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superficial ^{trimming.} → This new soil, in the form of rubbish, debris and excrement created by the gulls will no doubt have repercussions unfavorable for the continual habitation of the island. If soils are formed that will tolerate the growth of such shrubs and trees as the poplar, willow, tamarix and chrysothamnus the island will become uninhabitable for the present population, at least, of gulls. An island in a fresh water lake such as this one with all the favorable means of invasion for plants has an exceptionally good chance to become populated, providing again, a favorable soil can be created upon the otherwise bare rocky surface. Such a soil is now in the process of formation, much to the misfortune of its creators. One only must realize that it was only a few years ago that the island was entirely submerged and without vegetation and then look at it today with its dense and growing areas of willow, tamarix etc to appreciate the fact the invasion can & is still continuing wherever soils permit. The fluctuating level of the lake and reaction of ice sheets may interfere with a forward march of the crowding vegetation toward its annihilation of habitat. Then again could it be possible that the present open areas free of vegetation now inhabited by the gulls be such as it is because of their own unfavorable reaction, on a surface of the island, inhibiting plant growth. It could be highly possible that new soils are interfering and not encouraging disaster. It would be very interesting to make a stratigraphical section of some of the inland ponds of the island to determine sedimentation. One might even find remains of forms previously inhabiting the island. Had opportunity today to witness some of the more cordent behavior activities of the gulls in relation to their concern and defense of their territories. The most interesting existing condition was the fact that the adult gulls were still tenaciously protecting their territorial areas in as much if not more attentive manner than during their egg laying and incubation periods. The few observations made regarding the activities of the birds are as follows:

1. All stages represented from eggs near hatching to young