

8 – 14 October 2018 DUCK MIGRATION FORECAST

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OVERVIEW: As predicted for last week, western Canada and the US prairies received cooler temperatures relative to much of North America, and snow occurred regionally. Specifically, the Canadian prairies and central North Dakota received measurable snowfall. In contrast, mid-latitudes of the Mississippi Flyway and the majority of the Atlantic Flyway will remain relatively warm through mid-week. Temperatures will decline later in the week throughout the Mississippi and Atlantic Flyways.

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: Few areas have WSI values great enough to predict southward movements of mallards and black ducks, although small numbers of these ducks are predicted to move south this week and arrive throughout the Mississippi and Atlantic Flyways. Mostly our WSI predicts movements of gadwall, wigeon, green-winged teal, and shoveler out of the prairies this week, with lesser movements of pintails in this same region. The WSI predicts that mallard abundance is approaching peak in the southern Canadian and northern US prairies. Following a mid-week warm-up, WSI values increase later in the week throughout the Mississippi and Atlantic Flyways and predict greater potential for duck migration relative to early and mid-week.

MALLARD AND BLACK DUCK (WSI threshold = 5)

Month	Day	Manitoba	North Dakota	Michigan	Iowa	Ohio	Tennessee	Ontario	New York	DC	North Carolina
		Churchill	Devil's Lake	Green Bay	Des Moines	Columbus	Memphis	Ottawa	Syracuse	Washington	Charlotte
10	1	-2	-6	-10	-12	-21	-24	-10	-12	-21	-21
10	2	-1	-11	-11	-13	-23	-25	-9	-15	-23	-21
10	3	2	-4	-19	-21	-23	-26	-11	-13	-24	-23
10	4	4	-1	-13	-8	-19	-26	-15	-15	-24	-24
10	5	3	0	-8	-12	-16	-25	-6	-9	-20	-25
10	6	2	-2	-11	-10	-24	-25	-7	-16	-20	-24
10	7	4	-2	-11	-14	-23	-24	-10	-12	-23	-23
10	8	3	-2	-18	-20	-24	-26	-10	-20	-23	-23
10	9	5	-1	-20	-15	-23	-25	-20	-21	-22	-22
10	10	5	2	-11	-6	-20	-19	-18	-21	-23	-23
10	11	4	2	-4	-5	-11	-13	-13	-14	-18	-20
10	12	5	-2	-3	-3	-10	-14	-5	-8	-12	-17
10	13	6	0	-5	-6	-8	-13	-5	-7	-12	-16
10	14	7	0	-4	-5	-8	-13	-5	-8	-12	-15

PINTAIL (WSI threshold = -4)

Month	Day	Manitoba	North Dakota	Michigan	Iowa	Ohio	Tennessee	Ontario	New York	DC	North Carolina
		Churchill	Devil's Lake	Green Bay	Des Moines	Columbus	Memphis	Ottawa	Syracuse	Washington	Charlotte
10	1	-2	-5	-11	-13	-23	-26	-10	-13	-23	-23
10	2	-1	-11	-12	-14	-24	-27	-9	-16	-24	-23
10	3	2	-5	-20	-23	-24	-28	-11	-14	-25	-24
10	4	4	3	-14	-9	-21	-28	-16	-16	-26	-26
10	5	3	6	-9	-13	-17	-27	-7	-10	-22	-26
10	6	2	5	-11	-11	-26	-27	-8	-18	-21	-25
10	7	4	6	-12	-15	-25	-26	-10	-13	-24	-24
10	8	3	-3	-20	-21	-26	-28	-11	-22	-24	-24
10	9	5	0	-21	-16	-24	-26	-21	-23	-24	-24
10	10	5	3	-12	-7	-21	-21	-19	-23	-25	-25
10	11	4	4	-4	-5	-12	-14	-14	-15	-19	-21
10	12	5	-3	-3	-3	-11	-16	-6	-8	-13	-18
10	13	6	0	-5	-6	-9	-14	-5	-7	-13	-17
10	14	7	1	-4	-5	-9	-14	-6	-8	-13	-16

GADWALL (WSI threshold = -7)

