

blue geese were in the same general area as has been used the last several weeks. ~~The~~ Gulls, except those resting on bar, ^{were} only observed at a rate of 1 per 3 minutes. The Canadian geese displaced ring-bill gulls on the bar. Many flock of geese called at about 8 calls per second. 40% are on shore, the rest in water at edge of shore. Some feed on shore up to 40' from water. Two of the Canadian geese while feeding on shore are conspicuously larger than the rest of the Canadian geese. Adult snow chase juvenile blue and the snow was then repulsed by an adult blue; a juvenile blue displaced a juvenile snow. No flying within flock. Adult snow displaced juvenile snow. At 11:30 to 11:35 there is flight of geese from east end to W end at the rate of 5 groups of 5 to 22 birds. Next 5 minutes without flight. After this initial flight they moved in groups of 10-15-3-22-4-32-6-4-2-17-8-6- in 3 minutes. Lack of gull activity in area. At 11:40 increase in flight of geese. While watching the geese notice the ²⁵ junco moved thru area for 20 minutes some remaining 10-15 minutes to feed in area. Redheaded woodpecker remained in area and concentrated work on top of dead tree with several holes. 11:52 redtail flew by without rousing concern of geese. One isolated snowgoose 200' from main group. At 11:57 east 1/3 of flock of geese left and flew W and in 2 seconds the middle half rose and followed to join & extend the flock of geese to the west. 3 seconds later ~~the~~ all geese on shoreline now left and joined the rest of the geese now off shore in middle of bay. During this mass movement of leaving shore and flying directly to middle of bay, the Canadian geese ^{on the} of sand bar in bay did not remove their heads from under their wings although the readjustment of the geese was taking place only some 150' beyond. The snows and blues swam in two directions, the ones on the W end continuing W for 200', the others moving back to shore ^{after 2 minutes after landing} in the same general areas as they were using before. While blue and snow geese were on water two shots were fired by quail hunters that were a quarter of a mile away and out of site. They quieted down for six seconds during which absolutely no sound was uttered by the geese. Ordinarily they are calling continuously (2-6 calls per second). At 12:20 part of geese on land but major part approaching land and the other group in bay.

Left Paradise Point (NW Corner) at 12:25 P.M. Up to this time no geese arrived or departed from area. 6.4 now left to Prairie area. 3000 mallards feeding & resting in or along banks of old Delaware River meanders now reexposed. It is

