

JOURNAL 1993

JAMES W. BEE

Bee Estate, Humphrey Head, Lopez Island, San Juan Co., Wa.

Jan. 1, 1993

sunrise 8:08:00, left ridge
8:12:27 AM.



Jan 2, 1993

Set suet in feeder today. 2 purple finch and 5 pinesiskin and first of these species this winter. dark-eyed juncos always present some part or all day. This species is dominant bird at feeder (numbers) and average 10-15, 2 rufous-sided towhee.

at Mack-aye Harbor, along beach area: 13 buffleheads, 2 mallards, 6 river otter in one group, 8 red-breasted mergansers, 3 common mergansers, 2 common goldeneye ducks.

Jan 3, 1993

Swift Bay Lagoon frozen and light brown from inwash of heavy silt from Swifts Bay. associated with high winds from NE.

Birds on W side causeway between San Juan Channel and South Fishermans Bay Lagoon; 1 ♀ 10 ^{Harlequin duck} from shore and 2 male Harlequin ducks also about 15' from shore but 200' beyond, 2 ring-billed gulls, 3 black-bellied plover, 2 greater yellowlegs, 5 glaucous-winged gulls, 2 red-breasted mergansers, 8 American crow, 4 buffleheads.

E of causeway in S Fishermans Bay Lagoon at SW end along shore: 1 greater yellowlegs, 2 black-bellied plover, 6 mallards, 15 American widgeon, 8 northern shovellers, 63 green-winged teal, 48 northern pintails, 5 buffleheads, 6 common crows, 2 mew gulls.

In Swift Bay on Low Bank. (SW end bay): 67 northern pintails, 38 buffleheads, 11 mallards, 62 American widgeons, 11 northern shovellers, 28 green-winged teal, 12 mew gulls, 1 Bonaparte gull.

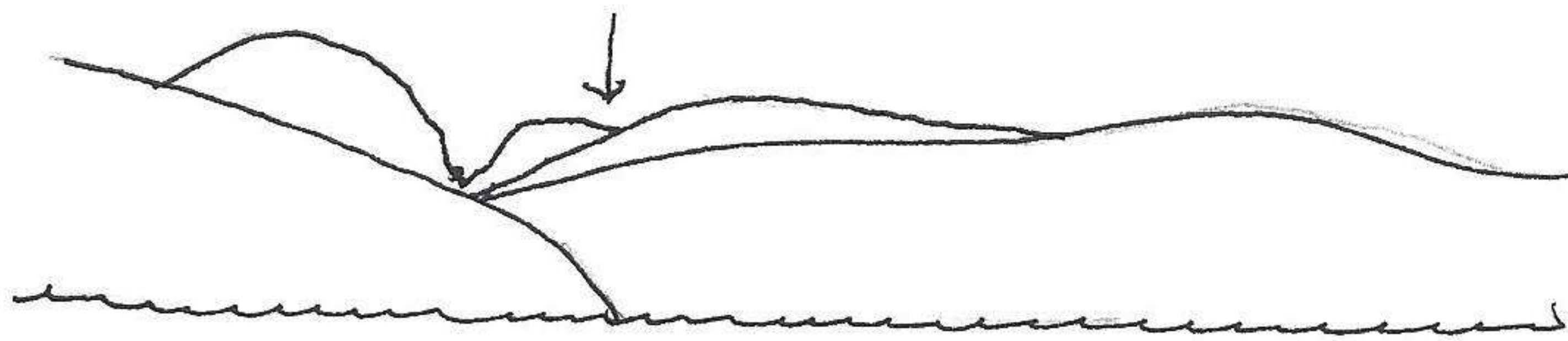
in last 2 weeks
at Humphrey Head, snow on and off ground but all time freezing temperatures

now with snow and cold weather the varied thrush are more numerous. 3 fed at corn (cracked) at feeder.

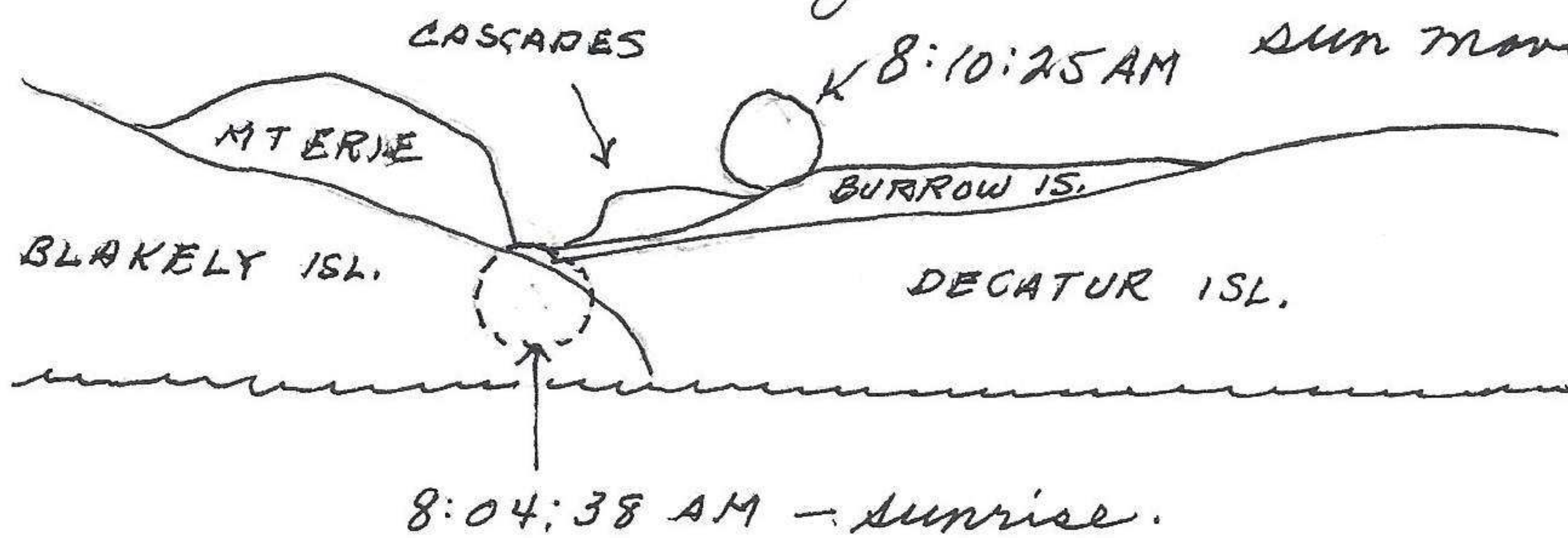
Jan 9, 1993

Sunrise 8:06:38 A.M.

sunrise 8:06:38 AM.

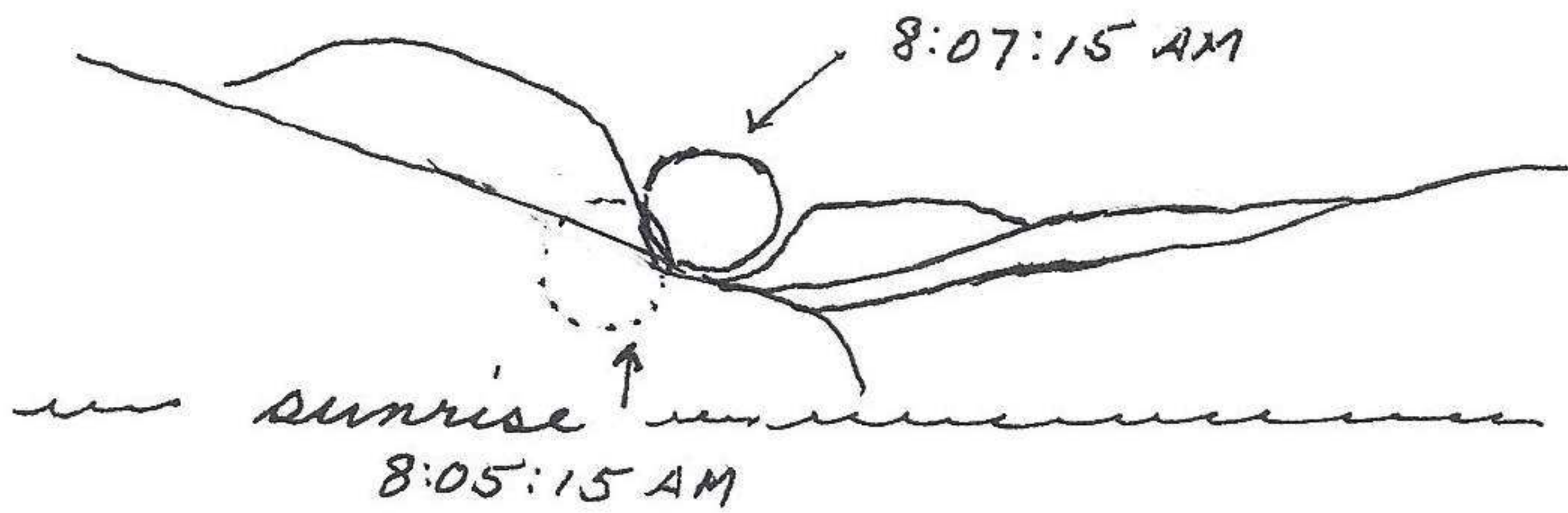


Jan 11, 1993



sun moved to this position on approx 45° angle.

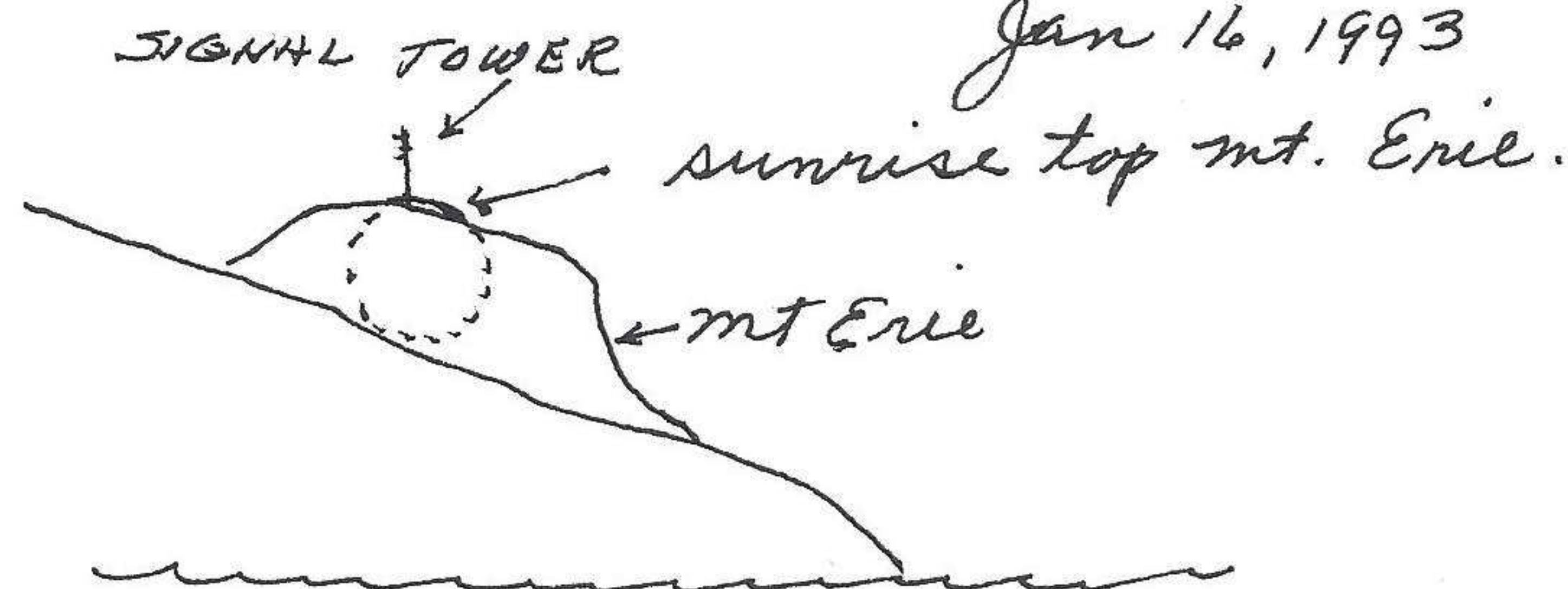
Jan 13, 1993



Jan. 15, 1993

At W side causeway between San Juan Channel and Fisherman's Bay Lagoon : 6 glaucous-winged gulls, 4 mew gulls, 17 buffleheads,
 On E side causeway in Lagoon: 41 mew gulls, 19 glaucous-winged gulls, 18 green-winged teal, 15 mallards, 42 northern pintails, 27 American widgeon, 2 black-bellied plover, 13 western sandpipers, 11 northern shoveller ducks.

Jan 16, 1993

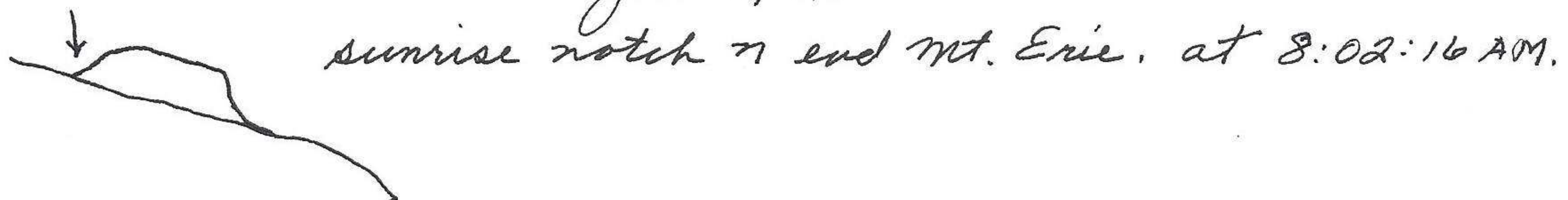


1 adult bald eagle on ridge top Flower Island, 1 ad. bald eagle SW ridge Frost Island in tree.

Jan 17, 1993

11 harbor seal Leo Reef and first observed this winter. 1 Common murre front Bee House.

Jan 18, 1993



8 harbor seal Leo Reef.

In Fishermans Bay Lagoon and w of causeway, fauna like Jan 15 in kinds and numbers except no black-bellied plover but addition of 16 Canada geese.

Waves from NNE in front Bee House, average 23 per minute, at 10:00 A.M. At 1:00 P.M. waves 24 per minute.

