

3 feet above usual height for this time of year and flowing freely. 2 eastern bluebirds left upper structure of bridge. Cardinal + red-bellied woodpecker in trees. Riparian community with 70% leaves on trees. Hillside trees about 50% leaves on trees and these predominately yellow-red-brown leaves of oaks. 08.0 now S to Clinton. 09.1 Clinton. 09.4 to S + return to Clinton. at 10.5 to S. 11.2 2 bluejays. 12.7 3 cardinals. 11.8 bridge over Rock Creek, flicker here, water flowing good. 12.6 to E. 5 crows. 13.7 main road (Ralph Goff) and end of complete census. Continued to Lone Star Lake and fished dam from E side to outlet tower. Caught 50 bluegills mostly 6 inches long. There would be local areas of a few feet along dam. 4' out from dam; where there would be a concentration of bluegills (up to 7 adults). Green sunfish rare. Kingfisher in cove to E. Occasional frog (*Rana pipiens*). An osprey hunted the edge of dam from E to W and flew about 30' above water. It continued S into main lake and dove 3 times without striking water but on the 4th dive went into the water. It then flew <sup>across lake</sup> S without further hunting. There was an abrupt temperature change with relatively mild temperatures (wind from S) and in less than a minute changed to a cold temp. (wind from W). This colder temperature made hands uncomfortable to operate fishing gear + coat had to be zipped and head hood installed on coat. I have never witnessed such an abrupt change of temperature.

Lawrence, Douglas Co., Kansas

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Noted 2 night hawks on Univ. Kansas Campus at 5:20 P.M. Temp today have been in the high 30's up to 41°F. Intermittent traces of snow from large isolated thunder clouds with blue sky separating these storm clouds. The sun has shown today for about the first time in a week. Last few days the cold has brought into the area an influx of ducks. According to Dr. William Coil, the ducks flying west could be easily heard calling while those flying east did not make sounds either because they did not make sounds or because of the direction of the wind which could have interfered with the ~~transmission~~ transmission of the calls.