

shoreline wherever conditions are favorable for these animals. In some areas the remains of these shells would average every 50' of shoreline. The live shells are on bottom of lake from almost shoreline to as deep as one can see in the water, generally from 1/2 foot depth to 6 feet. Some areas are common as 6 to 10 per sq. yard of lake bottom. The position of some of these aggregates of eaten shells would ~~probably~~ exclude the man as the factor in their collection and deposition on the shoreline. Most of the shells were adult or larger shells. At this camp noted a<sup>2</sup> Canada jays, <sup>Herring</sup> 2 gulls, *Eutamias consobrinus*. Temp 54°F this morning and 66°F at 1:30 P.M. Left camp at 1:30. Over first portage at 2:00, over second at 3:00. The third portage is short. These portages are picturesque and most interesting of the trip because of the rapids, falls, forest trails and more variety of scenery. Arrived camp on sand spit in Insula Lake at 8:00 P.M. As we approached this large island noted 2 white tailed deer in willows & white cedar at edge of water. At the previous <sup>4</sup> 3rd portage <sup>(of 105 sides)</sup> noted 2 pairs of American golden-eye ducks associated with rapids, 1 pr of black ducks, 1 Kingfisher, 1 spotted sandpiper. The ducks were the first ones noted today. Two other Kingfishers and 3 spotted sandpipers were previously noted today. In this part of Insula Lake noted 8 Herring gulls which indicates (gull-man index) the presence of campers and fish cleaning operations. Have noted beaver activity and house construction all along the way and compared to areas in Kansas would say that the population is considerably higher here. Small limbs cleaned of bark are most frequently seen along shore (in water). In areas of houses are trails leading into forests. White cedar high lined by groggy deer. Rained slightly this afternoon. Camp on pure sand and gravel and when wet sticks to everything that comes into contact with it. The least desirable (in wet weather) of any camp sites. It has the advantage in that water from rains passes immediately into sands and gravel and there is no sloppy conditions. Two dead trees in camp that were balanced and presented a hazard to the tent if a high wind were to develop. Deer tracks on all the sandy areas. 2 loons in area and remained in the main lake to E and S.