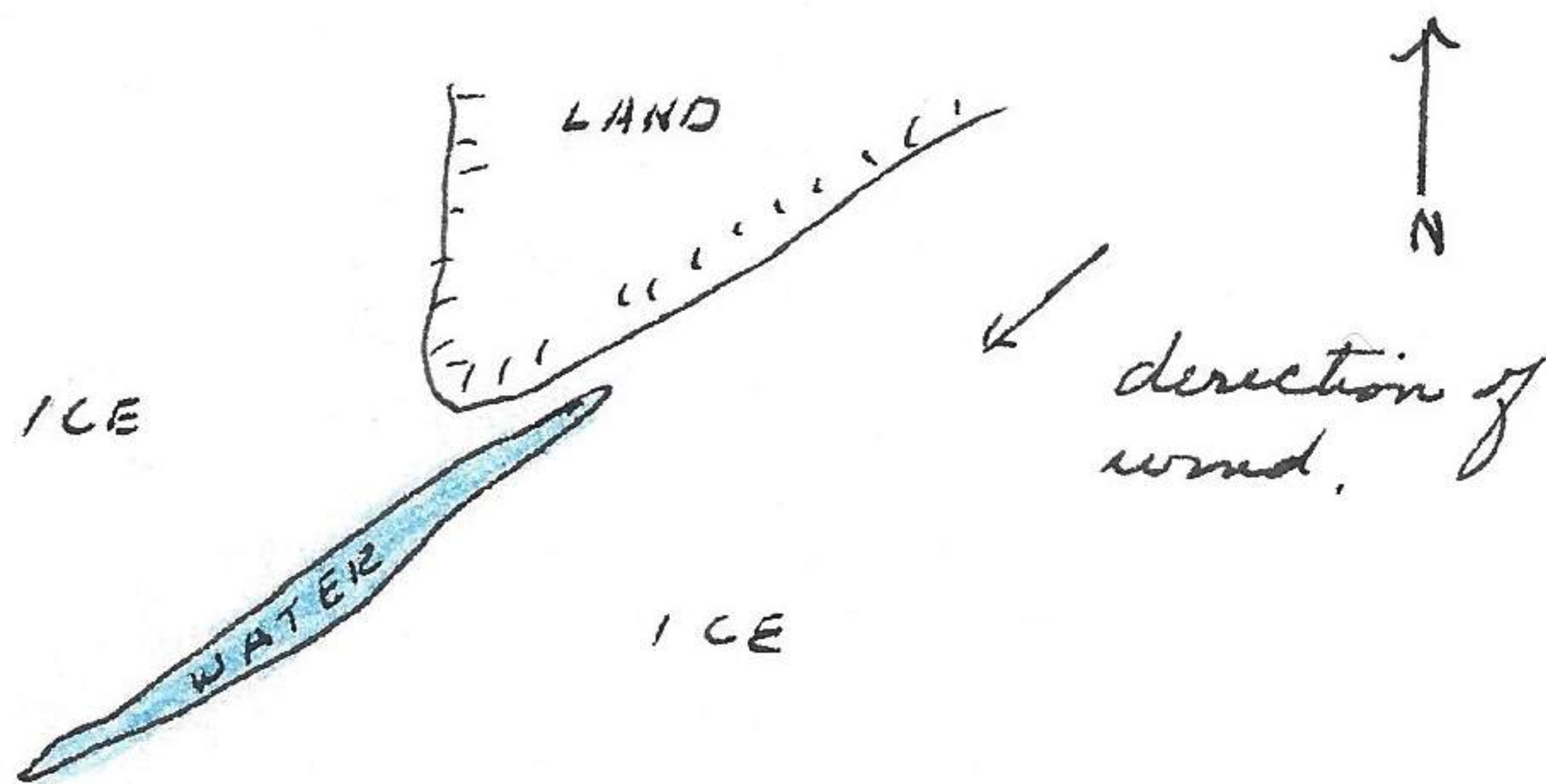


from 8 feet out from bank to about 40 feet from bank and increased in depth from 8 inches to 12-15 inches. Some of the ice formations made by waves are covered with snow. The ice of lake is at least 10 inches thick. Photo 700118-6 of design of crusted snow on ice. Left Hop Point at mileage 05.7 at 3:55 P.M. Some of the small birds had moved back into the orchard area. Continued up over ridge and down to boat ramp on east side at mileage 07.7. Across the bay is an open body of water extending SW from main point.

This body of water is approx.

70' long and 6 feet wide, tapering at upper and lower ends. The

axis is the same as the wind of the last few days and is from the NE to SW.



This open water is associated with a promontory and the direction of the wind, which at promontories is, for some reason, of higher velocity. The complete removal of snow from the ice is preparatory to open water formation. Whether the ice is eroded by currents below the ice or by wind over the ice is conjectural. These open bodies of

water associated with increased wind velocities should be investigated to see if open bodies of water (pockets in frozen lobes or ridges) are actually maintained by ducks or by winds or some other factor. Ducks definitely created these open bodies but whether they (the ducks) maintain them once formed. (See Jan. 17 for comparison with another open water formation in a lake that is otherwise completely sealed with ice.) It is my opinion that a narrow channel of wind is responsible for creating these open bodies of water. Left boat ramp and at 08.6 approx 18 tree sparrows. 08.8 main ridge road.

09.4 drainage.

10.7 main road. Temp 5°F. 12.0

slough creek bridge. 12.9 redtail. 13.3 redtail. 13.4

main road. 13.6 4 bluejays, 18 juncos & 30 tree sparrows.

They follow to end of fence row of trees and then fly across the road to corn field. 14.3 meadowlark. 14.5 SE entrance

to Park and end of census. 34.0 home in Lawrence. Temp 8°F in city.