Month	Day	Manitoba	North Dakota	Michigan	Iowa	Ohio	Tennessee	Ontario	New York	DC	North Carolina
		Churchill	Devil's Lake	Green Bay	Des Moines	Columbus	Memphis	Ottawa	Syracuse	Washington	Charlotte
10	1	1	-6	-11	-13	-19	-23	-12	-14	-22	-24
10	2	2	-6	-11	-14	-20	-23	-12	-14	-22	-24
10	3	4	0	-12	-13	-20	-23	-12	-14	-22	-24
10	4	5	3	-11	-13	-20	-25	-11	-13	-23	-24
10	5	6	3	-11	-12	-21	-26	-10	-13	-23	-24
10	6	7	5	-12	-13	-22	-26	-10	-14	-23	-24
10	7	8	-4	-13	-15	-23	-27	-10	-15	-24	-24
10	8	10	-3	-15	-15	-23	-27	-12	-16	-24	-25
10	9	12	0	-15	-14	-23	-26	-13	-17	-24	-25
10	10	13	2	-13	-12	-21	-24	-13	-17	-23	-24
10	11	13	-1	-12	-11	-20	-23	-12	-16	-22	-23
10	12	15	0	-11	-11	-19	-21	-12	-16	-21	-22
10	13	16	1	-10	-10	-17	-20	-12	-15	-20	-21
10	14	19	5	-6	-5	-11	-13	-7	-10	-13	-15

SHOVELER (WSI threshold = -9)

Month	Day	Manitoba	North Dakota	Michigan	Iowa	Ohio	Tennessee	Ontario	New York	DC	North Carolina
		Churchill	Devil's Lake	Green Bay	Des Moines	Columbus	Memphis	Ottawa	Syracuse	Washington	Charlotte
10	1	1	-6	-11	-13	-19	-23	-12	-14	-22	-24
10	2	2	-6	-11	-14	-20	-23	-12	-14	-22	-24
10	3	4	0	-12	-13	-20	-23	-12	-14	-22	-24
10	4	5	3	-11	-13	-20	-25	-11	-13	-23	-24
10	5	6	3	-11	-12	-21	-26	-10	-13	-23	-24
10	6	7	5	-12	-13	-22	-26	-10	-14	-23	-24
10	7	8	-4	-13	-15	-23	-27	-10	-15	-24	-24
10	8	10	-3	-15	-15	-23	-27	-12	-16	-24	-25
10	9	12	0	-15	-14	-23	-26	-13	-17	-24	-25
10	10	13	2	-13	-12	-21	-24	-13	-17	-23	-24
10	11	13	-1	-12	-11	-20	-23	-12	-16	-22	-23
10	12	15	0	-11	-11	-19	-21	-12	-16	-21	-22
10	13	16	1	-10	-10	-17	-20	-12	-15	-20	-21
10	14	19	5	-6	-5	-11	-13	-7	-10	-13	-15

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

Month	Day	Manitoba	North Dakota	Michigan	Iowa	Ohio	Tennessee	Ontario	New York	DC	North Carolina
		Churchill	Devil's Lake	Green Bay	Des Moines	Columbus	Memphis	Ottawa	Syracuse	Washington	Charlotte
10	1	1	-6	-11	-13	-19	-23	-12	-14	-22	-24
10	2	2	-6	-11	-14	-20	-23	-12	-14	-22	-24
10	3	4	0	-12	-13	-20	-23	-12	-14	-22	-24
10	4	5	3	-11	-13	-20	-25	-11	-13	-23	-24
10	5	6	3	-11	-12	-21	-26	-10	-13	-23	-24
10	6	7	5	-12	-13	-22	-26	-10	-14	-23	-24
10	7	8	-4	-13	-15	-23	-27	-10	-15	-24	-24
10	8	10	-3	-15	-15	-23	-27	-12	-16	-24	-25
10	9	12	0	-15	-14	-23	-26	-13	-17	-24	-25
10	10	13	2	-13	-12	-21	-24	-13	-17	-23	-24
10	11	13	-1	-12	-11	-20	-23	-12	-16	-22	-23
10	12	15	0	-11	-11	-19	-21	-12	-16	-21	-22
10	13	16	1	-10	-10	-17	-20	-12	-15	-20	-21
10	14	19	5	-6	-5	-11	-13	-7	-10	-13	-15