

There is considerable movement of small groups (2-20) from one part of the bay to another especially short flights from the dam to the north as the wind blows them to the S. The snow geese maintain pure stand with mallards on peripheral areas to the raft of geese. I have never seen such an even and general distribution of mallards ^{on} a body of water. White-cop waves breaking in flock of geese and on mallards. The geese reacted to 4 planes that flew overhead and on each occasion flew & circled for 2 or 3 minutes to return to some general area. One Cessna plane flew about 30' above water from east part of lake to west side and the geese left water but could not gain sufficient altitude to evade plane so dove down to water level, being separated by the plane. The geese circled in compact flock when the two separated groups rejoined and then circled at about 400 feet as if they were leaving the area but finally they returned to W side of lake and alighted again in compact flock. This group behaviorism was serene and return to water slow & deliberate in contrast to flights from being disturbed by planes just flying overhead at 500 or 600 feet elevation. In the latter case they circled with a great amount of freedom and play, wheeling in unison, rising upward and gliding more abruptly to a landing. The movement of turns, ^{glides} descents or elevations were made in perfect synchrony and the behavior can not be explain on sight, or voice but must be based on learned maneuver like the performance of well trained ice partners who have developed and perfected certain skating routines. ^{and which has become reflexive.} The perfect performance of the blue and snow geese would indicate a very close, ^{specific} relationship as no two unrelated species could not perform so perfectly together.

8, ^{single} ringbill gulls hunted the area of geese & ducks but were not directly concerned with the geese or ducks as occasionally the case with a raft of ducks.

Will check raising of wings of the geese while in flock formation on the water. = 25 in 5 min. period.

Between my arrival and 10:45 the snow & blue geese have moved N against the wind the length of the raft or about 200 feet. Continued to prom peninsula on W side and on the NE corner and out 200' were 26 ringbilled gulls floating on water with white caps. Gulls have always preferred this point either on shore or in water.

Left 10:45 and at junction with main road 2 redtails, 2 bluejays & 10 tree sparrows. Continued ^E to dam arriving at 93.2. ^{at W end} A double crested cormorant stood on limb in water with wings outstretched.