

6:40. Adult bald eagle flewⁿ past Bee House. The eagle was 60' above the water and 40' from house.

7:01 A.M. 4 American crows flew from Bee House to Leo Reef and then after 21 min later flew to Flower Island. nearly all crows return to Surf Bay beach from Bee House.

10:05 A.M. 3 ♀ rufous hummingbirds at feeder at Bee House.

10:15 A.M. Adult ♀ and fawn mule deer at ^{Bee House} feeder, left and returned 20 mins later. After feeding again the walk north to old beach level which they had ignored most of winter.

11:30^{AM} - 12:00 P.M. observed group birds in a cooperative fishing maneuver in n Lopez Sound between Bee House and Leo Reef. The activity was in approx 40' diameter area. The interaction was as follows: 18 rhinoceros auklets, 13 red-necked grebe, 8 mallards (paired), 4 pelagic cormorants, 2 common murre (kept together), 2 pigeon guillemots (kept together), approx 85 glaucous-winged gulls, 2 harbor seals. The glaucous-winged gulls in concentrated area of 30' x 12' feet. Their action was continuous, some gulls rising 3-7' then diving straight down and in most cases completely submerging themselves. Other species oriented themselves in regular pattern. The cormorants swam thru mass of gulls and dove. The rhinoceros auklets swam from center of gull activity to outer edge of gulls. Red-necked grebes swam mainly beyond gulls, but occasionally into gull area. Pigeon guillemot and common murre out 20'-30' and seldom closer. Marbled murrelet seldom closer than 50'. and rarely diving. In 10 minutes the gulls formed a loose aggregate without diving or fishing and finally dispersed, most or 95% flew to Flower Island from which they came. The diving birds moved in loose formation toward Leo Reef Rocks 10 and 11. and after 20 minutes dispersed in several directions. The rhinoceros auklets retain group formation and swim n. The entire action took approx. 25 minutes and moved with tide currents. After the approximately 85 gulls that came from Flower Island left ^{the island,} 17 ^{remained} gulls on Flower Island.

12:00 P.M. 24 harbor seal on Leo Reef and 5 on Little Flower Rock. The winter plumage of pigeon guillemot make them appear lighter than the other alcids.

12:05 first male rufous hummingbird^{this season} at Bee feeder, previous sex were ♀.

12:45 ♂ rufous hummingbird returned to feeder

12:46 first butterfly of season, a small whitish moth 3 weeks earlier. It was 1 1/2" wing spread and light brown