

April 15, 1990

16 mule deer at feeder at Bee House, one <sup>small one</sup> 25 inches high at shoulders. Antlers starting to grow. range in 30% of deer. A definite line of dominance established with older ♀ dominant. Thomomys on open slope E of Bee House.

Made circumnavigation of Lopez Island. Annette and I left in the Bee boat at 12:00 P.M. <sup>Shoal Bay</sup>. Will keep complete census of trip. In Shoal Bay 1 loon, 2 glaucous-winged gulls and 4 mew gulls. Upright Channel 1 common murre, 4 glaucous-winged gulls and 6 mew gulls. Flat Point. 1 double-crested cormorant. 1:26 P.M. Shark Reef. 1:30 P.M. Deadman Island. Glaucous-winged gulls on both whale racks. Whale Rocks 1:40 P.M. western grebe, rhinoceros auklet, glaucous-winged gulls on water. Long Island. Glaucous-winged gulls on Hall Island at 1:55 P.M. 2:11 P.M. Seberg Point, 2:44 Colville Island, glaucous-winged gulls and pigeon guillemot, 6 western grebes at channel. 3:00 P.M. Boulder Island. no gulls, one Steller sea lion (sp.?). Bird Island Rocks (W of) red-necked grebe. Just before Lopez Pass surf Scotus and pigeon guillemots. 3:34 P.M. E end Lopez Pass. 28 western grebes in one group 7/10 mi. S Frost Island. 4:25 Frost Island - Spencer Spit Pass. 4:32 Flower Island, 8 glaucous-winged gulls on island. 4:37 Leo Reef, no harbor seal or gulls. 4:50 P.M. N end Humphrey Head. 5:00 P.M. Shoal Bay Marina. Summation of time. 5 hr 31 min. at average 11 RPM or 6.2 MPH.

From Bee House between 6:15 P.M. and 6:45 P.M. one group of approx 750 Bonaparte gulls and another group of 420 N of Leo Reef swam into N wind feeding on surface, sometimes all in flight other times mostly swimming. They adjusted their position in the raft by leaving N end of raft and flying S to assume their position at the S end of the raft. Sometimes I have seen the reverse where the rear gulls flew to head of raft. At 6:30 all Bonaparte gulls left to SE to W end of Thatcher Pass, arriving in raft formation, some single lines. They circled in area at random direction for 20 minutes, gaining elevation until at least a 1000 feet high all left to SW. Other Bonaparte gulls joined them from Thatcher Pass forming a group of at least 3000 birds. no birds (Bonaparte gull) in area not associated with the raft either on the water or in the air.

April 17, 1990

At Bee House feeder, ♀ mule deer 30" high at shoulders, ♂ mule