

Rufous hummingbirds have been active all day, sometimes 5 at a 4 hole feeder. male ^{vigorously} displace females. Females displace other females with somewhat faked contact but not as aggressive as males. One ♀ dominated 3 other females at a feeder by a continuous defense. Females spread tails when confronted with other females; generally just before confrontation or immediately after repelling the invader. Yesterday a ♂ completely controlled a female but today less so with 4 other females competing.

Bee Estate, Humphrey Head, Lopez Island, San Juan Co., Washington
in ~~the morning~~ ~~in the afternoon~~, ~~reference~~ ~~reference~~
June 19, 1986

Daybreak 3:00 A.M. Stars (except planets) disappeared by 3:30 A.M. Sun up 5:20 A.M.

Leo Reef 8:20 A.M.

Leo Rock 2 to 5 47 harbor seal
" " 7 4

11:00 A.M. =

51 harbor seal
6 " "

at Little Flower Rock at 8:20 A.M. =

13 harbor seal

11:00 A.M. =

15 harbor seal

at N Flower Rock at 8:20 A.M. =

13 harbor seal

11:00 A.M.

14 harbor seal

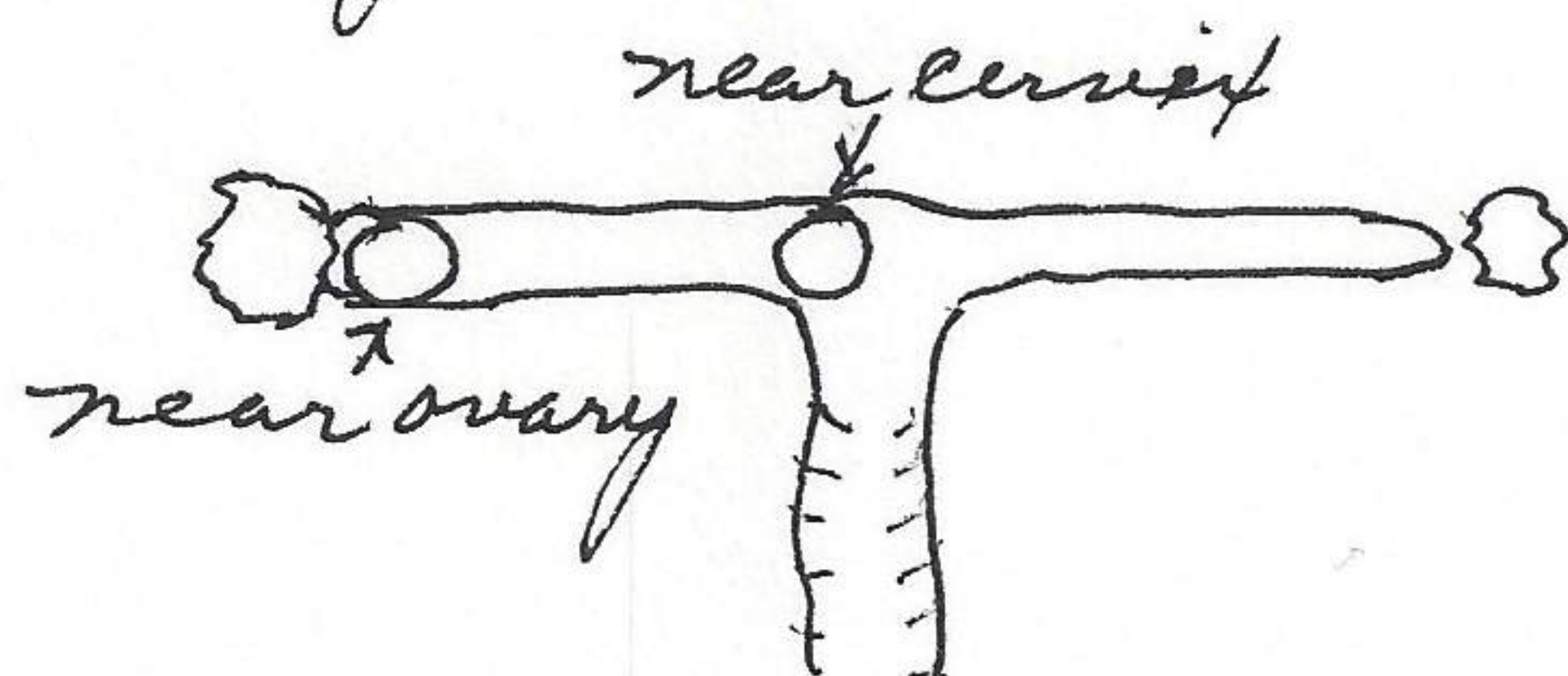
or

77 observed at 8:20 A.M. and

80 at 11:00 A.M.

Rufous hummingbird consume 1 cup sugar per feeder per day.

In six traps set last night caught one this A.M. at 6:30 A.M. no other rats in 5 other live traps last night. These rats are diurnal from evidence so far. This rat captured is: 860619-1 Rattus norvegicus 343-58-42-19-193 gms ♀ embryos 6x6 measuring 6 mm each. weight 1.5 gms.



Brown rat active at 12:15 P.M.
Spent most of time with head just outside entrance of hole under rock. Eastern gray squirrel fed 3' away.

1:00 P.M. 51 harbor seal on Leo Reef (rocks no. 2-6) no other seal on other rocks in area.