Jan 20, 1993

Day of strong winds E in N. Lopez Sound. and averaged 20 per minute, swells 25', 2' to 3' high cresting waves. Last all day until afternoon then dramatically ended and waters smooth. Heavy damage by wind in Seattle and Snohomish Co.

Jan 21, 1993

at 12:20 A.M. at feeding area of Bee House an adult female ^{mule deer} and a young fed in feeding area while a male mule deer ^{4' R L 1 1/2"} stood 15' away. This ♂ approached ♀ and she ran at full run approx. 100 feet but returned, regurgitated a yellowish material (heaping teaspoon amount) and then started to eat again. The male stood 10' away from ♀ but directed attention to top of slope for 4 minutes, stamping the ground with front feet (2-5 times in succession or alternately) about once every 4 seconds. The male assumed this guarding position for 15 minutes while the ♀ and young fed. 5 minutes later and second ♀ ad arrived and fed with the other ♀ and young. The original ♀ displaced young for first time and then ^{displaced} the second new arrival. The new arrival returned to feed and the male approached and mounted the new arrival for 3 seconds until ♀ withdrew. The male then tried to mount the first female but she ran down slope followed by ♂. He pursued closely and then both ran a full speed up slope, past feeding area and to top of slope and disappeared. The other ♀ and young reacted to this speedy retreat of ♂ + ♀ and they in turn ran up slope and disappeared.

68 american crows fed on cracked corn on feeder (12 sq. feet) and at undetermined intervals 6 or 7 of them would cooperate to extract suet from round basket feeder, then all return to cornfeeder.

Earless eastern gray squirrel at feeder (see first occurrence of this animal at feeder.)

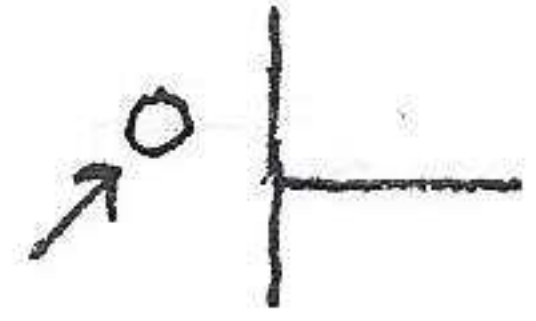
Jan 22, 1993

♂ mule deer ^{10'}, 5 ♀ and last year young. The male aggressively followed one particular ♀. It also went to 2 ♀ urinating, smelled

the urine on ground, raised head and neck and sniffed the air. When a feed it displaced all deer which remain 40' or less from the feeding area.

domestic rabbit feed among deer and will allow touching and grooming by the deer.

This P.M. noted a northern harrier hawk and 12 Canadian geese in field W of Baker View and Port Stanley roads.



Jan. 23, 1993

Waves from NE at 28 waves per minute and 21 in afternoon, cloudy and occasional rain.

5:20 P.M. approx. 140 mew gulls fed vigorously in front Spring Cove and Bee House, feeding N on waves.

Jan 25, 1993


To Friday Harbor via ferry; leaving 10:05 A.M.: harbor seal remained on surface as ferry passed 30' from it, 5 pelagic cormorant, 1 mew gull. Flat Point 10:18 A.M. 2 pelagic cormorant, 1 mew gull, 1 pelagic cormorant, 1 mew gull, 1 common murre, 3 common murre, 1 mew gull, 3 common murre, 1 harbor seal. 10:40 A.M. N Brown Island, 1 mew gull, 1 harbor seal, 2 mew gulls, 1 red-breasted merganser, 4 Friday Harbor ferry terminal 10:44 A.M.

Left Friday Harbor 1:02 A.M. Harbor seal, 11 glaucous-winged gulls on piling at terminal. Continued S to pass at Sand Brown Island, 2 harbor seal so far, 5 common murre (3 summer pelage, 2 winter pelage), 3 common murre (2 summer, 2 winter); 2 pelagic cormorant, logs in channel, 3 common murre (2 summer 1 winter), when murre dive they point body down, then pause and then with flip of wing move under water, 2 common murre. 1:29 P.M. Flat Point, pelagic cormorant, 2 pelagic cormorant, harbor seal off Upright Head, Lopez ^{Island} ferry terminal 1:43 P.M., 2 glaucous-winged gulls on piling.

at Bee House, 16 ♂ 18 ♀ common mergansers moved from Lichen Pt, past Bee House and beyond from 3:05 P.M. to 3:20 P.M. 3:35 P.M. 3 ♂ and 2 ♀ hooded mergansers in from Bee House.

4:08 P.M. 1 river otter moved S past Bee House.



Jan 27, 1993

To La Conner. no trumpeter swans on Fir Island but 25 (7 of which were juveniles) trumpeter swans in field (green & cultivated) SW of Whitney-LaConner and Downey roads. Necks sometimes 

Jan 28, 1993

To Friday Harbor via ferry, left 10:07 A.M. Waves 2' wide and no whitecaps. 1 double-crested cormorant, 1 common murre, 1 double-crested cormorant, 1 glaucous-winged gull, 1 double-crested cormorant, 3 double-crested cormorants, 1 common murre, mew gull (do not record gulls following boat) 10:20 A.M. Flat Point. Swells S of Point, 1 common murre, 1 foot Clap, 1 double-crested cormorant, 2 pelagic cormorant, 1 mew gull, 1 glaucous-winged gull. 10:42 77 Brown Island at outer Friday Harbor. 1 mew gull. 10:46 Friday Harbor, 10 glaucous-winged gulls on piling. Walked to airport, 2 common ravens circling above airport.

Left Friday Harbor 1:04 P.M., 1:10 leaving pass S end Brown Island, harbor seal, 2 common murre, 3 common murre, 1 common murre, 3 common murre, red-necked grebe, 1 mew gull. 1:29 P.M. Flat Point, 3 double-crested cormorant, 2 groups of 2 common murre, 1 mew gull, Lopez Island Terminal 1:44 P.M., or 40 min. trip.

According to Mark D. Lewis: bald eagles love flat wing profile , golden eagle a slight dihedral . Native mammals at American Camp on San Juan Island have been displaced by rabbits (domestic) and raptors have moved away from area.

Jan 29, 1993

9:10 A.M. Two male mule deer and 5 adult and 4 subadults ♀♂ at Bee feeder

at 10:30 A.M. the orphan and runt deer arrived.



32" high at shoulder



33" high at shoulder.

at South Fisherman's Lagoon noted: 51 greater scaup, 3 surf scoters, 1 great blue heron, 17 glaucous winged gulls, 6 buffheads, 3 American crows, 6 red-breasted mergansers.

Bee Estate, Humphrey Head, Lopez Island, San Juan Co., Wa.
Feb. 1, 1993

A single band-tailed pigeon fed on "chicken scratch" at Bee House feeder. Single pigeons have been observed last 3 days but not prior to these dates (winter season).

Geological map available for Lopez Island: State of Washington Dept of Ecology, Plate 1, part 1.

Lopez Island, San Juan Co., Wa.
Feb. 1, 1993 (cont.)
(5x7)

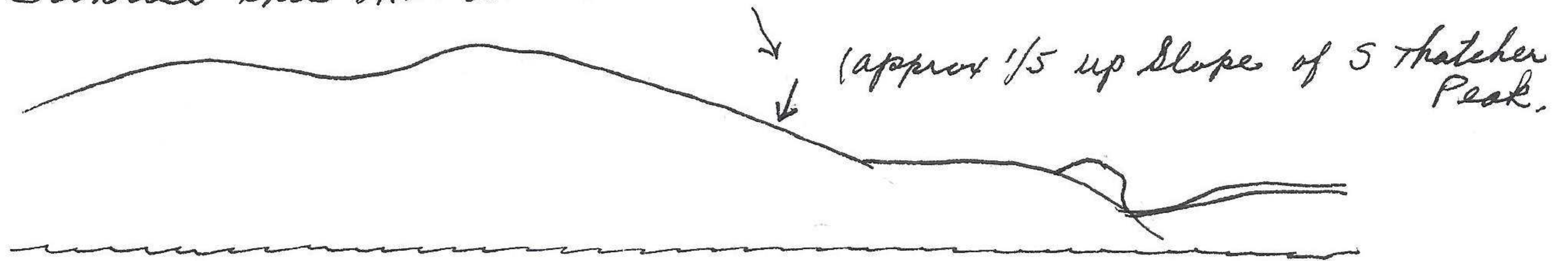
Photographed in black and white the follow genealogical portraits of the Culbertson - Bee and other individuals; (Culbertson side may mean friend)

- 930201-3 Mary Culbertson ?
 930201-4 William Wilson, Pioneer Character, Provo
 930201-5 Part of Thome family ?
 930201-6 Glenn Thome
 930201-7 Part of Thome family ?
 930201-8 ? Culbertson side ?
 930201-9 Mary Culbertson
 930201-10 Mary Culbertson
 930201-11 Frank Noon
 930201-12 Mary Culbertson Bee
 930201-13 Glenn Thome
 930201-14 ? Culbertson side
 930201-15 Mary Pero,
 930201-16 ? Culbertson side
 930201-17 ? "
 930201-18 ? "
 930201-19 Mary Culbertson
 930201-20 Glenn Thome ?
 930201-21 Mary Culbertson
 930201-22 F. W. Nelson
 930201-23 ? Culbertson side ^{or} Belle de Moisy ? Provo, Utah.
 930201-24 ? Culbertson side
 930201-25 ? " " or Belle de Moisy, Provo, Utah,
 930201-26 Parley Culbertson, son Will Culbertson
 930201-27 Leonard " " " "
 930201-28 Mae (Osler) Culbertson daughter Will Culbertson
 930201-29 Fred Culbertson son of Will Culbertson
 930201-30 Will Barnes and Ethel Barnes (Hazelton, Phoenix) Barnes
 930201-31 wife Will Barnes and Grace Barnes young sister of Ethel
 930201-32 Mayme Smith, friend of mothers, Culbertson side
 930201-33 Mary and Mas (dog not in this photo but on original),
 930201-34 ? Culbertson side
 930201-35 Margaret and Lucille (on original) in Mary's room
 930201-36 ? Culbertson side
 930201-37 ? Culbertson side

Feb. 2, 1993

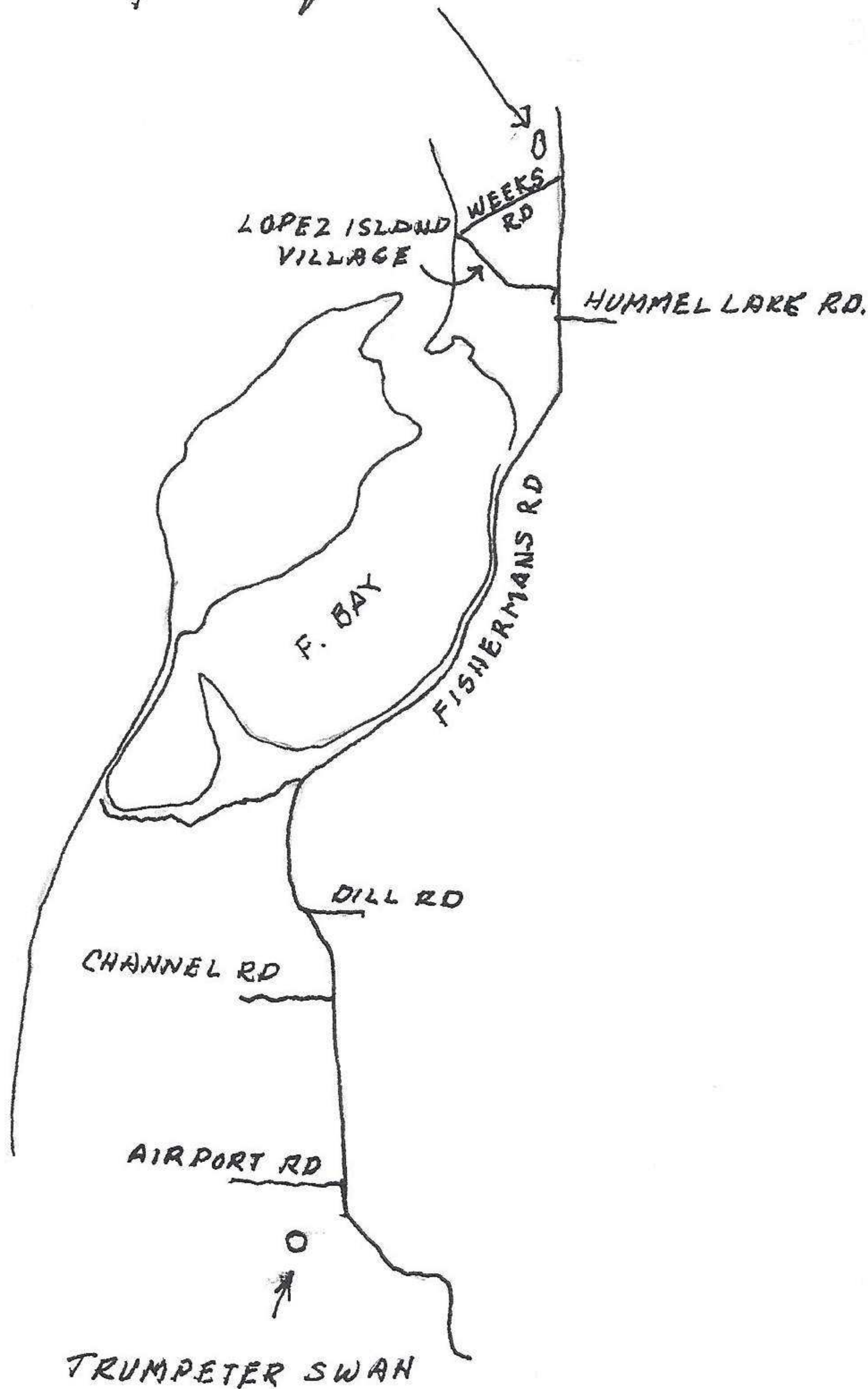
Don and Mary arrived from Utah. They report that there is more snow at Sundance, Utah than they can recall. Their cabin is completely covered. Snowslide are occurring in north fork of the Provo River and traffic is almost stopped. He noted a moose along river at Wildwood and ^{also} among cabins there.

Sunrise this A.M. at 7:50:00 A.M.



