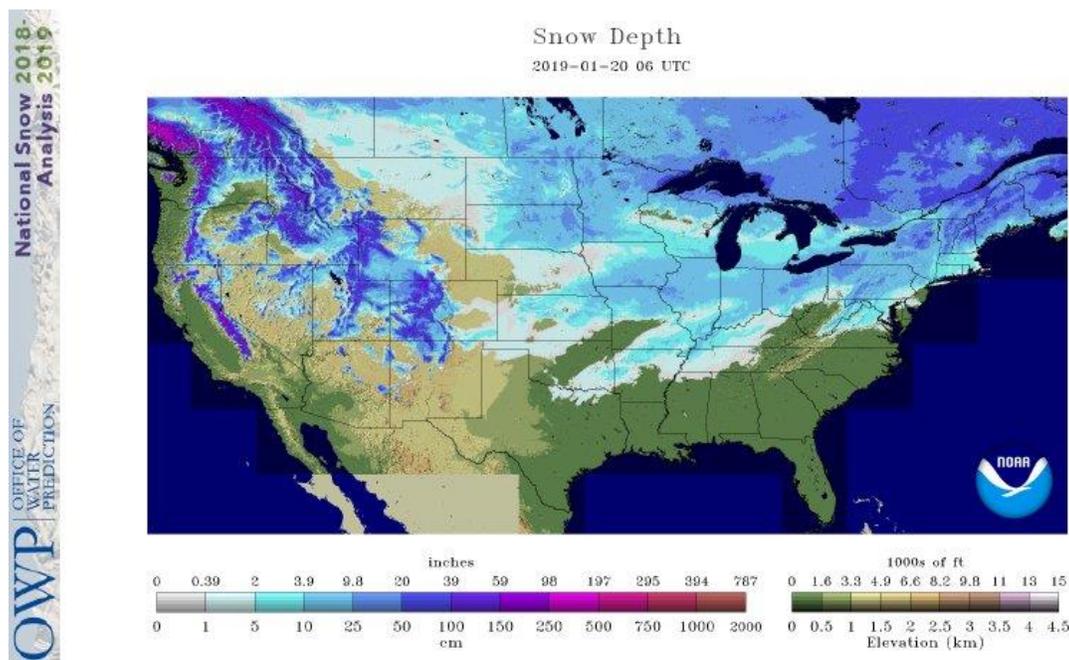


## 21 January – 27 January 2019 DUCK MIGRATION FORECAST

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**OVERVIEW:** The deep freeze continues for this week in the upper mid-west and Great Lakes region with temperatures plummeting into the single and negative digits. A system that dumped snow from Arkansas up through the Ohio valley and into the lower Great Lakes (Erie and Ontario) on the weekend (19 & 20 January) filled in many of the gaps in snow cover in the Mississippi and Atlantic Flyways (See THIS WEEKS SUPPLEMENT). The coming week will see moderate opportunities for snow, but primarily continued cold. However, Tuesday and Wednesday in the Mississippi Flyway and Wednesday and Thursday in the Atlantic Flyway will see a quick southern flow and warm-up.

### **THIS WEEKS SUPPLEMENT:**



**SPECIES PREDICTIONS:** We report WSI values and color code each day by species and location as **little to no migration (YELLOW)**, **increasing abundance (RED)**, and **decreasing abundance (BLUE)**. WSI models and thresholds differ among species, so the values by location will differ among some species. Thresholds are points when ducks are predicted to decrease in abundance from one day to the next, it does not indicate they no longer occur at a location. The greater the WSI beyond the threshold the greater decrease in abundance from one day to the next and greater likelihood of their arrival at points farther south.

**THIS WEEK:** Our WSI predicts the greatest likelihood of mallard and black duck migration of the entire season this week. Negative temperatures in the mid-west and Great Lakes region that continue south until at least the Ohio/Kentucky border are predicted to cause a substantial movement of mallards into southern locales this week. However, a warm-up mid-week from a southerly flow may reduce these movements, at least temporarily. Greatest likelihood of mallard and black duck migration is early and late in the week. Our WSI also predicts that mallard abundance should be at peak at the latitude of Memphis (Mississippi Flyway) and across to Charlotte (Atlantic Flyway), with some of these ducks making it farther south in the coming week. That said, mallard migration has been quite late this year because of warm weather and flooded rivers, but most early migrating species such as green-winged teal have made it to their southern wintering grounds. While mallards may be increasingly abundant this week, hunters may do well to fill their bag with these other early migrating ducks, because mallard abundance is still below average this year at southern areas of the flyways. If it doesn't freeze, mallards simply don't come south.

