

returned the same way. The Franklin gull population is now  $\approx 110$  fewer than previous period after gulls returned. <sup>Some gulls</sup> They seem to be leaving the area with each disturbance. At 1:48 Franklin gulls left, some started to return immediately, others up and down the channel and as usual others gained high altitude. 95% back again in about 2 minutes. Temperature  $74^{\circ}\text{F}$  18 blues and 6 snow geese flew down channel from E but did not stop. 2:02 Franklins left, pelicans became alerted. Franklins started to return in 2 minutes <sup>then left a second time at 2:04</sup> 75% per cent returned but rest high in sky. At this time estimate 50% of Franklins moved South, mostly from high sky. Sky now looks like a swarm of crickets. 2:20 Franklin gulls have been leaving flock in a gradual departure of 5 to 200 birds or so and at 2:20 the flock on the sandbar is about  $\frac{1}{5}$  the original number (120,000). They circle E at then at a certain altitude sail without much wingbeat to the S. 2:30 Pelicans still resting. Earlier they moved E to resting sand bar and at that time they fished for a period of time. Mud flats with roving bands of coat moving about like antelopes on the Serengeti Plains. 2:40 Franklins still leaving in small groups or individuals. Whatever caused the gulls to leave is influencing the resting pelicans. There is an increase in wing stretching among Franklin gulls, preparing for departure. None of them are going west down channel which has been the usual direction in temporary displacement of the gulls as has occurred several times earlier. 2:45 definite <sup>increase</sup> departure of gulls. This in east show increased pepper effect. Departing at 7-10 per second. At 2:50 approx 8,000 gulls remain. 3:52 all Franklin left except ring-billed gulls. 1600 Franklin have returned from the last complete departure noted above. 240 ring-billed gulls on bar and they have not participated in the activity of the departing Franklin gulls. 3:00 Pelicans are stirring. Wind now from SE to E. The 1600 Franklins are stabilized and only occasional gull is leaving. Sun out for first time, clouds have been high and thin. Left 3:15 Pelicans increasing activity and approx. 1000 Franklin gulls remain, but few still leaving to E then S. 97.7 killdeer in field. 98.3 cannot see roft of gulls in bay S of the Paradise peninsula, <sup>sparrow hawk</sup> 99.4 gates. 09.8 robin at big Slough area 68 ring-billed gulls in Big Slough Bay to E. 14.1 SE corner Reservoir area. Will check water level at gates. 891.2 ft. 3 redtail hawks hovering S side dam on up currents. 3 rofts 75 each duck N + NW of gates. Did not keep complete census back to Lawrence.