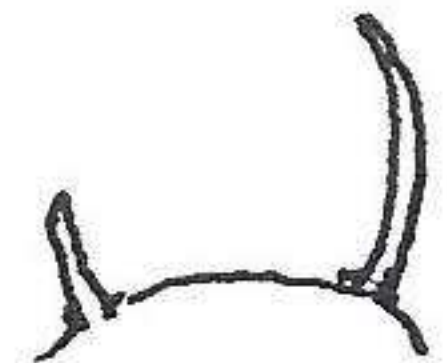
Feb 2, 1993

Richard and Barbara Pickering reported a trumpeters swan on their pond. Feb. 1, 1993.



Observed a trumpeter swan ^{2/10} mi. SW junction airport and Fisherman Bay roads. It was resting in marshland with head under wing.

The ♂ mule deer with asymmetrical antlers has shed its normal antler but retained its 1 1/2" antler.



Lopez Island, San Juan Co., Wash.

Feb. 2, 1993 (cont.)

Photographed in black and white, Agfa 25, portraits of Bee and Culbertson families. Mary Culbertson Bee notations on Culbertson side of family and Robert G. Bee on Bee side of original photos:

- Bench
- | | |
|-----------|---|
| 930202-2 | Glen Thome, Springville (Mapleton), Utah. |
| 930202-3 | Angie Culbertson. |
| 930202-4 | Mrs. Elizabeth (Lizzie) Snedaker, Mt. Ayr, Iowa,
and her daughter Margaret's daughter Jean, Iowa City. |
| 930202-5 | Dr. Clifford Crawford. |
| 930202-6 | Flo Crawford, wife of Clifford Crawford. |
| 930202-7 | Flo Crawford, wife of Clifford Crawford. |
| 930202-8 | Beth Crawford, Mrs. Allenson |
| 930202-9 | Carol Crawford, Mrs. ? |
| 930202-10 | Nate Crawford, became a doctor. |
| 930202-11 | Dr. Clifford (Cliff) Crawford. |
| 930202-12 | Dr. Ingelsby, friend Robert G. Bee. |
| 930202-13 | Friend of mothers |
| 930202-14 | Uncle Tom Orr, Hot Springs, S. Dakota |
| 930202-15 | Grampa Barnes home. |
| 930202-16 | Jane Bee |
| 930202-17 | Sarah Bee, nee Strickland. |
| 930202-18 | Grace Bee. |
| 930202-22 | Milton Meek. |
| 930202-23 | Sarah Bee Meek. |
| 930202-24 | Jennie Bee Jones |
| 930202-25 | Joy Jones. |
| 930202-26 | ? Culbertson side. |
| 930202-27 | ? " " |
| 930202-28 | ? " " |
| 930202-29 | ? " " |
| 930202-30 | ? " " |
| 930202-31 | Sarah, Mrs. Champlin. |
| 930202-33 | Fern Alliman Bee side. |
| 930202-34 | ? Bee side |
| 930202-35 | William Bee. |
| 930202-36 | Jane Bee |
| 930202-37 | Samuel Bee |

Feb. 3, 1993

Continued photographing genealogical photos and portraits.

- 930203-2 Benjamine Ely Culbertson. (from original 930305-2.)
- 930203-3 Mary Culbertson (Bee) "
- 930203-4 William Burnett Culbertson "
- 930203-5 Lulu Culbertson (Evans) "
- 930203-6 Louis Alexander Culbertson "
- 930203-7 Ida Barnes Culbertson "
- 930203-8 Louis A Culbertson. (son of L.A. Culbertson) "
- 930203-9 Louis Alexander Culbertson. "
- 930203-10 Mr. Thome
- 930203-11 ? (Bee tribe)
- 930203-12 ? (Bee tribe) R.G. Bee no 1063.
- 930203-13 ? (Bee tribe)
- 930203-14 William Frederick Bee
- 930203-15 Allie Bee (Teague) ?
- 930203-17 ? a ferrotype.
- 930203-19 L.A. Culbertson, a ferrotype.
- 930203-20 ? ferrotype
- 930203-21 L.A. Culbertson (Sr.)
- 930203-22 Jesse Snedaker. (uncle ^{arg} M.C. Bee.
- 930203-23 (top) } ? Culbertson tribeⁿ
- 930203-24 (mt.) } photo ? " "
- 930203-25 (left) } ? " "
- 930203-26 Albert Louis ———. Jr. Angies son.
- 930203-27 J.R.W. Bracken, friend R.G. Bee
- 930203-28 Belle de Moisy, friend Mary C & R.G. Bee, Provo, Ut.
- 930203-29 Regina Deems, Ottumwa, Iowa.
- 930203-30 Beth Crawford Allenson, daughter Cliff Crawford.
- 930203-31 Cliff Crawford, Ida Barnes Culbertson's cousin.
- 930203-33 Flo ^[newell] Crawford, wife Cliff Crawford.
- 930203-34 Mrs. Jesse Smith, friend Mary C Bee
- 930203-35 Jesse Snedaker.
- 930203-36 Nate Crawford, son Cliff Crawford.

Lopez Island, San Juan Co., Wa.
Feb. 4, 1993

Photographed in black and white, Agfa 25, some portraits of Culbertson side of family (plus 2 of Nelson, friend of R.G.B. & family). Mary C. Bee notations on original portraits:

- 930204-14 F. C. Nelson, Xmas, 1921, friend Bee family.
 930204-14 dupl. above.
 930204-15 ? notation by R.G. Bee. Ottumwa, Iowa
 930204-19 L.A. Culbertson + his choir First Presbyterian Church
 930204-31 Julie Angie Orr, mother's mother.
 930204-33 Aunt Emma Orr, wife of Col. Tom Orr.
 930204-35 Uncle Cliff Crawford's son in law Mr. Allenson

Ropez Island, San Juan Co., Wa.

Feb. 5, 1993

Photographed (black and white, Agfa, ^{35 mm} 25) of original portraits of genealogical interest. Culbertson side may mean relations or friends of unidentified individuals. Mary Culbertson Bee notations.

930205-7 L.A. and Ida Barnes Culbertson family.

930205-11

930205-12

930205-13 L.A. Culbertson ?

930205-14

930205-15 Father (L.A. Culbertson).

930205-16 Uncle Howard Culbertson

930205-17 L.A. Culbertson's brother Howard.

930205-18 ? Mary Culbertson side.

930205-19 Florence Barnes, Mary Culbertson aunt.

930205-20 Florence Barnes, mother's half-sister.

930205-21 Aunt Florence Barnes, mother's half-sister.

930205-22 Angie Culbertson.

930205-23 Joe Culbertson and sister.

930205-24 Aunt Collie Barnes, mother's half sister.

930205-25 Mary Culbertson (Bee)

930205-26 Mary Culbertson (Bee)

930205-27 Uncle John Culbertson.

930205-28 Mary Culbertson (Bee)

930205-29 Cousin Barnes, Wis Rapids, Wis, daughter of mother's half brother Will Barnes

930205-30 Ed Culbertson.

930205-31 Lee Culbertson

930205-32 Ida Barnes Culbertson.

930205-33 Mrs Thome and Ida Barnes Culbertson.

930205-34 Joe Culbertson.

930205-35 ? Aunt Florence Barnes, mother's half sister.

930205-36 } need prints

930205-37 }

Feb. 6, 1993

mule deer with asymmetrical antlers with $1\frac{1}{2}$ " abnormal spike has shed the spike and is now antlerless.

The male mule deer



at feeder.

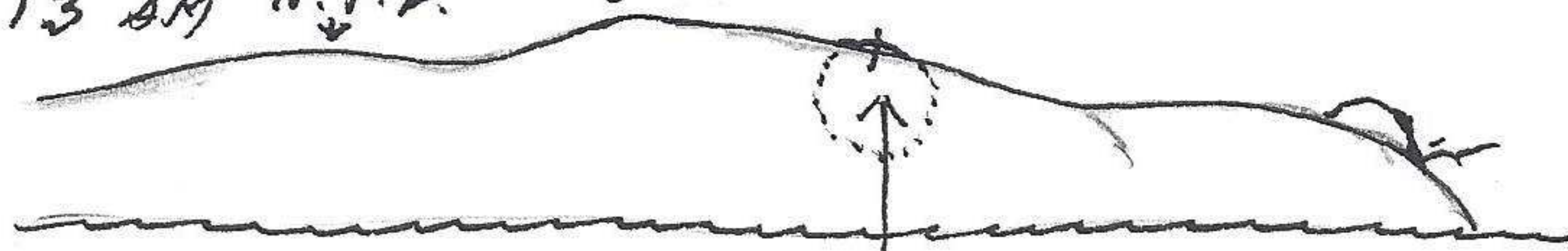
Feb. 7, 1993

Trip to Oreas. 210 crab traps in Blind Bay on Shaw Island.

On mt. Constitution, Lost Lake in ice and snow on top. Snow on upper slopes to mt. Constitution 20% of plowed snow on side of mt. Twin Lake in ice. mt. Lake 90% in ice. Cascade Lake 90% in ice.

Feb. 8, 1993

Sunrise 7:45:13 AM N.T.P. S.T.P.



$\frac{1}{2}$ way down slope from S Thatcher Peak

This A.M. approx. 250 mew gulls hunted marine corridor from Leo Reef N for $\frac{1}{2}$ mi. They have been observed in area for last 2 weeks.

To Fri Harbor and return with Mary & Don via ferry. Left 10:00 A.M.: 1 pigeon guillemot, 16 glaucous-winged gulls, 1 common murre, 4 pelagic cormorant, 2 double-crested cormorant. Return no censuses. At Bee House were the following ^{mule} deer:

