

1 – 13 October 2019 revised DUCK MIGRATION FORECAST

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

OVERVIEW: Warm conditions persist for early-October this coming week east of North Dakota. Migration is just getting going in most areas with many ducks making initial movements out of northern latitude breeding areas later than normal. Hatch-year (juvenile) ducks and failed breeders often move south to initial staging areas well-ahead of weather getting severe enough for them having to move south. At least in the Atlantic Flyway, delays in movement of hatch-year ducks was likely caused by late- nesting and brood-rearing because of cold and wet conditions in May-June that delayed nesting or caused losses of first nests. As such, hunters are reporting fewer ducks than normal in the northern US as seasons opened this week. Those ducks available were likely the few local breeders (primarily wood ducks and mallards) and some failed nesting adults of other species that started moving south. We expect that weather in October will push the hatch-year birds south soon, or they will have advanced enough physiologically to make their initial movements south in the coming weeks. The majority of predicted duck movement this week only occurs out of the most northern locales in our WSI area in the Mississippi Flyway where snow hits the prairies. Moderate temperatures prevail in the Atlantic Flyway and are predicted to persist in the coming week. Rains in the Great Lakes region are likely to increase wetland availability as pools in managed areas fill for the coming migration that primarily occurs early-November through December in this region. The theme for this week, is little to no migration other than some early migrants out of the Canadian and US prairie; ‘stale’ local ducks following opening days should be expected in 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. Little to no mallard and black duck migration, with moderate movements of early migrant such as gadwall, wigeon, green-winged teal and shovelers out of the prairies. In the east, expect little to no migration in the coming week of all species except small movements of wigeon and green-winged teal. There are no major weather systems that would predict early duck movements of gadwall, wigeon, shoveler, or green-winged teal, rather a slow movement of these ducks south is expected throughout the week, but it will not be measurable or noticeable to most hunters.

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
10	1	-2	-3	-17	-23	-25	-22	-12	-13	-24	-25
10	2	-4	-2	-11	-15	-25	-21	-11	-22	-27	-27
10	3	-4	-3	-11	-10	-25	-23	-5	-15	-23	-26
10	4	-8	-5	-8	-9	-14	-18	-6	-11	-18	-25
10	5	-6	-7	-11	-12	-14	-16	-5	-9	-13	-24
10	6	-4	-10	-13	-11	-18	-18	-11	-8	-18	-19
10	7	-6	-12	-11	-13	-12	-11	-9	-13	-21	-21
10	8	-5	-13	-13	-14	-14	-12	-10	-12	-16	-18
10	9	-1	-5	-15	-16	-14	-17	-10	-11	-16	-18
10	10	-2	1	-16	-12	-18	-19	-11	-11	-15	-18
10	11	-3	3	-10	-4	-18	-8	-10	-11	-16	-19
10	12	-2	3	-4	-6	-9	-5	-10	-13	-17	-19
10	13	-3	4	-4	-5	-10	-8	-7	-12	-13	-17

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
10	1	-2	-4	-18	-24	-27	-23	-13	-14	-25	-27
10	2	-4	-7	-12	-16	-27	-23	-12	-24	-29	-29
10	3	-4	-6	-12	-11	-27	-24	-6	-16	-25	-28
10	4	-8	-5	-9	-10	-16	-19	-6	-12	-20	-27
10	5	-6	-5	-12	-13	-16	-17	-5	-9	-14	-25
10	6	-5	-6	-14	-12	-19	-19	-11	-8	-20	-21
10	7	-6	-6	-12	-14	-13	-12	-10	-14	-22	-22
10	8	-5	-7	-14	-15	-16	-13	-10	-13	-17	-19
10	9	-1	-8	-16	-17	-15	-18	-11	-12	-17	-19
10	10	-2	-1	-17	-13	-19	-20	-12	-12	-16	-19
10	11	-3	14	-10	-4	-19	-9	-11	-12	-17	-20
10	12	-3	17	-4	-6	-9	-6	-11	-14	-18	-21
10	13	-3	20	-4	-5	-11	-9	-8	-13	-14	-18

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
10	1	1	-4	-12	-15	-18	-18	-9	-12	-19	-21
10	2	-2	-7	-16	-19	-24	-23	-13	-17	-25	-27
10	3	-2	-6	-15	-18	-25	-23	-12	-17	-25	-27
10	4	-3	-5	-14	-18	-24	-23	-11	-17	-24	-28
10	5	-3	-5	-14	-17	-23	-22	-10	-16	-23	-27
10	6	-4	-6	-14	-16	-23	-22	-9	-14	-23	-27
10	7	-5	-6	-14	-16	-21	-20	-9	-14	-22	-26
10	8	-5	-7	-13	-14	-20	-19	-9	-14	-22	-25
10	9	-5	-8	-12	-14	-18	-18	-9	-13	-21	-24
10	10	-5	-1	-13	-13	-17	-18	-9	-12	-19	-23
10	11	-5	14	-13	-12	-16	-16	-10	-11	-18	-22
10	12	-4	17	-12	-12	-16	-14	-10	-12	-18	-21
10	13	-4	20	-11	-11	-15	-13	-10	-12	-18	-20

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
10	1	1	-4	-12	-15	-18	-18	-9	-12	-19	-21
10	2	-2	-7	-16	-19	-24	-23	-13	-17	-25	-27
10	3	-2	-6	-15	-18	-25	-23	-12	-17	-25	-27
10	4	-3	-5	-14	-18	-24	-23	-11	-17	-24	-28
10	5	-3	-5	-14	-17	-23	-22	-10	-16	-23	-27
10	6	-4	-6	-14	-16	-23	-22	-9	-14	-23	-27
10	7	-5	-6	-14	-16	-21	-20	-9	-14	-22	-26
10	8	-5	-7	-13	-14	-20	-19	-9	-14	-22	-25
10	9	-5	-8	-12	-14	-18	-18	-9	-13	-21	-24
10	10	-5	-1	-13	-13	-17	-18	-9	-12	-19	-23
10	11	-5	14	-13	-12	-16	-16	-10	-11	-18	-22
10	12	-4	17	-12	-12	-16	-14	-10	-12	-18	-21
10	13	-4	20	-11	-11	-15	-13	-10	-12	-18	-20

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
10	1	1	-4	-12	-15	-18	-18	-9	-12	-19	-21
10	2	-2	-7	-16	-19	-24	-23	-13	-17	-25	-27
10	3	-2	-6	-15	-18	-25	-23	-12	-17	-25	-27
10	4	-3	-5	-14	-18	-24	-23	-11	-17	-24	-28
10	5	-3	-5	-14	-17	-23	-22	-10	-16	-23	-27
10	6	-4	-6	-14	-16	-23	-22	-9	-14	-23	-27
10	7	-5	-6	-14	-16	-21	-20	-9	-14	-22	-26
10	8	-5	-7	-13	-14	-20	-19	-9	-14	-22	-25
10	9	-5	-8	-12	-14	-18	-18	-9	-13	-21	-24
10	10	-5	-1	-13	-13	-17	-18	-9	-12	-19	-23
10	11	-5	14	-13	-12	-16	-16	-10	-11	-18	-22
10	12	-4	17	-12	-12	-16	-14	-10	-12	-18	-21
10	13	-4	20	-11	-11	-15	-13	-10	-12	-18	-20