**MALLARD AND BLACK DUCK (WSI threshold = 5)**

Month	Day	Manitoba Churchill	North Dakota Devils Lake	Michigan Green Bay	Iowa Des Moines	Ohio Columbus	Tennessee Memphis	Ontario Ottawa	New York Syracuse	DC Washington	North Carolina Charlotte
1	14	No more forecast, froze out	No more forecast, froze out	6	4	8	-2	No more forecast, froze out	10	3	-4
1	15			6	4	5	-6		6	3	-5
1	16			11	6	6	-10		11	0	-7
1	17			10	6	5	-11		12	0	-9
1	18			14	10	1	-9		7	0	-8
1	19			17	16	4	-7		12	-2	-6
1	20			21	20	20	-6		21	5	-6
1	21	No more forecast, froze out	No more forecast, froze out	14	12	19	-6	No more forecast, froze out	21	10	-5
1	22			13	13	3	-6		14	4	-4
1	23			16	15	3	-5		2	-5	-5
1	24			22	22	10	-5		7	-4	-5
1	25			28	23	16	-5		16	3	-5
1	26			24	21	17	-4		17	4	-5
1	27			26	19	17	-4		17	2	-5

**PINTAIL (WSI threshold = -4)**

Month	Day	Manitoba Churchill	North Dakota Devils Lake	Michigan Green Bay	Iowa Des Moines	Ohio Columbus	Tennessee Memphis	Ontario Ottawa	New York Syracuse	DC Washington	North Carolina Charlotte
1	14	No more forecast, froze out	No more forecast, froze out	16	9	19	-2	No more forecast, froze out	29	11	-4
1	15			19	10	17	-6		26	12	-5
1	16			25	13	18	-11		33	4	-7
1	17			26	14	20	-12		36	0	-10
1	18			32	27	9	-9		27	14	-8
1	19			38	37	20	-7		35	7	-9
1	20			45	42	40	3		56	16	0
1	21	No more forecast, froze out	No more forecast, froze out	40	36	41	-4	No more forecast, froze out	59	22	3
1	22			41	39	20	-7		53	17	-3
1	23			47	42	19	-1		25	4	-13
1	24			54	51	28	-1		31	-4	-7
1	25			61	54	36	3		42	4	0
1	26			59	53	38	-1		44	6	1
1	27			62	53	39	3		46	5	2

**GADWALL (WSI threshold = -7)**

Month	Day	Manitoba Churchill	North Dakota Devils Lake	Michigan Green Bay	Iowa Des Moines	Ohio Columbus	Tennessee Memphis	Ontario Ottawa	New York Syracuse	DC Washington	North Carolina Charlotte
1	14	No more forecast, froze out	No more forecast, froze out	19	9	13	-6	No more forecast, froze out	28	8	-5
1	15			21	10	17	-5		30	10	-4
1	16			24	12	19	-5		33	5	-4
1	17			25	13	22	-6		36	1	-5
1	18			27	24	13	-7		32	16	-5
1	19			31	29	21	-7		36	10	-6
1	20			37	33	27	-5		47	13	-5
1	21	No more forecast, froze out	No more forecast, froze out	39	35	30	-6	No more forecast, froze out	52	15	-3
1	22			44	39	25	-7		54	17	-5
1	23			47	42	24	-6		34	12	-6
1	24			49	45	27	-5		36	-1	-6
1	25			53	49	30	-2		38	0	-4
1	26			56	52	34	-2		41	2	-2
1	27			59	54	37	0		44	4	0

**SHOVELER (WSI threshold = -9)**

Month	Day	Manitoba Churchill	North Dakota Deville Lake	Michigan Green Bay	Iowa Des Moines	Ohio Columbus	Tennessee Memphis	Ontario Ottawa	New York Syracuse	DC Washington	North Carolina Charlotte
1	14	No more forecast, froze out	No more forecast, froze out	19	9	13	-6	No more forecast, froze out	28	8	-5
1	15			21	10	17	-5		30	10	-4
1	16			24	12	19	-5		33	5	-4
1	17			25	13	22	-6		36	1	-5
1	18			27	24	13	-7		32	16	-5
1	19			31	29	21	-7		36	10	-6
1	20	No more forecast, froze out	No more forecast, froze out	37	33	27	-5	No more forecast, froze out	47	13	-5
1	21			39	35	30	-6		52	15	-3
1	22			44	39	25	-7		54	17	-5
1	23			47	42	24	-6		34	12	-6
1	24			49	45	27	-5		36	-1	-6
1	25			53	49	30	-2		38	0	-4
1	26			56	52	34	-2		41	2	-2
1	27			59	54	37	0		44	4	0

**WIGEON and GREEN-WINGED TEAL (WSI threshold = -10)**

Month	Day	Manitoba Churchill	North Dakota Deville Lake	Michigan Green Bay	Iowa Des Moines	Ohio Columbus	Tennessee Memphis	Ontario Ottawa	New York Syracuse	DC Washington	North Carolina Charlotte
1	14	No more forecast, froze out	No more forecast, froze out	19	9	13	-6	No more forecast, froze out	28	8	-5
1	15			21	10	17	-5		30	10	-4
1	16			24	12	19	-5		33	5	-4
1	17			25	13	22	-6		36	1	-5
1	18			27	24	13	-7		32	16	-5
1	19			31	29	21	-7		36	10	-6
1	20	No more forecast, froze out	No more forecast, froze out	37	33	27	-5	No more forecast, froze out	47	13	-5
1	21			39	35	30	-6		52	15	-3
1	22			44	39	25	-7		54	17	-5
1	23			47	42	24	-6		34	12	-6
1	24			49	45	27	-5		36	-1	-6
1	25			53	49	30	-2		38	0	-4
1	26			56	52	34	-2		41	2	-2
1	27			59	54	37	0		44	4	0