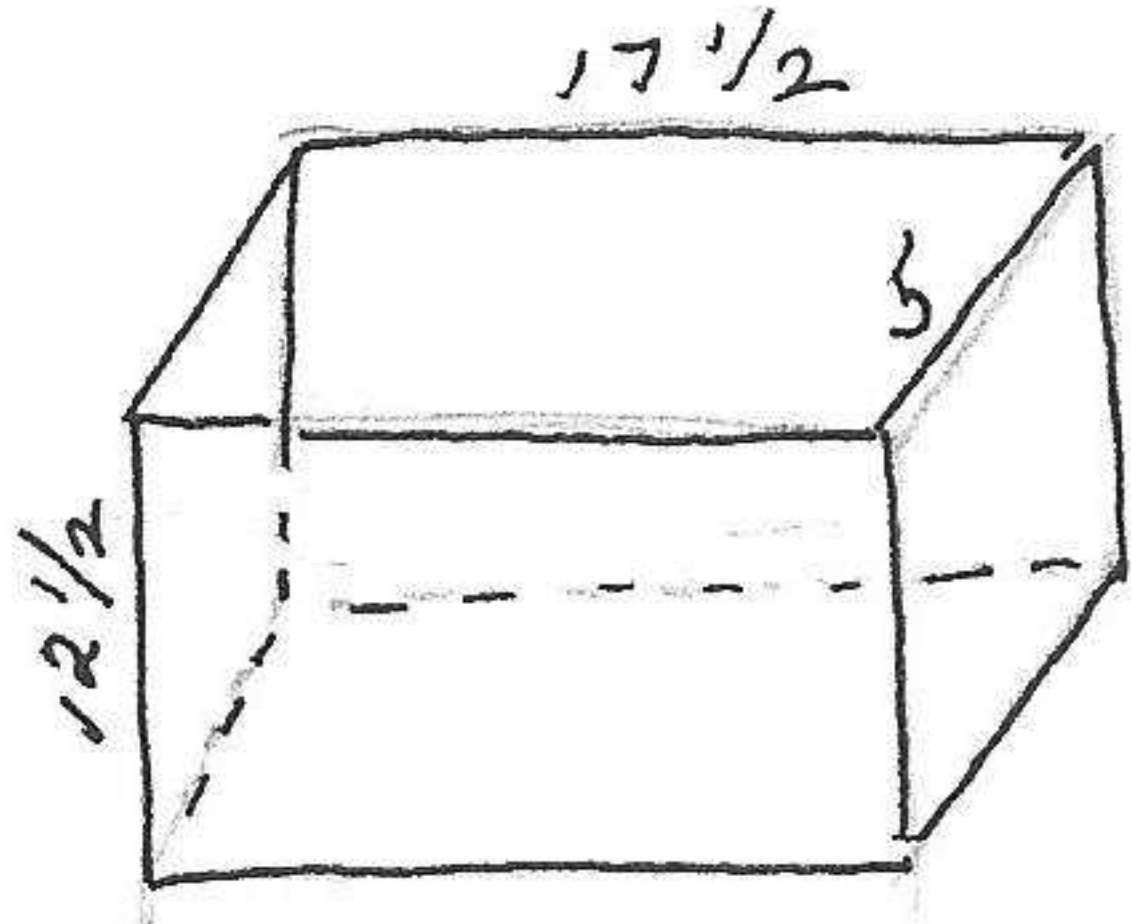


R. L.



R. L.

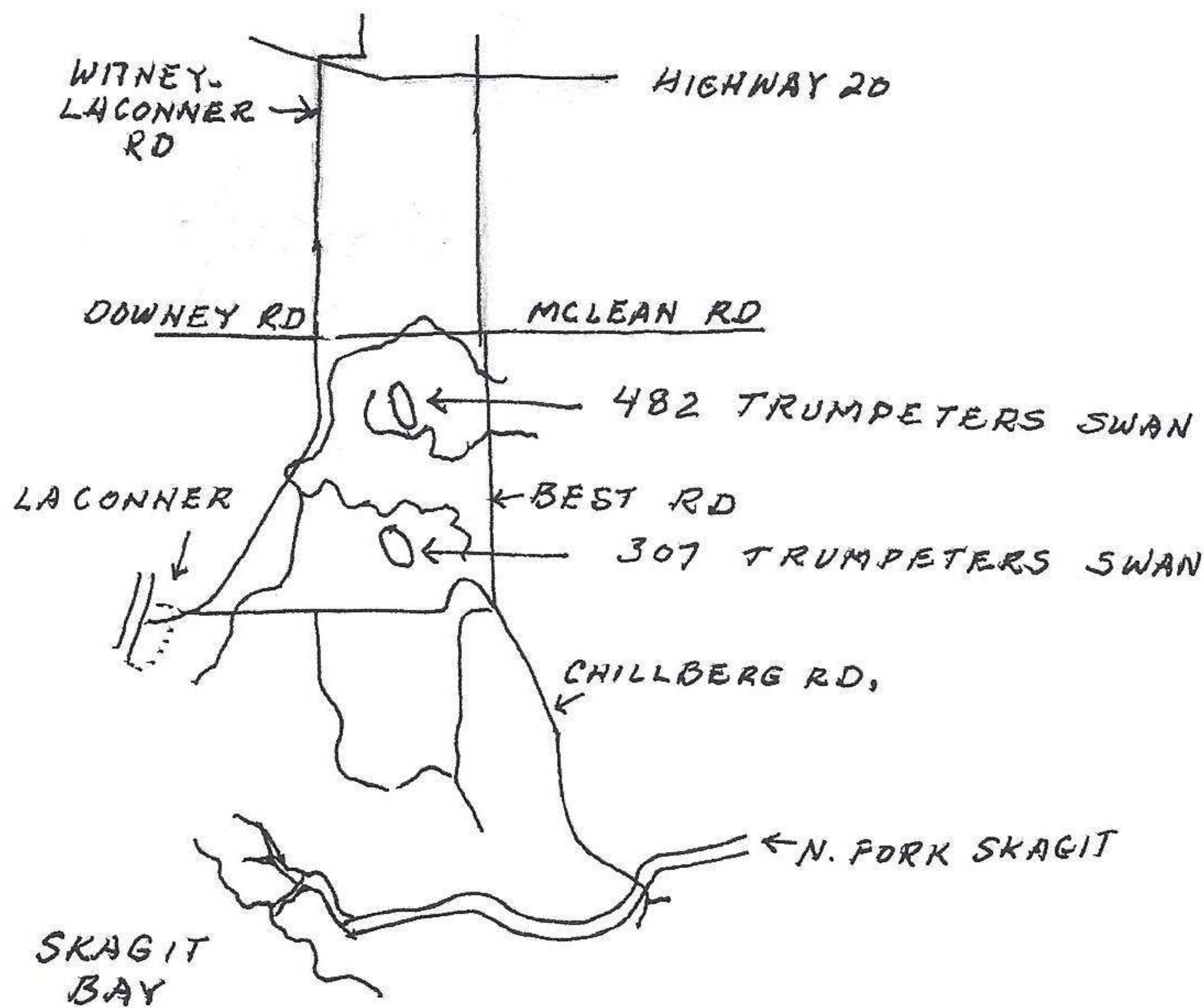
also 6 adult females, the Orphan, the Runt,



measurements for map box for the boat.

Feb. 9, 1993

To Anacortes via ferry. Checked area NE of La Conner for winter population of trumpeters swans:



Returned to Lopez Island. at 1/2 miles E of Odlin Park turnoff noted a single Calif. quail.

Feb. 10, 1993

at Bee House including 2 large hornless ♂ mule deer and 13 ♀ deer.

Feb. 12, 1993

Trip to Friday Harbor ^{by ferry}, left 10:05 A.M. Enroute observed 3 mew gulls, 2 common murres, 4 double-crested cormorant, 2 pelagic cormorants. 10:18 Flat Point, 2 harbor seal, common murres, 4 red-necked grebe, 1 mew, 2 common murres, 3 flocks common murres flying 5 (8, 11, 10), harbor seal, 1 glaucous-winged gull. 10:41 N end Brown Island, 1 common murre, 3 red-necked grebes. 10:45 Friday Harbor Terminal.

Left Friday Harbor 1:07 P.M. Red-necked grebe, 4 surf scoters, 1 common goldeneye duck, 12 bufflehead, 1 common loon, 1 glaucous-winged gull. 1:13 pass S of Brown Island, 2 double-crested cormorants, 1 common murre, 2 common murres, mew gulls. 1:33 Flat Point, 6 common cormorants, 1 pigeon guillemot, 1 common loon. Arrived Lopez Island 1:47.

Feb. 15, 1993

Small myotis active last night and first observed this season.

Sunrise 7:38:50

minor point of
 one sun width from top of South
 + Thatcher Peak.



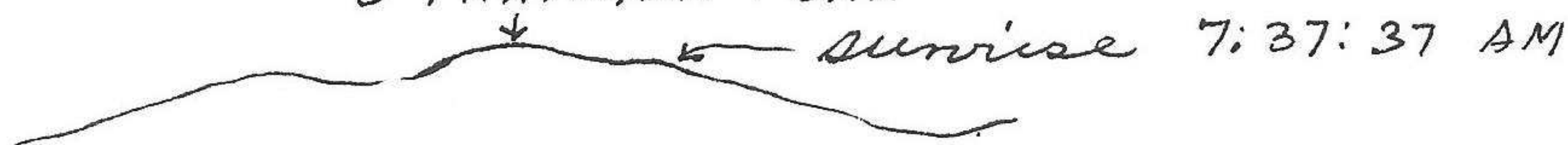
The mule deer "Orphan" measured 28" high at shoulders.
 The two runts measured 22" high at shoulders.

One band-tailed pigeon and 5 American crows fed at close quarters on a 2' diameter feed. The crow on 9 occasions all left the feeder at one moment then return. The pigeon in turn raised its wings or jerked back but never left the feeder at the moment the crows left.

waves all day 19 per minute.

Feb. 17, 1993

S THATCHER PEAK



11:05 Earless squirrel (eastern gray squirrel) fed with 5 other gray squirrels at Bee House.

Feb. 18, 1993

To Vancouver and Victoria and Tofino on W side Vancouver Island. Annette, Don, Mary and I made trip. Deposited duplicate herpetological reprint at Uni. of Vancouver and at British Columbia Museum Natural History. In Canada at 2 mi. SW on highway 17 ^{Towassen} to ^{observed 17 T. swans} ferry terminal. Also 1 bald eagle in same area. Took ferry to Swartz Bay, and spent night in Sidney.

Feb. 19, 1993

Left Sidney to Victoria. Breakfast in Empress Hotel thence n to Nanaimo, thence w to Tofino, stayed in Blue Heron motel.

Feb. 20, 1993

Checked coast line from Tofino to Uclerlet, thence back to Victoria where we stayed at the Empress Hotel.

Feb. 21, 1993

Left Victoria with ^{new} snow on ground. Took scenic coast drive to Sidney. In park S of town observed hundreds of mallards that were humanized and approached one as a dark moving mass. Arrived Sidney and took ferry to San Juan Islands.

Left at noon and made census enroute: 35 old squaw ducks, 47 surf scoters, 2 black scoters, Sidney Spit black-bellied plovers, 4 greater scaup, 12 pigeon guillemot, 17 common murres, 3 red-necked grebes, 1 horned grebe.

In San Juan Channel: 4 old squaw ducks, 6 pigeon guillemots, 18 mew gulls, 6 glaucous-winged gulls, 1 red-necked grebe, 2 horned gulls, 1 pelagic cormorant. Arrived Lopez Island.

Feb. 22, 1993

at 4:00 P.M. 8 harbor seal on Leo Reef at new high tide when reef $1\frac{1}{2}$ feet above water.

One adult bald eagle top Flower Island.

5:05 P.M. 5 river otters fed deliberately out 20' from shore past Bee House. A single otter followed at approx 200' but gained on feeding otter but never joined the group. One put-out on rocks below house.

Feb 23, 1993

Sunrise (timed at lower edge of sun when completely above ridge) at 7:25:30 A.M.

Wind from NE all last night and today. Waves 22 per minute, 83 mew gulls wack ^{3.4 feet} on waves into wind.

mileage from Bee House to post office (new): house to Port Stanley Road .5 miles, to Ferry Road 1.2, to P.O. 3.8 miles, to Condominium 4.2 miles.

Feb. 24, 1993

Sunrise over Blahely 7:18:50 A.M.

An adult ♂, ♀ and runt mule deer groomed neck, ears and head of a domestic rabbit as they fed at ground feeder at Bee House. The male was most persistent and aggressively, moving the rabbit, which accepted the grooming, from side to side as the deer applied pressure. In the case of the above male deer the action continued for ^{continuous} 4 minutes.

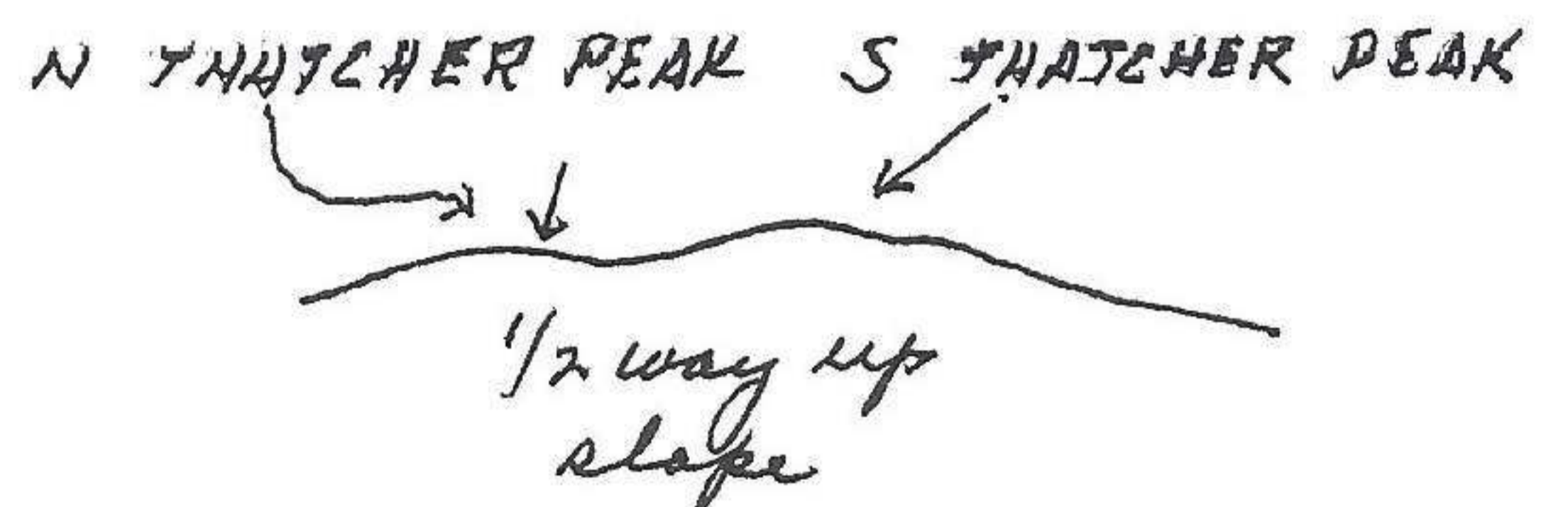
Arrival time of American crows from Swift Bay to Bee House:

7:01 1 crow arrived.

7:04 2 crows arrived

7:13 5 crows arrived

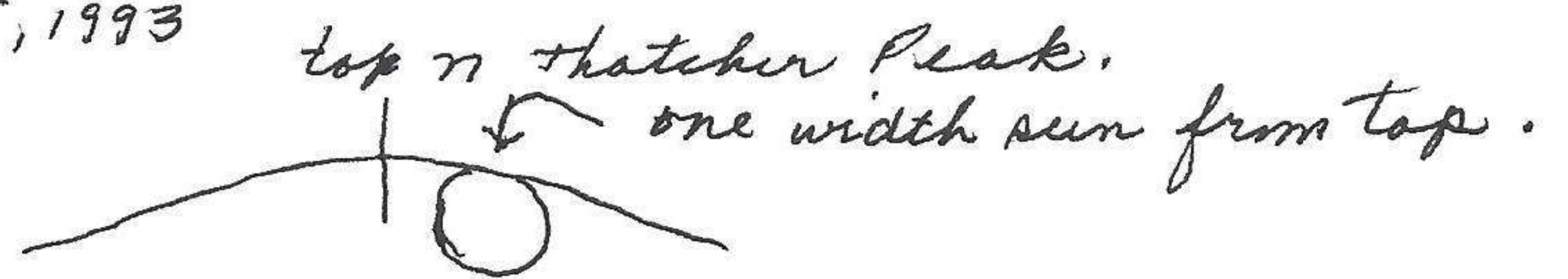
7:15 2 crows left for Flower Island, 6 left for Swift Bay. No other crows to at least 8:30 A.M. Food available. 10:45 AM 33 arrived one flock.



Glaucous-winged gull died in road to condominium S of Lopez Island Village from diarrhea.

Feb. 25, 1993

Sunrise 7:17:19 A.M.



Feb. 26, 1993

4:00 P.M. 16 harbor seal Leo Reef. 2 ad bald eagles top Flower Island, almost touching.

Feb. 28, 1993

Sunrise 7:13:20 A.M. 1/5 way down slope to n from top of north Thatcher Peak.

1:44 P.M. first Townsend Chipmunk since hibernation. Remained in feeding area, ^{and} ate crooked corn for 20 minutes then left and was not observed for rest of day at Bee House.

5:19 P.M. 17 harbor seal Leo Reef. 1 river otter swam 5 20' from bank below Bee House.

Bee Estate, Humphrey Head, Lopez Island, San Juan Co., Wa.
march 1, 1993

myotis active at Bee House at 6:15 A.M., then entered crevasse in side of roof.

← (cont.)

march 2, 1993

Windy from S, no harbor seal ^{or birds} on Leo Reef. no glaucous-winged gulls on Flower Island and no bald eagle on nest NE Frost Island. Domestic rabbit rood kill at junction Port Stanley and Shoreland rds. In last 7 years have observed only 4 rabbit rood kills, even though at times the population of rabbits is high.

A harbor seal near death took refuge on sandy beach against bank at E side entrance to Fisherman Bay. It measured 5' total length. (head to tail), notified Fish and Game people.

march 3, 1993

above harbor seal still alive but in same position. no external injury but heavy breathing, eyes mattered. 3 river otter past out of channel.

Birds in Swift Lagoon, 6 green-winged teal, 7 northern pintails, 8 American widgeon.

Continuation march 1, 1993 from opposite page. Photo-graphic record of genealogical portraits of Bee-Culbertson tribes. Number correspond to film strip numbers. Black and white film. Notations on originals are by Mary C. Bee.

