

## 24 December – 30 December 2018 DUCK MIGRATION FORECAST

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**OVERVIEW:** Mild temperatures and heavy rains are forecast throughout mid to northern latitudes of the Mississippi and Atlantic Flyway for the coming week. Already abundant habitat will likely gain an increase with short-term flooding into additional areas.

**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 little to no migratory movement this coming week for mallards and black ducks which remain at peak abundance at mid-latitude locations. Most early migrating dabbling ducks are at the latitude of Memphis, Tennessee (MS Flyway) and Chesapeake Bay (AT Flyway) or farther south and their daily abundance is likely influenced by food availability and hunting disturbance at this point of the season. Heavy rains (> 1 inch) are expected to occur in the Mississippi (Wed – Thurs) and Atlantic Flyways (Thurs – Fri) and will produce abundant flooded habitat that will likely stall migration for the coming week.

### 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
12	17	No more forecast, froze out	No more forecast, froze out	12	-3	-1	-7	17	2	-6	-9
12	18			4	-6	0	-8	20	6	-2	-7
12	19			3	-4	-4	-11	14	1	-5	-8
12	20			5	0	-7	-7	13	-4	-9	-11
12	21			8	0	-4	-4	10	-7	-11	-8
12	22			4	1	-1	-8	15	-2	-6	-6
12	23			1	1	-2	-6	22	3	-6	-6
12	24	No more forecast, froze out	No more forecast, froze out	5	-2	0	-7	23	2	-3	-5
12	25			3	-3	0	-9	23	5	-2	-5
12	26			2	-4	-3	-12	24	5	-4	-7
12	27			-3	-5	-9	-13	23	1	-7	-10
12	28			2	5	-7	-8	15	-6	-13	-15
12	29			8	5	-2	-5	25	1	-9	-13
12	30			6	2	0	-5	28	4	-4	-9

### 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
12	17	No more forecast, froze out	No more forecast, froze out	43	-3	0	-8	63	3	-6	-9
12	18			22	-6	2	-9	69	8	-2	-7
12	19			21	-5	-5	-11	62	4	-5	-9
12	20			22	0	-7	-8	60	-4	-9	-12
12	21			27	2	-4	-5	52	-7	-11	-8
12	22			6	3	-1	-8	59	-2	-6	-7
12	23			3	4	-3	-6	69	7	-6	-6
12	24	No more forecast, froze out	No more forecast, froze out	10	-2	1	-8	72	10	-4	-5
12	25			10	-3	1	-9	75	14	-3	-6
12	26			10	-5	-3	-13	77	16	-4	-8
12	27			-3	-5	-10	-14	78	8	-8	-11
12	28			4	6	-8	-9	68	-6	-14	-16
12	29			12	7	-2	-5	79	2	-9	-14
12	30			12	4	1	-5	84	6	-4	-9

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

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
12	17	No more forecast, froze out	No more forecast, froze out	41	-1	-2	-7	63	3	-6	-6
12	18			25	-2	-1	-8	65	4	-6	-7
12	19			24	-3	-4	-9	64	5	-6	-8
12	20			23	-2	-5	-9	63	-1	-7	-9
12	21			25	-1	-5	-8	56	-1	-8	-9
12	22			2	1	-4	-8	59	-1	-8	-9
12	23			3	2	-3	-8	63	4	-7	-9
12	24	No more forecast, froze out	No more forecast, froze out	7	-2	-2	-8	67	9	-7	-8
12	25			10	-2	-1	-8	70	11	-6	-8
12	26			11	-2	-3	-8	72	13	-6	-8
12	27			1	-2	-4	-9	75	8	-7	-8
12	28			4	0	-4	-9	74	-1	-7	-8
12	29			7	2	-3	-9	78	1	-7	-9
12	30			9	3	-2	-9	81	3	-6	-9

**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
12	17	No more forecast, froze out	No more forecast, froze out	41	-1	-2	-7	63	3	-6	-6
12	18			25	-2	-1	-8	65	4	-6	-7
12	19			24	-3	-4	-9	64	5	-6	-8
12	20			23	-2	-5	-9	63	-1	-7	-9
12	21			25	-1	-5	-8	56	-1	-8	-9
12	22			2	1	-4	-8	59	-1	-8	-9
12	23			3	2	-3	-8	63	4	-7	-9
12	24	No more forecast, froze out	No more forecast, froze out	7	-2	-2	-8	67	9	-7	-8
12	25			10	-2	-1	-8	70	11	-6	-8
12	26			11	-2	-3	-8	72	13	-6	-8
12	27			1	-2	-4	-9	75	8	-7	-8
12	28			4	0	-4	-9	74	-1	-7	-8
12	29			7	2	-3	-9	78	1	-7	-9
12	30			9	3	-2	-9	81	3	-6	-9

**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
12	17	No more forecast, froze out	No more forecast, froze out	41	-1	-2	-7	63	3	-6	-6
12	18			25	-2	-1	-8	65	4	-6	-7
12	19			24	-3	-4	-9	64	5	-6	-8
12	20			23	-2	-5	-9	63	-1	-7	-9
12	21			25	-1	-5	-8	56	-1	-8	-9
12	22			2	1	-4	-8	59	-1	-8	-9
12	23			3	2	-3	-8	63	4	-7	-9
12	24	No more forecast, froze out	No more forecast, froze out	7	-2	-2	-8	67	9	-7	-8
12	25			10	-2	-1	-8	70	11	-6	-8
12	26			11	-2	-3	-8	72	13	-6	-8
12	27			1	-2	-4	-9	75	8	-7	-8
12	28			4	0	-4	-9	74	-1	-7	-8
12	29			7	2	-3	-9	78	1	-7	-9
12	30			9	3	-2	-9	81	3	-6	-9