

## 19 November – 25 November 2018 DUCK MIGRATION FORECAST

Michael L. Schummer, Roosevelt Waterfowl Ecologist, SUNY College of Environmental Science and Forestry, 1 Forestry Drive, Syracuse, NY 13210

**OVERVIEW:** A **deep freeze** comes early in the week for the Mississippi Flyway and mid-week for the Atlantic Flyway. Snowfall is predicted to be minimal in most locations this coming week, with greatest chance of snow in the Great Lakes region of the upper mid-west and Atlantic Flyway.

**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 that mallards will begin movement out of the Great Lakes region in the Mississippi and Atlantic Flyways this week, with those movements most likely early in the week for the Mississippi and mid-week in the Atlantic Flyway. Following this cold clipper, temperatures will moderate and a thaw may provide some flooded habitat for remaining mallards at these northern latitudes. Our WSI also predicts that most early migrating dabbling ducks should be at mid to southern latitudes at this time. Mid-week, around Thanksgiving, will be the greatest likelihood of early migrant dabbling ducks moving into the southern portions of the flyways.

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

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
11	8	No more f froze	13	0	0	-3	-11	-4	-5	-12	-15
11	9		14	4	5	-3	-6	0	-2	-9	-10
11	10		12	4	7	2	-2	1	-2	-5	-6
11	11		12	3	-1	0	-5	4	0	-4	-4
11	12	No more forecast, froze out	15	5	5	-2	-6	2	-2	-6	-4
11	13		12	10	6	-1	-1	6	-1	-8	-8
11	14		7	8	1	2	2	11	5	-5	-6
11	15		7	5	-2	0	-2	11	6	-2	-4
11	16		15	0	-5	-2	-7	8	4	-6	-7
11	17		19	6	2	-5	-11	8	4	-7	-9
11	18		15	8	6	-7	-12	12	4	-6	-8
11	19		23	8	5	-2	-6	8	4	-9	-13
11	20		14	8	3	0	-3	13	6	-5	-8
11	21		14	9	0	0	-6	17	11	-3	-7
11	22	No more forecast, froze out	11	1	-5	1	-10	19	16	2	-5
11	23		13	-4	-3	-7	-10	14	9	-3	-6
11	24		19	-2	-4	-7	-11	10	1	-10	-9
11	25		22	-1	2	-7	-10	9	1	-9	-11

**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
11	8	No more forecast, No more froze	19	1	2	-3	-12	-4	-5	-13	-16
11	9		22	7	10	-3	-6	1	-2	-9	-11
11	10		22	10	10	3	-2	8	-2	-6	-7
11	11		23	11	-1	1	-5	14	2	-4	-4
11	12		34	13	6	-3	-6	12	1	-6	-4
11	13	No more forecast, No more froze out	32	19	8	-1	-1	20	5	-8	-8
11	14		27	20	3	3	2	27	15	-6	-6
11	15		27	17	-2	1	1	29	16	1	-4
11	16		37	7	-5	-2	-6	35	24	-7	-7
11	17		44	14	3	-5	-12	36	28	-7	-9
11	18	No more forecast, No more froze out	40	18	15	-8	-13	42	21	-6	-9
11	19		49	20	15	-3	-6	39	23	-10	-14
11	20		41	21	13	1	-4	47	28	-5	-8
11	21		43	24	4	2	-6	54	37	-3	-8
11	22		41	6	-6	4	-11	57	43	3	-5
11	23		45	-3	-3	-7	-11	53	38	-3	-7
11	24		52	-3	-4	-8	-12	51	18	-11	-10
11	25		58	0	2	-8	-11	50	16	-10	-12

**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
11	8	No more forecast, No more froze	10	-3	-3	-9	-13	-5	-8	-14	-15
11	9		14	1	2	-8	-12	-4	-7	-13	-14
11	10		18	5	3	-5	-11	4	-6	-11	-13
11	11		21	8	-1	-3	-10	7	-3	-10	-12
11	12		31	10	2	-5	-9	10	-1	-10	-12
11	13	No more forecast, No more froze out	34	14	4	-3	-8	15	2	-9	-10
11	14		34	17	6	-1	-4	19	8	-8	-9
11	15		34	19	2	1	-1	23	10	-4	-8
11	16		36	12	2	-1	-1	34	23	-6	-7
11	17		38	14	2	-1	-5	37	27	-6	-6
11	18	No more forecast, No more froze out	39	16	10	-2	-6	39	22	-6	-7
11	19		42	19	13	-2	-6	41	24	-7	-8
11	20		43	21	13	-1	-6	45	28	-7	-8
11	21		45	22	6	0	-6	49	33	-6	-8
11	22		47	9	0	1	-8	52	36	-4	-8
11	23		49	2	0	-3	-9	53	38	-5	-8
11	24		51	2	0	-4	-9	56	24	-5	-9
11	25		53	2	1	-4	-9	57	21	-6	-9

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

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
11	8	No more forecast, No more froze	10	-3	-3	-9	-13	-5	-8	-14	-15
11	9		14	1	2	-8	-12	-4	-7	-13	-14
11	10		18	5	3	-5	-11	4	-6	-11	-13
11	11		21	8	-1	-3	-10	7	-3	-10	-12
11	12		31	10	2	-5	-9	10	-1	-10	-12
11	13	No more forecast, No more froze out	34	14	4	-3	-8	15	2	-9	-10
11	14		34	17	6	-1	-4	19	8	-8	-9
11	15		34	19	2	1	-1	23	10	-4	-8
11	16		36	12	2	-1	-1	34	23	-6	-7
11	17		38	14	2	-1	-5	37	27	-6	-6
11	18	No more forecast, No more froze out	39	16	10	-2	-6	39	22	-6	-7
11	19		42	19	13	-2	-6	41	24	-7	-8
11	20		43	21	13	-1	-6	45	28	-7	-8
11	21		45	22	6	0	-6	49	33	-6	-8
11	22		47	9	0	1	-8	52	36	-4	-8
11	23		49	2	0	-3	-9	53	38	-5	-8
11	24		51	2	0	-4	-9	56	24	-5	-9
11	25		53	2	1	-4	-9	57	21	-6	-9

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

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
11	8	No more forecast, froze out	10	-3	-3	-9	-13	-5	-8	-14	-15
11	9		14	1	2	-8	-12	-4	-7	-13	-14
11	10		18	5	3	-5	-11	4	-6	-11	-13
11	11		21	8	-1	-3	-10	7	-3	-10	-12
11	12	No more forecast, froze out	31	10	2	-5	-9	10	-1	-10	-12
11	13		34	14	4	-3	-8	15	2	-9	-10
11	14		34	17	6	-1	-4	19	8	-8	-9
11	15		34	19	2	1	-1	23	10	-4	-8
11	16		36	12	2	-1	-1	34	23	-6	-7
11	17		38	14	2	-1	-5	37	27	-6	-6
11	18	No more forecast, froze out	39	16	10	-2	-6	39	22	-6	-7
11	19		42	19	13	-2	-6	41	24	-7	-8
11	20		43	21	13	-1	-6	45	28	-7	-8
11	21		45	22	6	0	-6	49	33	-6	-8
11	22		47	9	0	1	-8	52	36	-4	-8
11	23		49	2	0	-3	-9	53	38	-5	-8
11	24		51	2	0	-4	-9	56	24	-5	-9
11	25	53	2	1	-4	-9	57	21	-6	-9	