- 930301-4 William Wilson, Pioneer character, Provo, Utah.
 930301-5 ? Thome tribe? Robert G. no. 343
 930301-6 Glen Thome, Mapleton Bench, Utah Co.
 930301-7 ? Robert G. Bee no. 342.
 930301-8 ?
 930301-9 Mary Culbertson JWB.
 930301-10 " " "
 930301-11 Frank noon, friend Mary & Robert Bee. ³²² RGB no
 930301-12 Mary Culbertson Bee.
 930301-13 Glenn Thome? R.G. Bee no 324
 930301-14 Culbertson tribe? R.G. Bee no 343-1
 930301-15 Mary Pero. Robert G. Bee no 342-2
 930301-16 ? Robert Bee no 316.
 930301-17 ? " " " " 319-2
 930301-18 ? Culbertson tribe, Ottumwa, Iowa
 930301-19 Mary Culbertson.
 930301-20 Glen Thome,
 930301-21 Mary Culbertson JWB
 930301-22 Frederick W Nelson Robert G. Bee no. 321
 930301-23 ? Robert G. Bee no. 335
 930301-24 ? Robert G. Bee no 336
 930301-25 ? Culbertson tribe. Robert G. Bee no 335
 930301-26 Uncle Will Culbertson's children, Charly Culbertson
 930301-27 " " " " Leonard Culbertson
 930301-28 " " " " Mae (Osler) Culbertson
 930301-29 " " " " Fred Culbertson
 930301-30 Uncle Will Barnes and Ethel Barnes. (Hazelton)
 930301-31 Wife and daughter Grace Barnes. ^{of uncle Will.}
 930301-32 Mayme Smith. R.G. Bee no 319-1
 930301-33 Mary? R.G. Bee no 340-2 notation
 930301-34 ? Robert G. Photo 340-5. ^{M.C. Bee}
 930301-35 Margaret and Lucille (not shown) in Mary's ^{room.}
 930301-36 ? Culbertson tribe. Robert G. Bee no 334
 930301-37 ?

Continuation march 4, 1993 from opposite page. Photographic record of genealogical family portraits, black and white film, numbers correspond to consecutive number on film strip.

- notations are by Mary Culbertson Bee.
- 930304-14 Frederick C. Nelson, Christmas 1921
 - 930304-15 ? no 340-1 Robert G. Bee no.
 - 930304-19 First Presbyterian Church, Ottumwa, Iowa. Had right end, director of chorus, Mr. Thome at left.
 - 930304-31 Julie Angie Orr.
 - 930304-33 Aunt Emma Orr, wife Col. Tom Orr.
 - 930304-35 Uncle Cliff Crawford's son-in-law Mr. Alleman of Waukon, Iowa.
 - 930304-36

Continuation march 5, 1993 and as above:

- 930305-2 Original portrait L.A. and Ida B Culbertson family
- 930305-3 Copy of original above
- 930305-13 Louis A. Culbertson.
- 930305-15 Father, (L.A. Culbertson)
- 930305-16 Uncle Howard Culbertson
- 930305-17 Father's brother Howard.
- 930305-18 ? (Culbertson tribe, may be Mary Culbertson)
- 930305-19 Aunt Florence Barnes
- 930305-20 " " " , mothers half-sister
- 930305-21 " " "
- 930305-22 Angie Culbertson.
- 930305-23 Joe Culbertson and sister?
- 930305-24 Aunt Callie Barnes, mother's half-sister.
- 930305-25 Mary Culbertson.
- 930305-26 " "
- 930305-27 Uncle Joe Culbertson.
- 930305-28 Mary Culbertson
- 930305-29 Cousin Barnes, daughter mother's half-brother
Uncle Will Barnes.
- 930305-30 Ed Culbertson
- 930305-31 Lee Culbertson
- 930305-32 mother in Calif. (Ida Barnes Culbertson)
- 930305-33 mother & Mrs. Thome in Calif.
- 930305-34 Joe Culbertson
- 930305-35 ? Aunt Florence Barnes, mother's half-sister.

In Swift Bay: 16 glaucous-winged gulls, 4 mew gulls, 5 mallards,
27 buffleheads, 6 northern pintails, 11 American widgeon, 16 American Crows.
← cont p. 930304-18

March 5, 1993

To W Sound on Orcas Island by Grand Banks. Between Shaw and Orcas terminals cold water impeller went out. Annette called Coast Guard and W Sound marina responded. He replaced impeller and we continued on to W Sound marina. Mary & Ken on boat. Some birds, ^{and mammals} observed but not complete census: rhinoceros auklet, marbled murrelet, 2 adult bald eagles, 3 harbor seal. Returned to Lopez Island.

← cont page 930304-18.

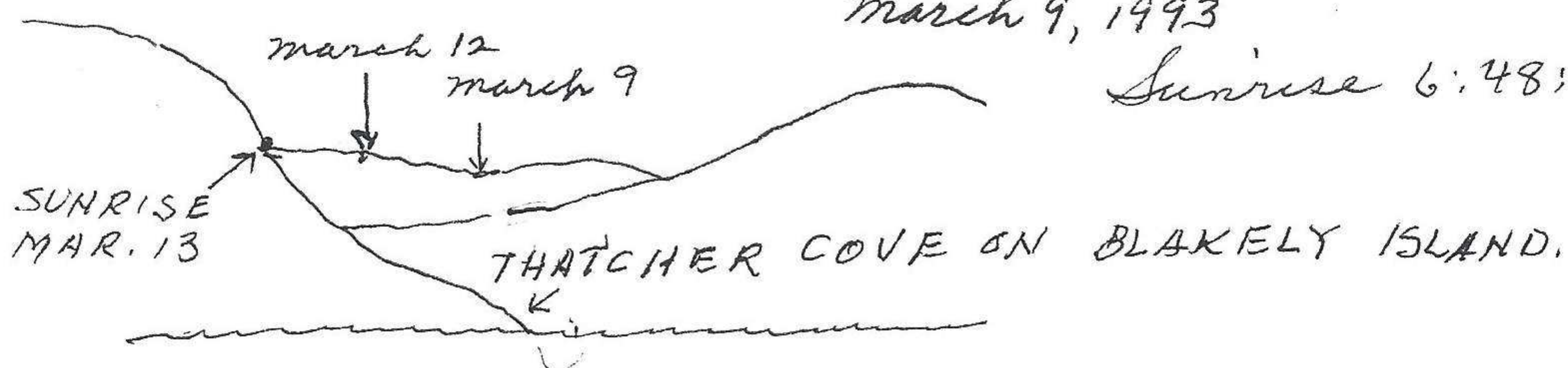
March 6, 1993

7 pairs buffleheads on Humphrey Lagoon, at Odlin Park: 1 common goldeneye, 2 buffleheads, 1 red-breasted merganser.

At Bee House, Townsend chipmunks chasing each other at about 5:30 P.M. each evening from 12-48 surf scoters fly N from Swift Bay up N Lopez Sound and almost always a foot or 2 above water and in a line,

March 9, 1993

Sunrise 6:48:18 A.M.



March 11, 1993

Left Lopez Island to Anacortes via ferry and car to Bellingham via Chuckanut Drive. Between turnoff of 20 at Farmhouse Inn to Edison, the fields were populated by group totaling approx 700 birds generally distributed in above groups.

On return trip from Anacortes observed ad. bald eagle perching N end Cypress Island.

Glaucous-winged gulls every 4' on P. winter Island.

March 12, 1993

Sunrise 6:45:12 (see on diagram March 11, 1993 for location). All sunrises marked from Bee House.

To Anacortes by ferry; birds enroute: 1 glaucous-winged gull, 1 double-crested cormorant (only birds observed). Slight wind and currents all the way.

On return from Anaerots to Lopez Island at 5:20 P.M. birds observed; 1 double-crested cormorant, Beacon SW Cypress - 2 glaucous-winged gulls, E Thatcher Pass, pelagic cormorant, at Leo Reef. No whitecaps, Arrived Lopez Island.

Mar. 13, 1993

Sunrise 6:14:17 A.M. at notch between ridge of Bald Bluff and distant ridge on Blakely (see march 9, 1993 for position on outline of Blakely.)

River otter swam S past Ru House to Lichen Point & beyond.

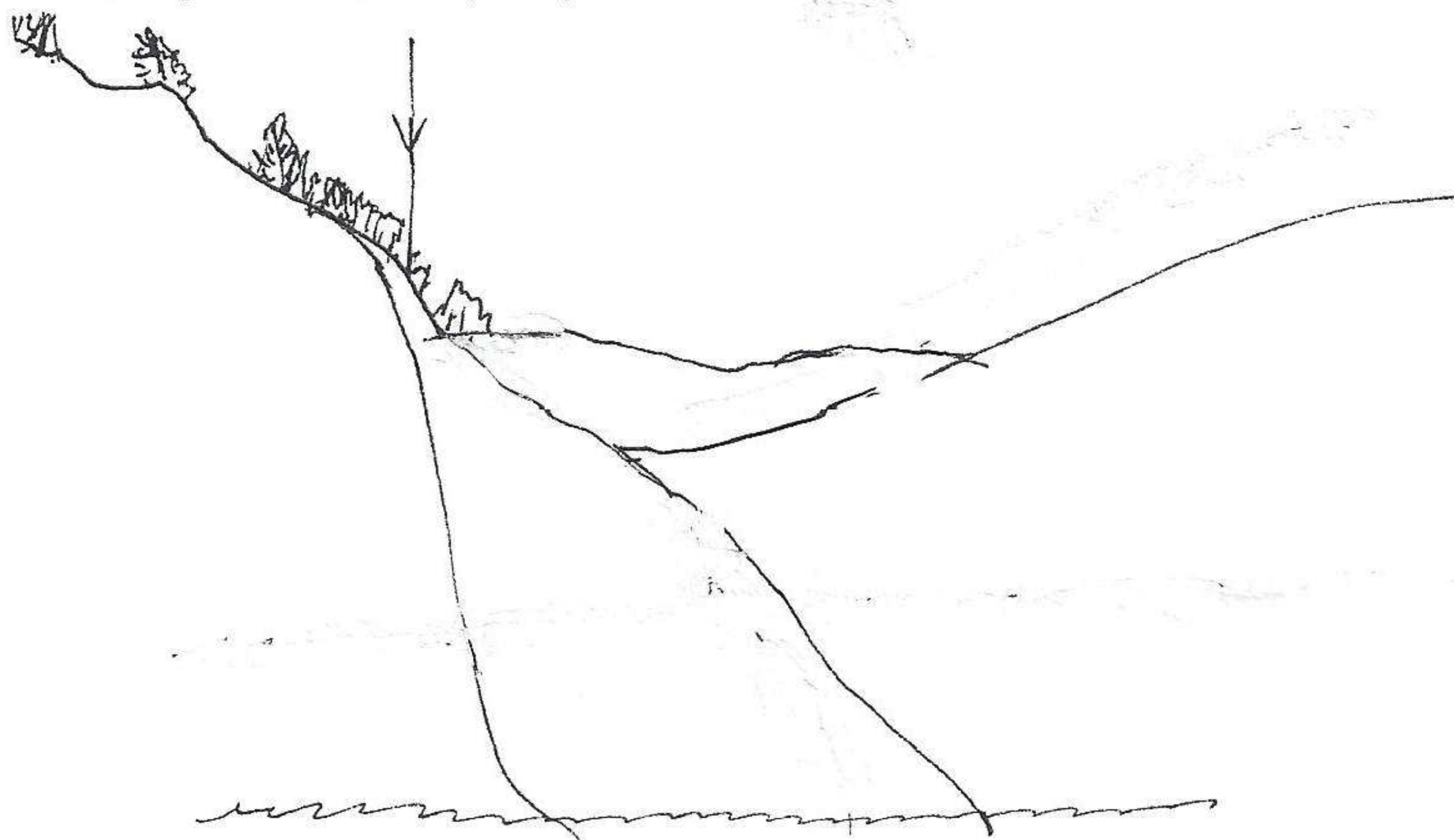
Mar. 15, 1993

On west side of causeway W of South Fishermans Lagoon observed: 2 brant, 11 buffleheads. On E side of causeway: 62 northern pintails, 8 mallards, 4 glaucous-wing gulls, 53 green-winged teal, 80 sandpepers (? western), 5 American crows. The crows have the same technique of dropping mollusks (cockles, butterclams etc) on rocky shoreline or Mc Adam road. On Swift Lagoon: 18 northern pintails, 6 mallards, 7 green-winged teal.

Some green grasses on and above shoreline.

March 16, 1993

Sunrise 6:39:20 A.M.



March 17, 1993

To Chris' at Lost Lake. Talk to Matt's school.

On highway 77 from Woodenville, skunk cabbage in blossom.

Collected the following mammal from home of Chris Kenagy at Lost Lake, Snohomish Co., Wa.:

930317-1 Sorex v. vagrans.

On return from Chris' to Lopez Island, noted 21 trumpeter swans 2/10 mi. S Monroe Correction Prison, all resting in a cultivated field.

march 19, 1993

2 red-tailed hawks observed along river road 1 mi. W of Inohomish.
 On pond at junction Elliot and Fales roads.
 observed 16 mallards, 43 American widgeon, 2 Canada geese.

march 21, 1993

Imm. bald eagle flew N over Bee House, then turned abruptly
 back and sailed into and out of Spring Cove.
 9:55 A.M. 1 river otter swam N past Bee House.

march 24, 1993

Left Lopez Island 7:55 A.M. for Anacortes via ferry. In crossing
 Rosario Straits observed group of rhinoceros auklets, 1-1-1-3-1-6-
 1-4. also 6 glaucous-winged gulls and 13 brant. Arrived
 Anacortes ferry terminal. First barn swallow this season.

