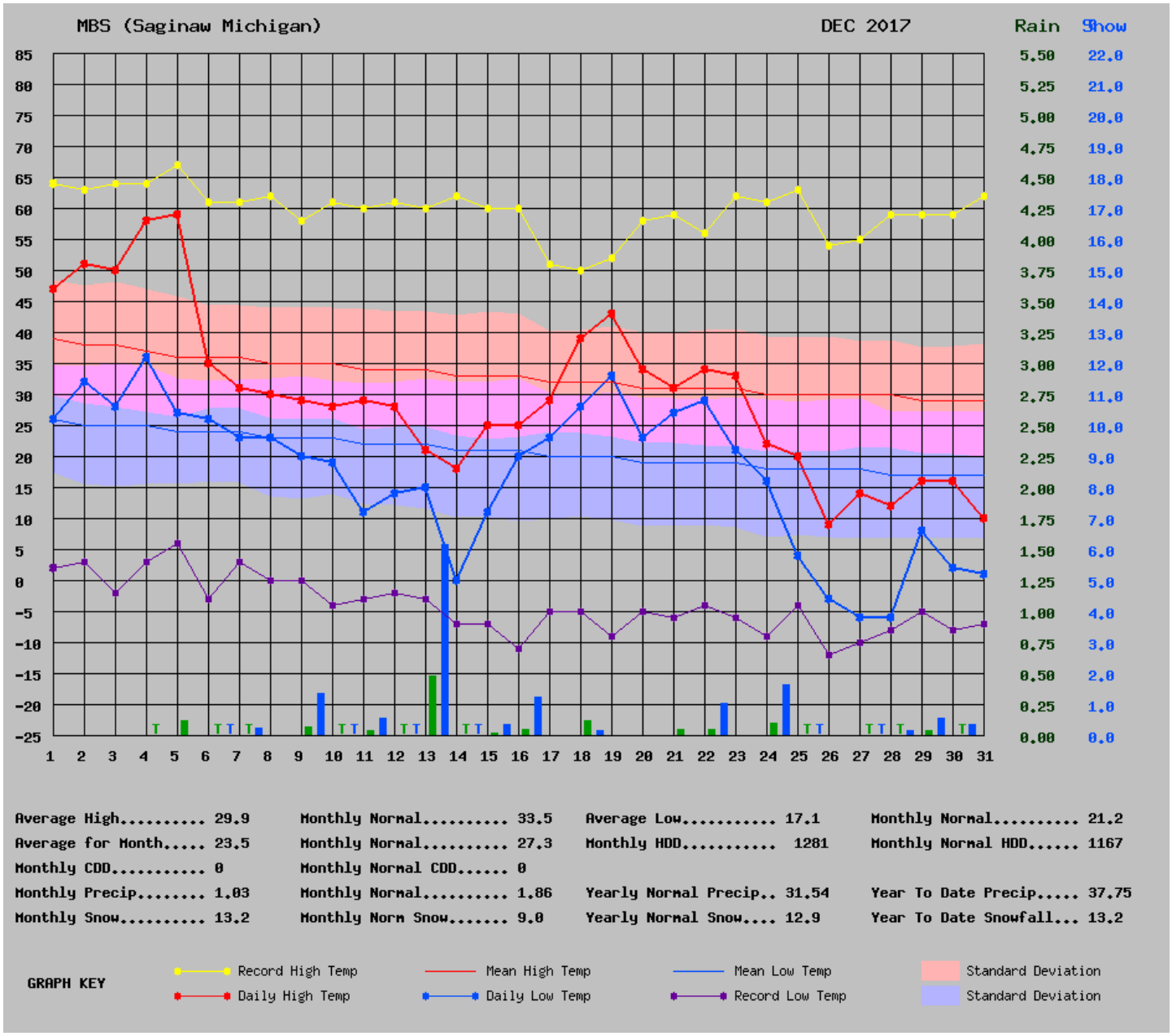
Observer Key:

AA	Andrew Aldrich
LA	Larry Abraham
D&LA	Dave & Linda Auman
TB	Tom Baumgart
DB	Daryl Bernard
JB	Jason Bojczyk
SB	Sam Burkhardt
ATC	Allen T. Chartier
JD	Jim Dawe
CD	Chris DeWolfe
RMD	Ryan M. Dziedzic
ME	Melissa Eddy
RAE	Roger A. Eriksson
MKE	Monica K. Essenmacher
MHe	Matt Hegwood
TH	Tom Hince
MHo	Matt Hogan
ML	Mike Ladenberger
SL	Stan Lilley
JL	Jeremy Lowell
SM	Stan Madziar
MMc	Myles McNally
MMa	Moria Maus
MMc	Myles McNally
MN	Mike Nelson
PO	Phil Odum
DJP	David J. Peters
JP	John Porath
CP	Caleb Putnam
JP	John Porath
CS	Craig Schafer
WWS	Wayne W. Shawl
AS	Alex Sin
JMS	Joseph M. Soehnel
VT	Val Trabucchi
JEV	Jim E. VanAllen
MW	Myles Willard
JZ	Jerry Ziarno

