

1:00 P.M. 44 harbor seal on Leo Reef.

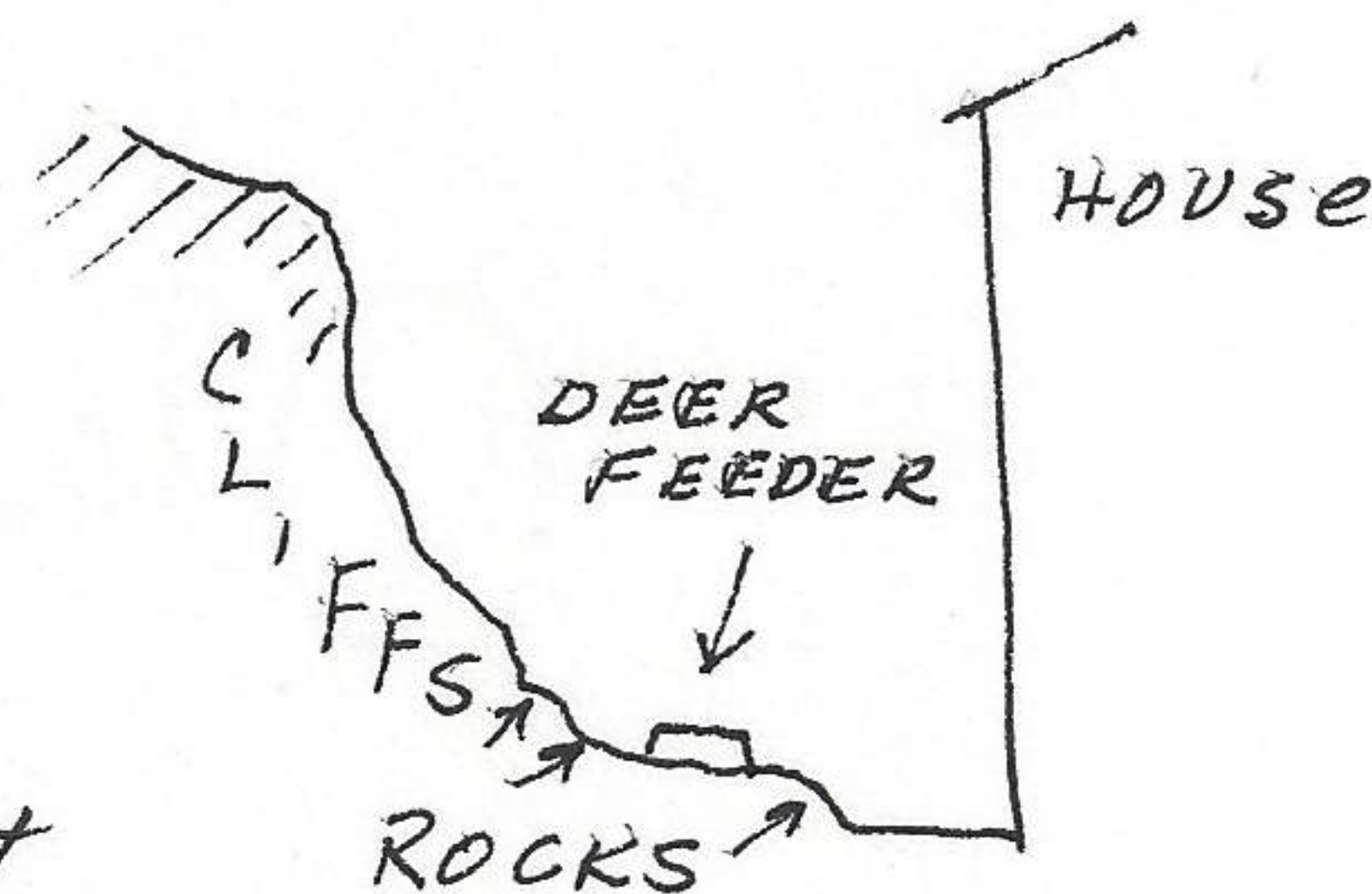
2:00 P.M. 23 harbor seal on Leo Reef. [When Leo Reef is listed without associated rock number the reference is intended for rocks associated with the beacon or, rocks 2-6 and 1 and 7 if exposed at very low tide.

Bee Estate, Humphrey Head, Lopez Island, San Juan Co., Washington
June 18, 1986

8:45 A.M. 17 harbor seal on Leo Reef. Low tide and seal at water level only.

10:00 A.M. 2 harbor seal on Leo Reef. Seal swimming 5-20' from reef are behaving in such a stereotypic way of corticoids etc that I presume they are mating rather than in some kind of random play.

5:15 P.M. 2 adult and 3 young brown rats (*Rattus norvegicus*) at feeder on NW side of Bee House. (A.M. cloudy, sun at 5:15 P.M.) They were unusually confident for rats, especially adult. The young would run back into rocks after only a second or two feeding in open situation. A large adult rat charged the three rats and caused them to immediately return to the rocks where they had developed or taken over chipmunk burrows. The four rats went underground and did not return. This behaviorism suggested a warning by the large adult rat to warn the other 3 of pending danger.



At 5:30 P.M. an adult rat carefully evaded a live trap which was not ^{to be} set until 8:00 P.M. after activity of chipmunks ceased for the day. This rat then moved 40 feet to NE side of Bee House and fed on cracked corn placed for birds at the porch feeder. One eastern gray squirrel approached the rat to within 8 feet but neither retreated. I stepped out onto the porch some 25' away and the rat leisurely descended from the railing feeder and gain the floor where it investigated several places for retreat but found none. I remained in my position and the rat came to the restricted part of the porch and passed by only 4' away. I jumped at it and it ran down the 4 steps leading from the porch (rather stumbled down at an uncontrolled jump and ran to opening at NE side of house. No other rats returned above ground that evening. Set live trap at 8:00 P.M.