Left Anacortes ferry terminal at 5:36 P.M. for Lopez Island. Before
 leaving noted in bay to SW; 37 buffleheads, 2 harbor seals,
 16 surf scoters, 12 glaucous-winged gulls on water and 45 on piling
 in bay. In Rosario Straits following rhinoceros auklets flew
 S in groups of 2, 4, 28 all flying S. Pointer Islands supported
 usual territorial gulls overaging 4' apart, 9 in air above island.
 Arrived Lopez Island 6:26 P.M. 36 glaucous-winged gulls on
 piling at terminal.

march 25, 1993

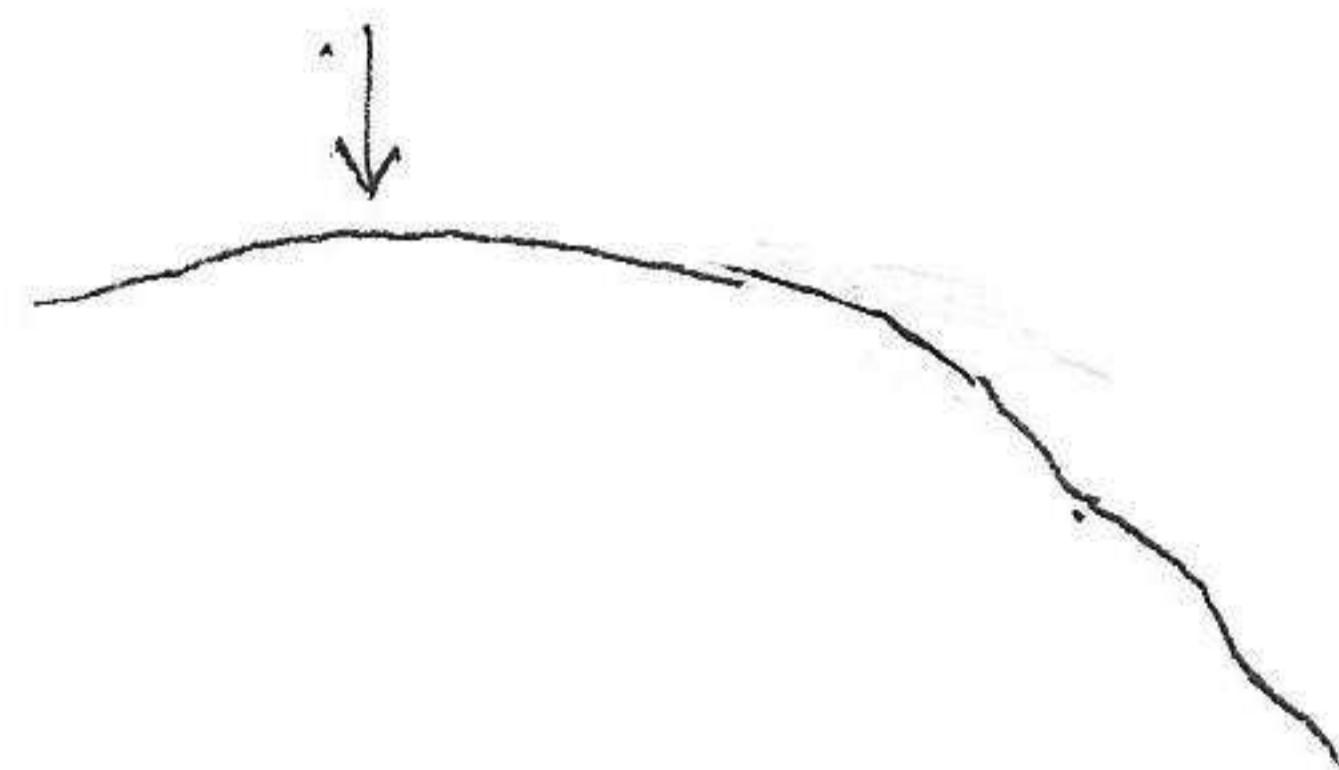
Swallow (violet green) first occurrence of Bee House, also 3
 turkey vultures.

10:32^{AM} river otter swam S past Bee House.

3:20 P.M. river otter flew N past Bee House. also 1 bald eagle to N.

march 26, 1993

Sunrise 6:21:20 A.M. exact top Bald Bluff mt,



march 31, 1993

4:00 P.M. 7 river otters swam S past Bee House.

Kunt mule deer at Bee House feeder 23 1/2" high at shoulders.

at late dusk both myotis and bald eagle active. Rufous hummingbird
 active from day break to late twilight.

River otter swam N past Bee House at late twilight.

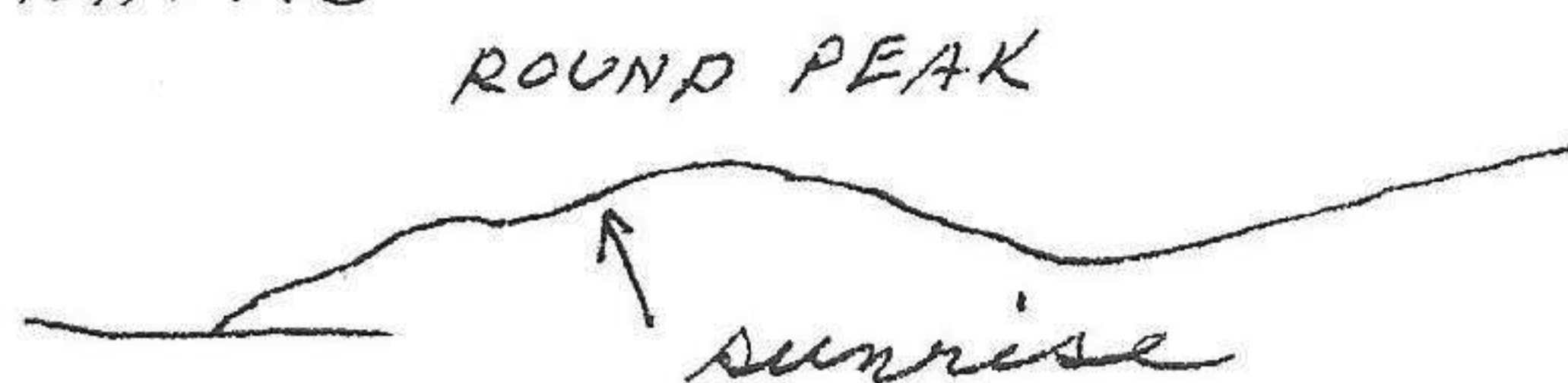
April 9, 1993

4:15 P.M. 39 harbor seal on north Flower Rock. Bald eagle on nest NE Frost Island.

Osprey circled and hunted for fish in S end Shoal Bay.

April 12, 1993

Sunrise 6:51:40 A.M. The sun first appeared at the ridge at base of trees at 6:49:18 A.M.



April 13, 1993

4:05 P.M. at ^{w side} causeway on w side S. Fisherman Lagoon observed: 5 groups of [^]buffleheads, 11, 23, 18, 2, 12. Brant in groups of 17, 22-41, 13 glaucous-winged gulls, 4 American crows, 2 common loon. On E side of causeway in lagoon: 34 glaucous-winged gulls generally distributed, 1 great blue heron, 6 American crows, 1 belted kingfisher, 3 green-winged teal. Tide low.

April 14, 1993

To Anacortes via ferry. In Rosario Strait 27 brant, ^{and 2 marbled murrelets,} (selective observation)

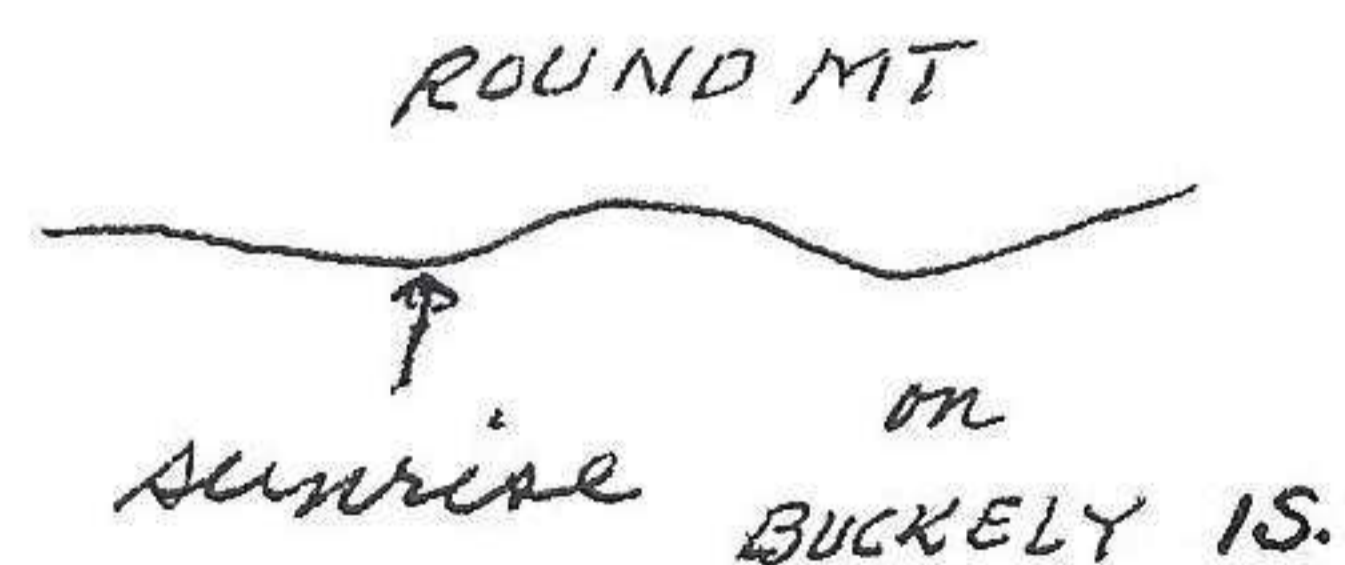
April 15, 1993

Maples sized but arrived at Bee House shortly after daybreak, flew 4 times past windows Bee House 3rd story, SE side. and then entered roosting site. This at 6:30 A.M. with lights well well developed.

April 16, 1993

Sunrise 6:39:50 AM at notch n end Round Mt.

Today at midnight a large 100' or so and 3 tier ^{commercial ship,} height anchored between Frost and Flower Island for remainder of night. Used search lights frequently. Log rafts and tug boats use same area (against Frost) on the average of 5 times per month with search lights and movement for rest of night. The bald eagle nest is approx. 2/10 mi. away ^{on} NE Frost Island.



April 19, 1993

The rufous hummingbird feed from sugar feeder on an average of 3 times a day whereas usually they feed from the feeder all day. They now spend most of the time on the inflorescence of the madrona.

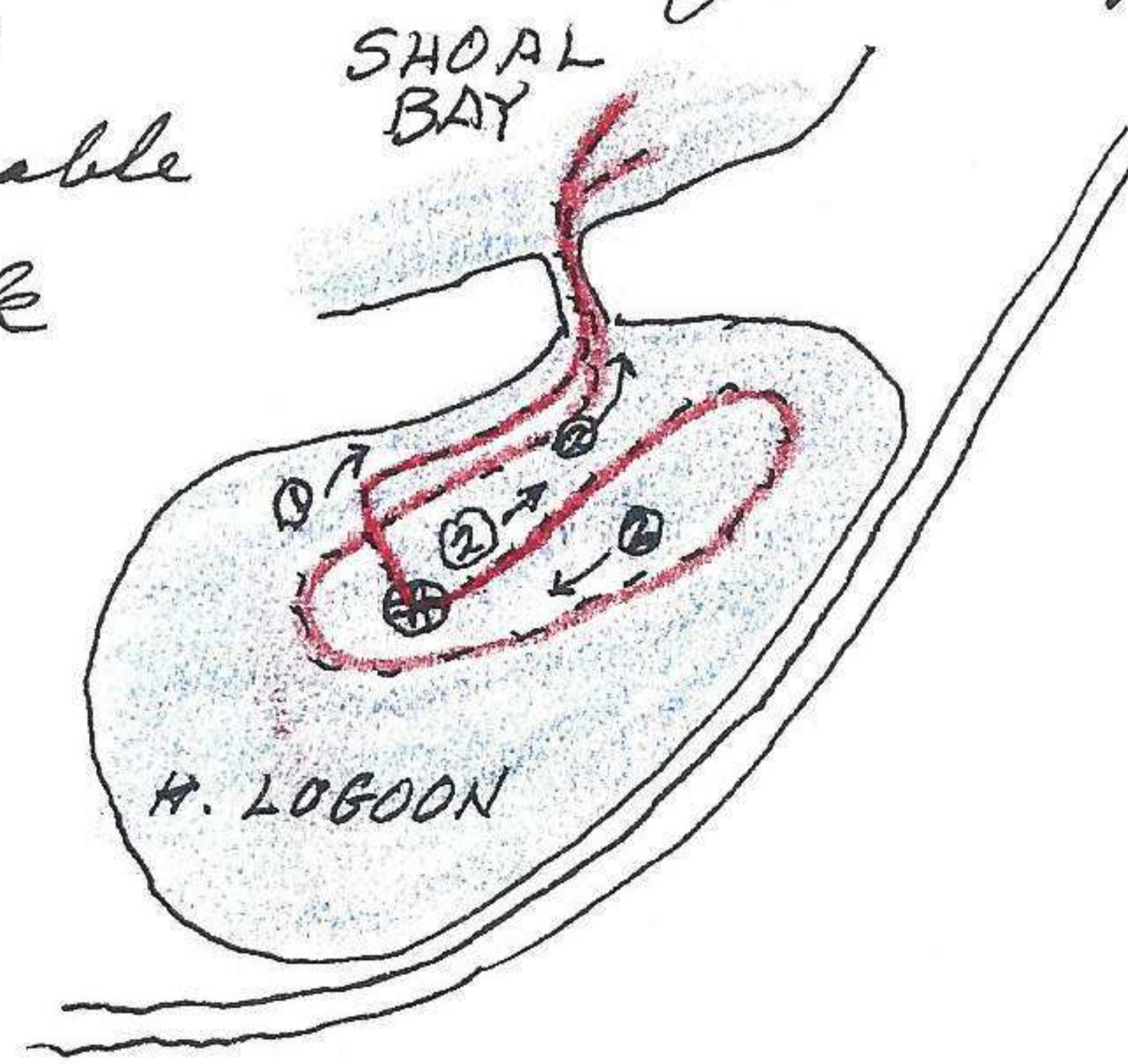
Checked causeway on S Fishermans Bay Lagoon. On west side along shore, 47 brant generally distributed, 38 buffleheads, 1 double-crested cormorant, 6 horned grebe on group and associated with buffleheads, 2 surf scoters, 1 red-necked grebe. On E side causeway in lagoon; 21 glaucous-winged gulls, 1 great blue heron, 2 greater scaups, 55 northern pintails along fresh water entering onto mud flats, 2 green-winged teal, 1 american oystercatcher. On Swift Lagoon; 34 green-winged teal, 50% pairs, 2 northern pintails, 3 gadwalls.

April 20, 1993

5 band-tailed pigeons at feeder, one crouched in a low street. Heard call of this species in A.M.

In N Fishermans Bay Lagoon noted: 12 northern pintails, 2 mallards, 2 green-winged teal. On Swift Lagoon 36 northern pintails, 13 gadwalls, 9 western sandpipers, 3 greater yellowlegs, 1 dowitcher. An adult bald eagle flew E across Swift Lagoon approx 90' high. all birds left in species flocks circled once and returned to lagoon. 4 minutes later the same eagle returned and all birds left but returned as soon as eagle was beyond lagoon.