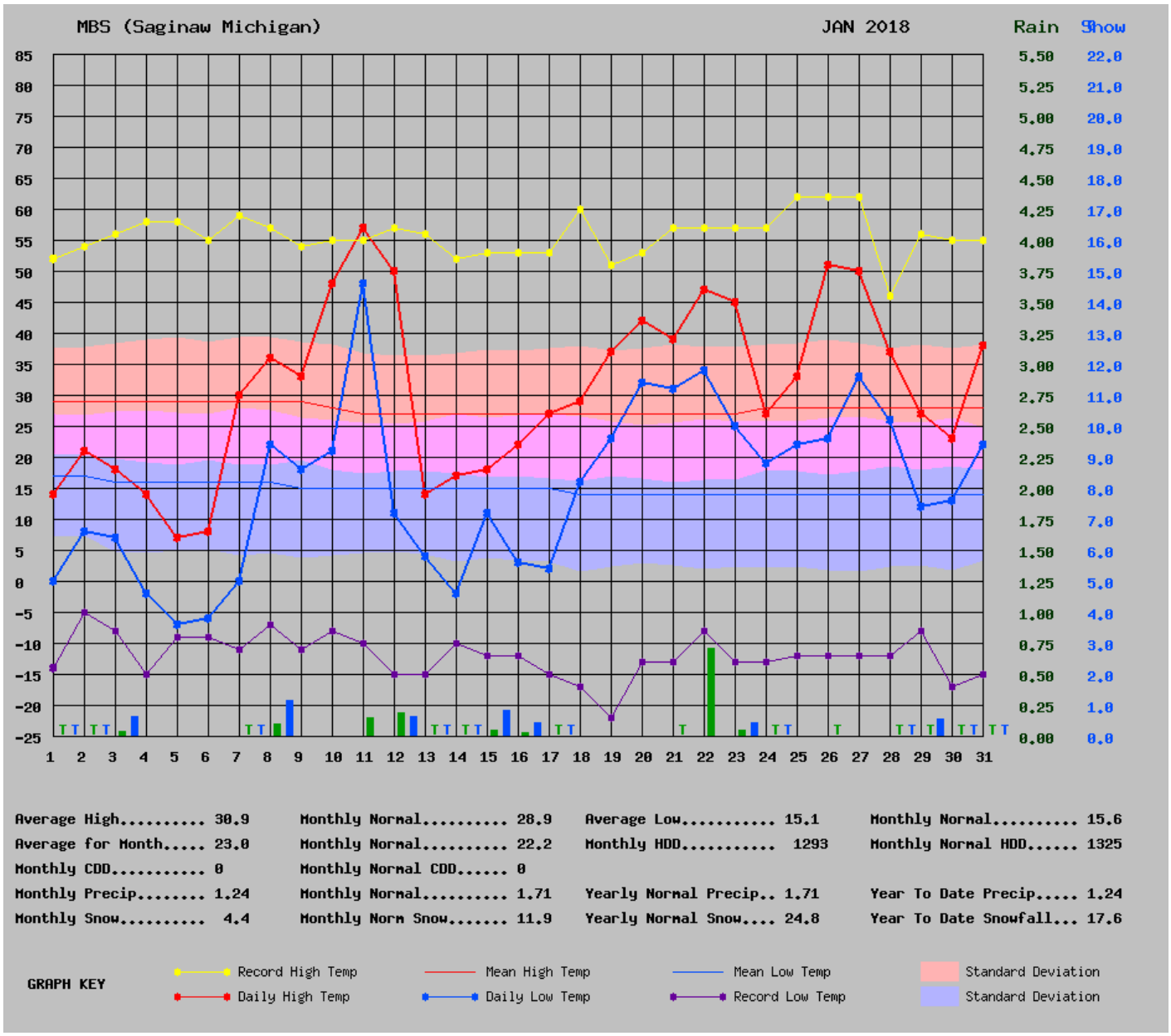
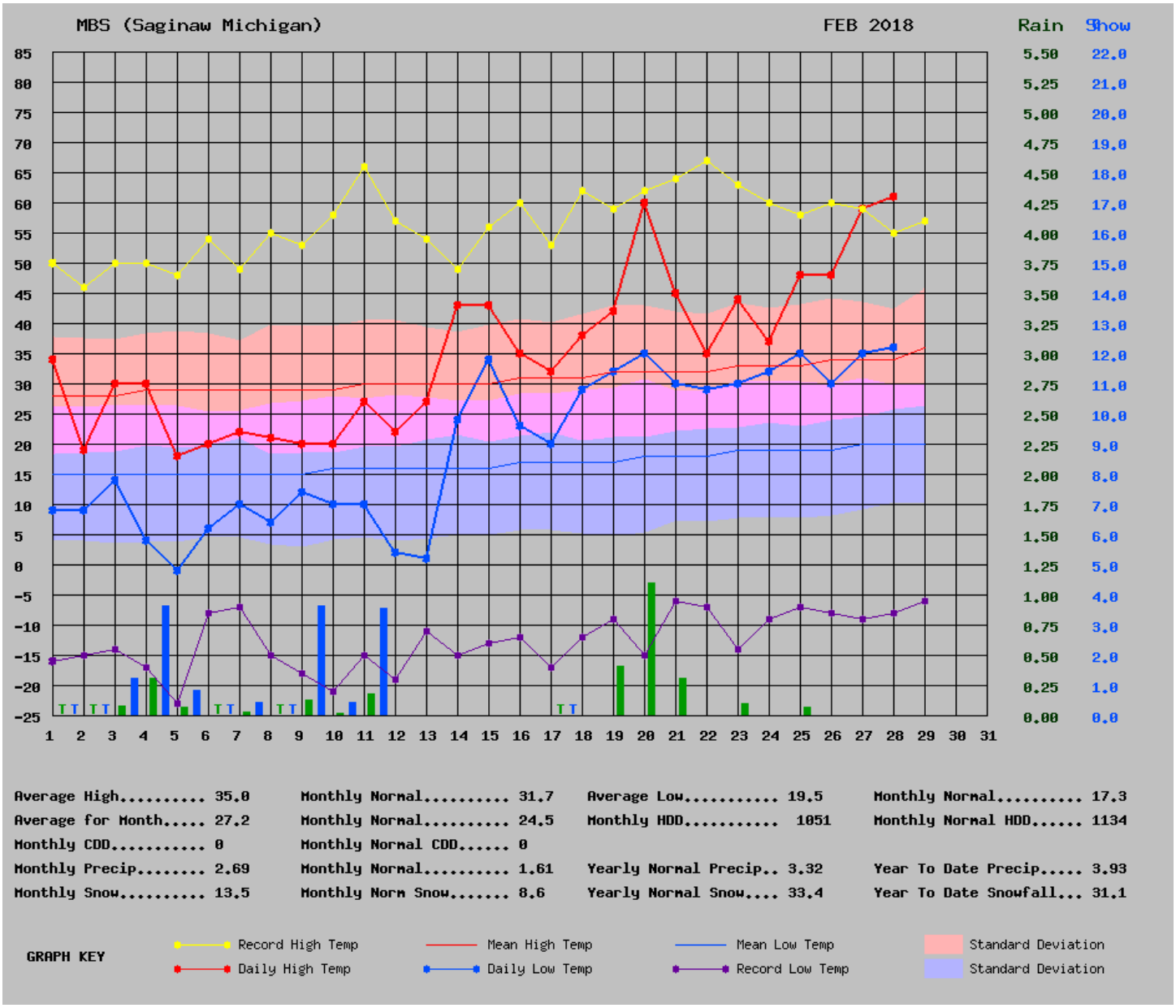
Abbreviations:

Ar	Arenac County
BCSRA	Bay City State Recreation Area
Ba	Bay County
CNC	Chippewa Nature Center
FPSWA	Fish Point State Wildlife Area
Hu	Huron County
Io	Iosco County
MBRC	Michigan Bird Records Committee
MCV	Midland Cogeneration Venture
Mi	Midland County
PCSP	Port Crescent State Park
PTP	Present thru period
Sa	Saginaw County
SBA	Saginaw Bay Area
SBB.org	SaginawBayBirding.org
SNWR	Shiawassee National Wildlife Refuge
SF	State Forest
TPSP	Tawas Point State Park
tp	throughout and/or thru remainder of period
Tu	Tuscola County

December, 2017 Weather Graph – Saginaw (MBS)



January, 2018 Weather Graph – Saginaw (MBS)



February, 2018 Weather Graph – Saginaw (MBS)