
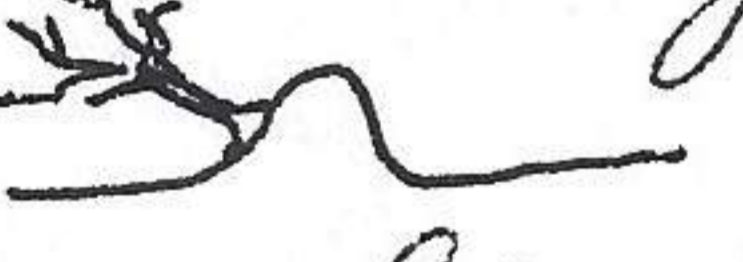


at head of channel of lake water, the water is open for 15 feet. Beyond (up drainage) is damp but free of ice. water is entering the lake water but is from subterranean source. 9:21 west side of drainage at lake contact. 9:25 2 tree sparrows. considerable microtine activity (*M. ochro.*) in 50' strip of weeds between lake and cut grass of open field. 9:30 considerable ice action all along shoreline. It is usually in the form of a single anticline of soil and vegetation and averaging 2 feet from shore . There is considerable variation in anticline from shallow to high arch, from overthrust to collapsed irregular structure. The greatest uniformity is distance from shoreline. Interstices offer good over-head protection to microtines, some with nests. This condition extends all the way along shoreline except in upper parts of side channels beyond the influence of ice action. Source of ice from the S or SSW. 9:40 head of 3rd bay. Lake water up channel to just beyond first "S" bend. water open in this channel and at upper part of bay. Good microtine activity along this channel and grasses beyond. In fact, all areas of grasses, especially those associated with swales, support runways. Beyond the upper end of channel, <sup>9:42</sup> is an abandoned (collapsed) windmill and associated cistern. Areas associated with windmill are in good grasses. 9:45 back to mouth of drainage at lake and now continuing to W. The ice action does not extend into bay. The highest anticline is approx 4'; some involving trees . 9:50 first evidence of ice buckling at shore. Thickness 12 inches or more. (9:53) east side of bay (high point) (boat ramp bay). The actual point is beyond on lower ground. 2 yellow-shafted flickers. Large flat rocks at this point. One purple colored erratic associated with flat rocks. *Microtus ochrogaster* in nest under piece of tin. 9:57 low point of E side of bay at lake. Water open from 30' E of point to within 30' of W side of bay and 140' up E side of shore on E side from point. This is the point that was open in winter when high winds excavated the ice. Water clear. no ice action on shorelines of bay. Sun is faintly registering thru clouds. Skies are clearing to N. 10:00 a large flat rock at edge of bay. 18 juncos and a yellow-shafted flicker associated with a small protected side bay. 10:03 fence line down to lake. 10:05 downy, 4 juncos, 3 tree sparrows.