On Humphrey Lagoon 2 adult river otters were vigorously fighting in middle of lagoon, sometimes half body out of water. The was considerable wheeling and fighting each other in neck and head region. No. 1 withdrew from fighting area and swam to near shore then NE to outlet and then beyond. no. 2 swam to upper end lagoon, return, thence toward shore, thence to outlet and beyond.



April 21, 1993

while waiting in line for ferry arrival on Lopez Island an adult bald eagle circled once above parking area. Continued Anacortes. On return from Anacortes (3:33 P.M.) observed glaucous-winged gull, pelagic cormorant, pigeon guillemot, group of 1, 2, 2, 2, pigeon guillemot, pelagic cormorant, Common loon, 2 pigeon guillemot, glaucous-

winged gull, Common Loon, pelagic cormorant, pigeon guillemot, approx. 500 double-crested cormorant in middle Rosario Straits at 3:53 P.M., 2 pigeon guillemots, 3:57 P.M. W. Thatcher Pass, 2 western grebes, lone American Crow from Blakely Island to Humphrey Head. Arrive Lopez Island 4:12 P.M.

At Bee House observed common loons to dive by a graceful forward submergence and a ^{minimum} forceful thrust.

Have observed at ^{mule deer} feeding area at Bee House that fecal pellets at times cover most of the area of constant use but at other times in a course of 1 or 2 days they will disappear. Animals that might use fecal pellets for food are: Peromyscus, domestic rabbit, crows

April 25, 1993

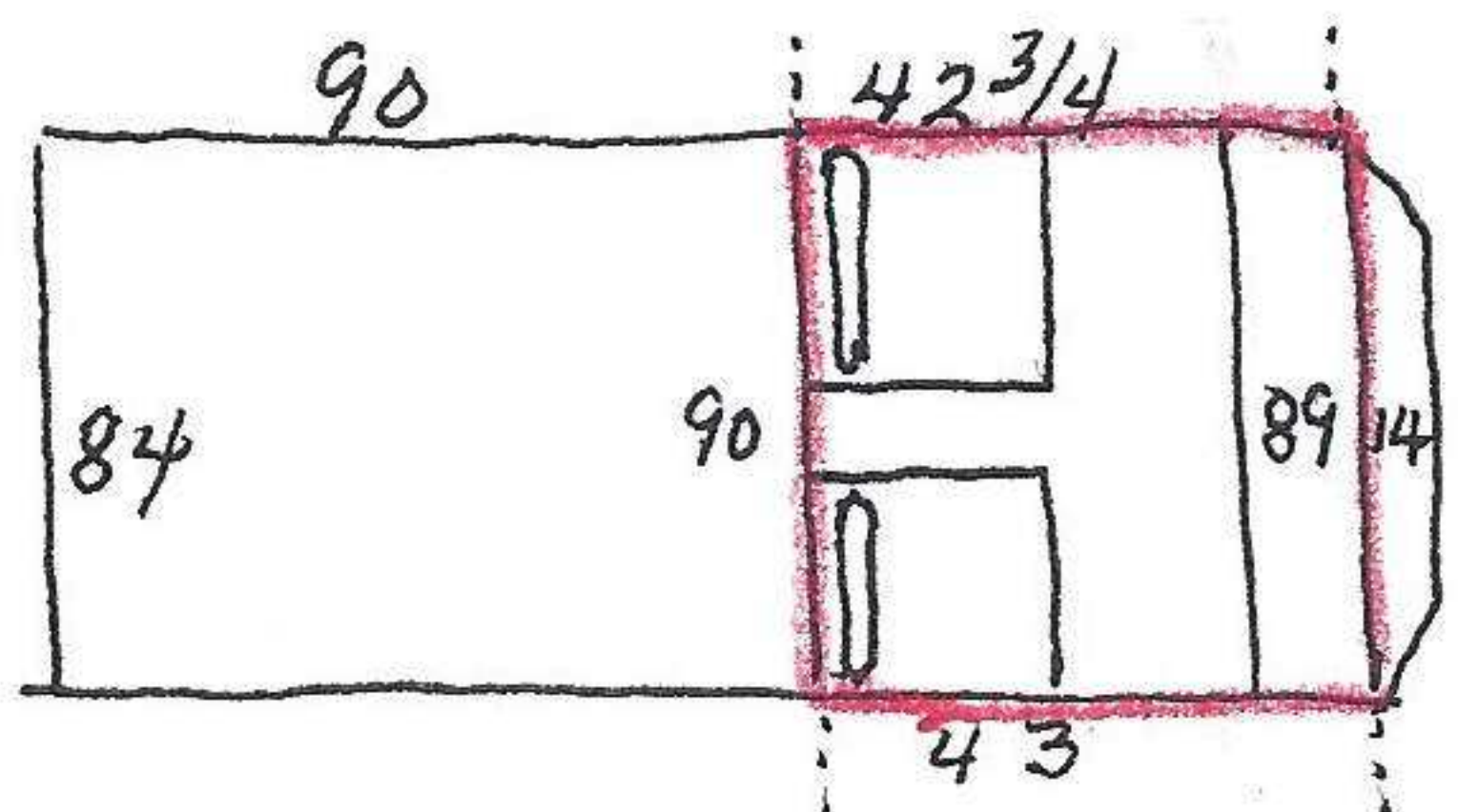
1:55 P.M. 43 harbor seal n Flower Rock. no gulls Flower Island, bald eagle on nest NE Frost Island.

April 26, 1993

10:30 A.M. ad. and imm. (following) bald eagle flew n past Bee House at approx. 3' above water and 40' from shore.

Birds observed at S. Fisherman Bay Lagoon. On E side causeway: 71 glaucous-winged gulls generally distributed on mud flats, 11 great blue heron in narrow channel at exit of lagoon at N end; 4 American crows. On W side causeway: 8 American crows, 18 glaucous-winged gulls (13 of them dropping clams on either road or beach to break open the clam); 14 brant in one group, 53 buffleheads, 6 horned grebes. Flock of approx 30 western sandpipers flew n along beach.

measurement of bridge of Grand Bank (Bee) for binimi.



8:34 at late twilight a violet green swallow, ^{twice} entered nesting box on Bee House, then left. Late twilight.

April 26, 1993

3:10 P.M. Birds on Swift Lagoon: 34 green-winged teal, 11 gadwalls, 1 greater yellowlegs, 1 long-billed dowitcher.

April 27, 1993

1:02 P.M. Cumulus clouds to 5. This spring has been cold and almost twice as much rain of previous years. Census of birds and mammals on rocks and islands in n. Lopez Sound; An Leo Reef (Rocks 3, 4, 5) 9 harbor seal, on n Flower Rock 57 harbor seals, on Big Flower Rock 4 harbor seals. Bald eagle not on nest nE Frost Island; 2 double-crested cormorants and 3 glaucous-winged gulls on Flower Island.

3:05 P.M. checked same area as above: Leo Reef 12, Leo Reef Rock no 10 6, Big Flower Rock 5, n Flower Rock 53. Bald eagle on nest. 4 glaucous-winged gulls on territories, 10 double-crested cormorants,

April 28, 1993

5:10 P.M. no harbor seal Leo Reef 3, 4, 5 Rocks, 5 of Leo Reef Rock no 10, 27 harbor seal n Flower Rock. 6 glaucous-winged gulls on territories, 6 on ridge Flower Island.

April 29, 1993

8:42 P.M. At late twilight a violet-green swallow entered the nesting box on Bee House and remained inside. At the same time a myotislike bat started to forage below nesting box area of house (nE side 3rd story), first slow and deliberate and 4 minutes later extended range and increased flight speed. After 4 minutes it left area.

April 30, 1993

- at 1/2 hour after daybreak a myotislike bat arrived at Bee House, foraged 2 minutes and then entered roosting area on upper part of building.

April 30, 1993

- Took 8 photos of Bee House and estate in general. (Kodacolor)
- 930430-1 Stairs from front door Bee House.
 - 930430-2 Double Fir
 - 930430-3 Framed shoreline S Spring Cove
 - 930430-4 Large Douglas fir trees.
 - 930430-5 Bee House from SW Spring Cove
 - 930430-6 Bee House from dissected point.
 - 930430-7 " " " " "
 - 930430-8 lower outcrop, Forest.

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

April 31, 1993

Left Lopez Island for Anacortes at 10:58 A.M. via ferry, more green of deciduous trees among conifers than previous year.

An adult bald eagle circled upward from Thatcher Bay to height of Bald Bluff then east.

11:12 A.M. W end Thatcher Pass, continued east. Glaucous-winged gulls 1/3 less on Pointer Island than usual. no gulls on Black Island. No other birds enroute except birds listed above, unusual low tide, arrived anacortes ferry terminal 11:33 A.M.

Left Anacortes ferry terminal for Lopez Island at 5:22 P.M. Birds to James Island: glaucous-winged gulls, common murre, 2 rhinoceros auklets, 1 pelagic cormorant, (mid Rosario Strait), 8 double-cormorants, 1 rhinoceros, 3 pelagic cormorants, 1 pelagic cormorant, 1 rhinoceros auklet, 8 western grebes. E. Thatcher Pass, glaucous-winged gull, W. Thatcher Pass, double-crested cormorant. arrive Lopez Island.

May 1, 1993

5 otter in one group swam n past Bee House.

May 2, 1993

1 otter swam n past Bee House.

May 3, 1993

2 otter swam S past Bee House at 2:35 P.M.

May 4, 1993

Swift Bay Shore: 42 greenwinged teal, 2 mallards, 4 godwits. one bald eagle n along shoreline.

May 5, 1993

11:20 A.M. otter swam n past Bee House. Common raven on ground 20' from Bee House.

May 6, 1993

In Swift Lagoon: 2 blue-winged teal, 2 mallards, 2 godwits, 2 green-winged teal.

At Bee House 2 otter swam S. The distance from shore is along edge of shore to 30' from shore averaging 12' from shore.

May 7, 1993

8:20 A.M. 2 otter swim 5 past Bee House.

at Swift Lagoon: 21 widgeon (am), 2 greater yellowlegs, 2 short-billed dowitchers (sp.?).

May 8, 1993

At Swift Bay ^{5:35 P.M.} near shore an osprey circled about 100' above, hovered and on 3 occasions dropped to water for fish.

At Bee House 2 otter swim n.

May 9, 1993

at noon at Swift Lagoon: 89 western sandpipers, 2 dunlin, 4 least sandpipers?. Nest and young of Brewer's blackbird in shrubs along road, nest 5' high from ground.

On west side causeway 5 Fishermans Bay in sound w of causeway: 9 glaucous-winged gulls, 11 American cross, 2 great blue heron. On E side causeway: 6♀, 4♂ buffleheads, 29 glaucous-winged gulls.

Harbor seal in area: Leo Reef (Rock # 4, 5, 6 = 4 seal; # 9, 13 seal, at # 10 2 seal, at # 11 31 seal or total of 50 seal. Of these some rocks were white pelages; # 4, 5, 6, 4 white; # 9 5 white, # 10 2 white, at # 11 12 white or 23 of the 50 harbor seals were white. As one views Leo Reef from Bee House, one only sees the n side so I presume the south exposure would have a similar density. No other seal in area (Flower Island and its rocks).

At Bee House otter had covered a wide board that was housed under open end of house (facing water). It represent approx. 2 cupfuls of dung.

no bird feed since April 1 and lock of same was associated with decrease number of birds that used the feeder.

The bald eagle on NE Frost Island is observed on nest practically all day. Sightings of bald eagles is daily.

at 4:10 a tour boat approached Leo Reef Rock # 9 and displaced ^{harbor} seals. Rock # 10 waves washed seal off rock, Rock # 11 all washed off except 1 that climbed to top, 4:20 P.M. Rock # 9 now 3 seal, Rock # 10 still abandoned, Rock # 11 4 had returned. Many times harbor seal never return to their haulouts if displaced.

May 10, 1993

Harbor seal on Leo Reef Rock # 4, 5, 6, 6 seal, # 9, 10 seal, # 11, 33 seal total 49. Rock no 10 8' above level of water.

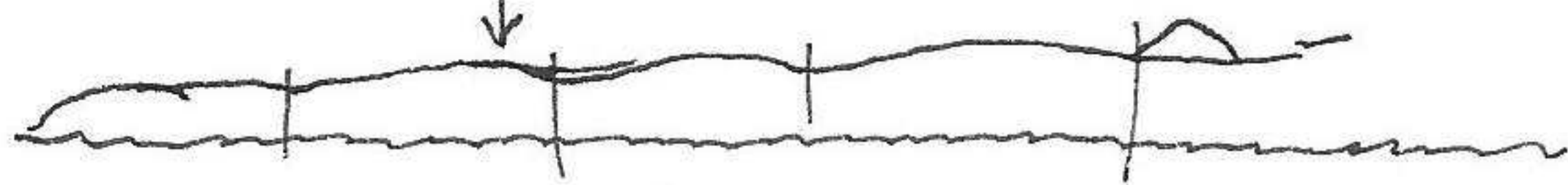
no glaucous-winged gulls on Flower Island. Bald eagle on nest,

May 11, 1993

6 river otter swarm S past Bee House at 7:30 A.M.

4:00 P.M. Bald eagle on nest.

sunrise 5:55:18

violet-green swallows
active at nesting box.

mourning dove flew N over Bee House and first one observed this winter and spring.

May 16, 1993

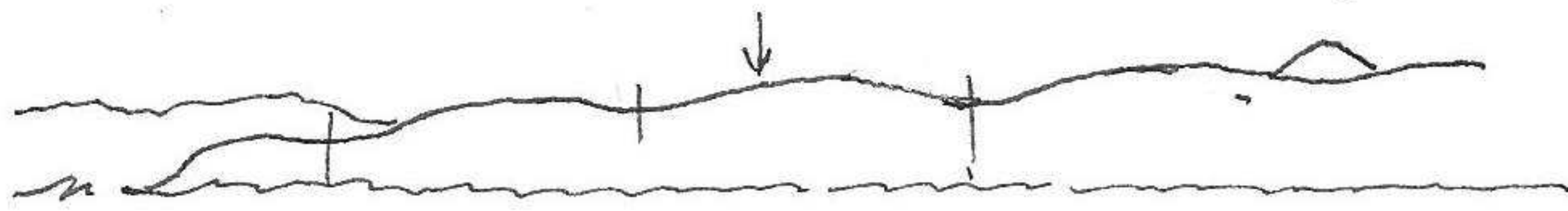
Trip Friday Harbor at 10:10 A.M. via ferry.
eagle in tree one half height of island.
over, observed no birds except eagle.NE Brown Island bald
On return trip, as trip

May 15, 1993

This evening at 6:20 P.M. 2 river otter swarm N past Bee House.

9:05 A.M. violet-green swallow entered S nesting box and remained inside. Bird using N box entered twice, then left. They frequently fly past boxes and high speed (1 foot away). At 5:56 P.M. one of the violet-green swallows left and returned to box.

May 16, 1993



sunrise 5:49:40

violet-green swallows arrived
at S nesting box at 5:50 A.M.

Talked to Steve and Mary at Homer, Alaska. They reported the arrival of myrtle warbler 1 week ago.

9:11 P.M. violet-green swallow left for 10 second & returned to S nesting box. Left and did not return 9:16 P.M.

May 17, 1993

Sunrise 5:47:52. It took 4 mins + 46 secs to travel thru its diameter.
Madrona leaves pendulous last week.

May 20, 1993

Photos 930520-9 to 930520-18 of interior Bee House.

7:50 A.M. Two violet green swallows entered S nesting box, one came to entrance & remained approx. 1 min. 8:23 A.M. repeat of above.

May 21, 1993.

12:30 P.M. Count of harbor seal on Leo Reef. 8 seal on # 5, 6 rocks.
9 seal on rock # 9 or total 17. On Little Flower Rock 8 seal
on north Flower Rock 45 or total of all seal haulouts, 70 seals,

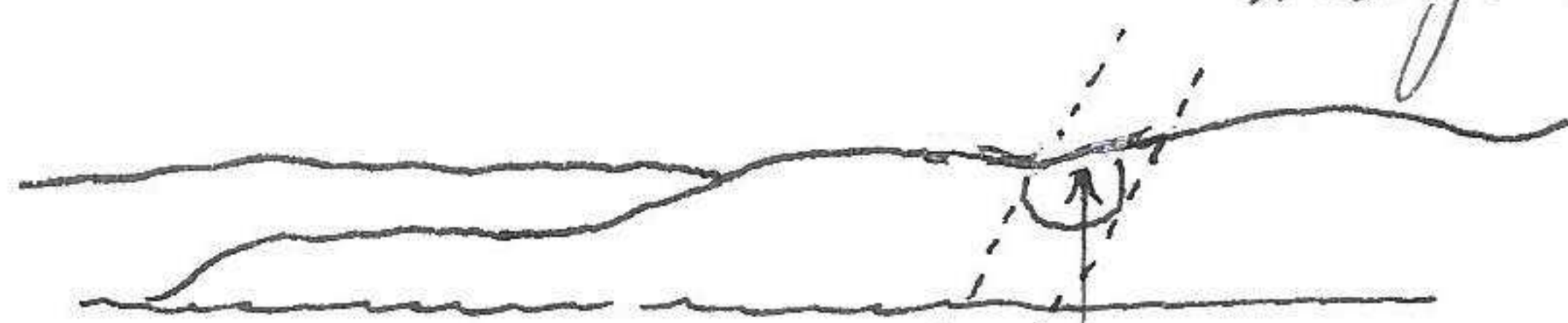
adult bald eagle on nest NE Frost Island.

May 23, 1993

Two new fawns at feed. One ♀ 29" high at shoulders.

Mary & Steve Kaufman of Homer, Alaska report 2 black bears recently observed near their home. All harbor seals on Leo Reef displaced by harassment from boat.

May 24, 1993



sunrise 5:36:55

at 5:34 AM a crow alighted on tree in front Bee House and 5 violet green swallow darted at it.

sun ascends at about 45° incline. It took 4 min. and 30 sec. to travel its diameter.

May 26, 1993

Photo 930526-19 close-up Lladro with rose.

" 9305 31-20 full Lladro and rose.

" 9305 31-21 full Lladro.

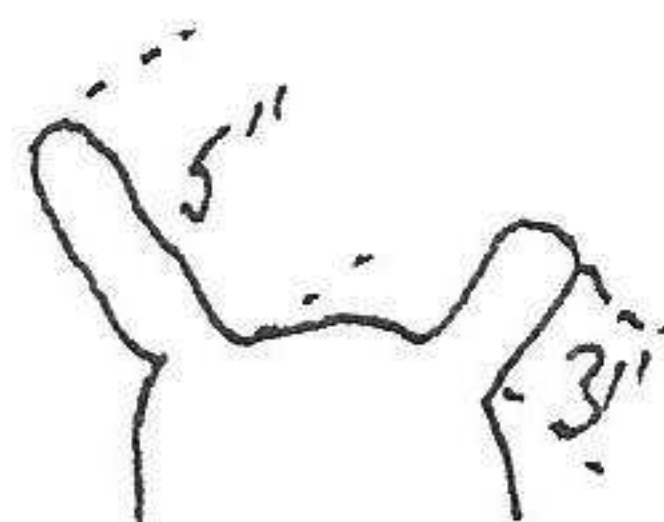
" 9305 31-22 Lladros in cabinet.

June 2, 1993

To Anacortes via ferry. Approx 150 glaucous-winged gulls to side of center Island, and under usual numbers of gulls on the island. Continued to Anacortes and then returned to Lopez Island, having departed 5:58 P.M. 6:03 P.M. double-crested cormorant flew N. 6:07 P.M. 2 double-crested cormorant flew S in front ferry. 6:11 P.M. glaucous-winged gull flew S past ferry. 6:13 P.M. rhinoceros auklet flew N. 6:15 P.M. 2 rhinoceros auklet flew S. 6:18 P.M. harbor seal in water. 6:25 P.M. at red beacon SW Blakely Island. 6:30 P.M. Willow Island, 6:36 P.M. Leo Reef. 6:38 P.M. 2 glaucous-winged gulls flew S. 6:40 P.M. NW Humphrey Head. 6:45 P.M. 66 glaucous-winged gulls on piling at Lopez Island ferry terminal. 6:46. arrive Lopez Island.

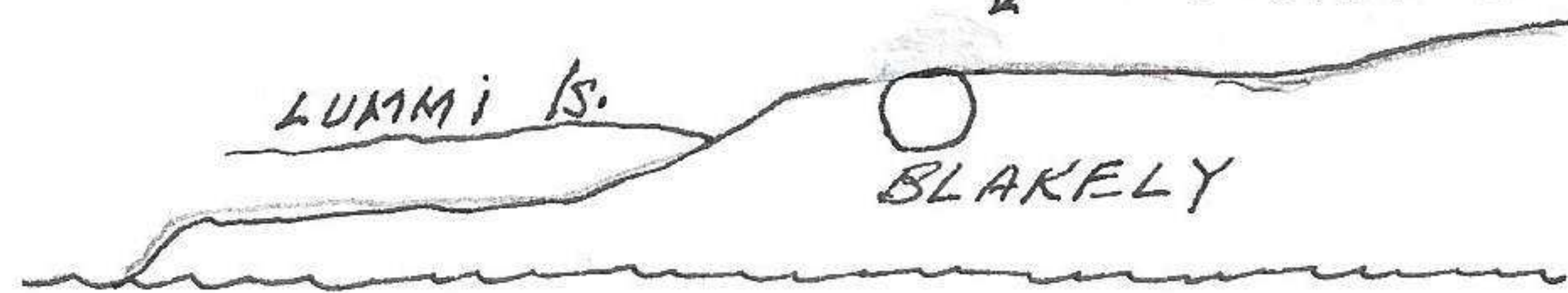
at pond SE junction Cross and Port Stanley roads 2 adult Canada geese and 7 goslings feeding on slope.

at Bee House male mule deer



June 5, 1993

sunrise 5:25:40 A.M.

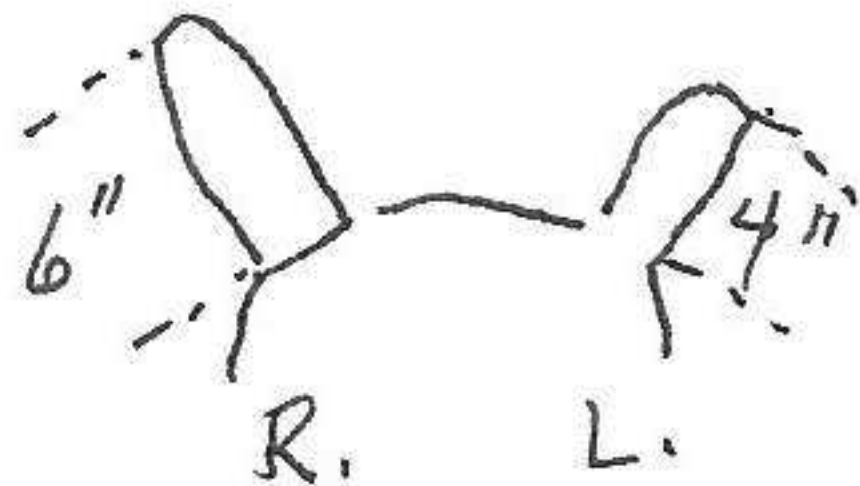


June 8, 1993

Calif quail side road at ^{Port} Stanley Road and fire station.
 River otter in effluent channel of Swift Lagoon, ran E across road and then returned to canal.

June 10, 1993

male mule deer antlers, mid-dorsal stripe
 widening and some new hair on upper rump.



3:45 P.M. 18 ♀ and 4 ♂ mallards in Swift Lagoon,
 Pond ^{SE} at junction Port Stanley and Cross roads 3 pairs Canada geese
 and each with goslings $\frac{1}{3}$ body length of adult,
 no river otter since Memorial Day. First river otter on Les Reef,
 E end.

Fewer bald eagle sightings than last month.

9:36 A.M. violet-green swallow entered nesting box at S end box.

June 13, 1993

Photo 930613-1 (number 23 on film strip) of cement work on N porch
 looking up.

Photo 930613-2 (number 24 on film strip), Ibid but from above.

In last 2 week violet-green swallows feeding (capturing insects) at
 late twilight, almost dark. Also feeding at presunup and early
 morning, but less during the day.

Skip Peralta reports bald eagle taking 1 rabbit and one house
 at the Shoal Bay marina rock quarry in 1991 while he was living on
 his boat.

June 15, 1993.

Took the Bee boat to and around Frost Island, at white cliffs NW
 Humphrey Head, 1 pair glaucous-winged gulls nesting N edge cliffs, 3
 pairs penguin guillemot on water below. At Les Reef 3:45 P.M., 17 harbor seal,
 64 glaucous-winged gulls. On Flower Island 36 glaucous-winged
 gulls 22 of which were on territories. At NW Frost Island at bald
 eagle nest 2 adults approx. 40' from nest that held a young eagle,
 At Bee House, orange-crowned warbler regularly fed on insects among

madrona tree. most branches in round green fruit.

Fairy-backed Chickadee feeding young on limb. young same size as adults.

June 16, 1993

9:40 AM 16 harbor seal on Leo Reef Rocks # 3, 4, 5; - one hundred eleven glaucous-winged gulls, 9 seal on #9, 12 seal on #11, 33 seal on Flower Island, 27 glaucous-winged gulls on Flower Island.

Bald eagle on nest, flew approx 100' W and alighted in tree. young between 1/4 and 1/2 size adults.

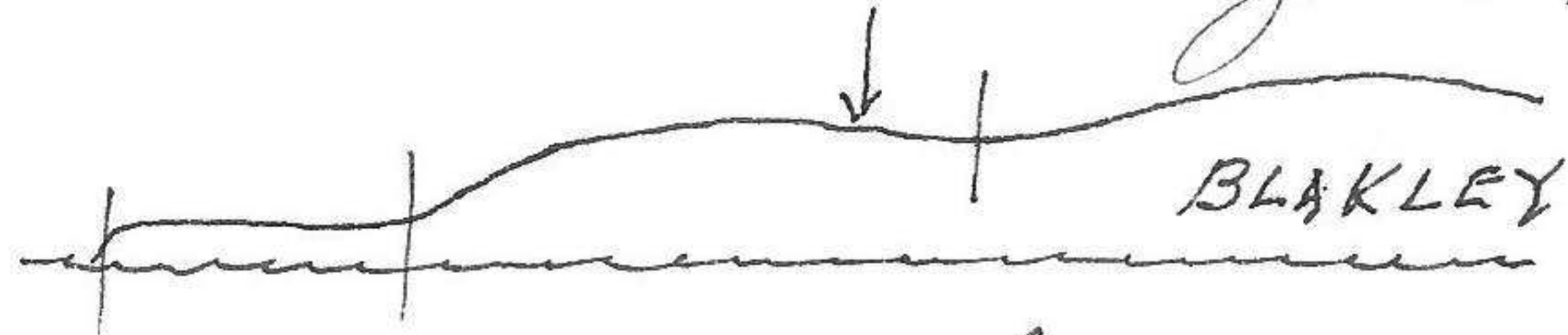
Photo 930616-23 and 930616-24 from Bee House showing secondary sunspots on each side of sun, 1:25 P.M.

June 17, 1993

Osprey circled 11 times in N end Swift Bay, then to point that turns S to Spencer Spit where it circled 4 times but at a higher elevation, 30' compared to 80'.

sunrise 5:46:28 AM

June 17, 1993



10:05 AM. 24 harbor seal on Leo Reef (Rocks 3-4-5), 108 glaucous-winged gulls, 16 harbor seal on Leo Reef Rock #9, 4 harbor seal on Leo Reef Rock no. 10 and 24 harbor seal on Leo Reef Rock #11. none on outliers of Flower Island, 21 glaucous-winged gulls on Flower Island.

June 19, 1993

Left Lopez Ferry 9:20 A.M. for Chris' home at Lost Lake. Only birds on ferry route were 2 glaucous-winged gulls in middle Rosario Straits, main currents E side Straits.

June 21, 1993

Returned to Lopez Island from Chris on Lost Lake.

At Bee House a violet-green swallow approached the N nesting box approx 80 times between 9:35 P.M. and 9:40 P.M. At the latter time it entered and then left 1 min. later. It then entered twice more and at 9:43 left the area.

mule deer have a soft sound when breathing. they eat the tops or inflorescence of grasses.

7:29:16 entered nest for 6 sec.
 7:30:21 " " " 9
 7:33:57 " " " 7
 7:40:03 " " " 5
 end of census,

Fog comes from Straits of Juan de Fuca
 and Rosario Straits, over Ducator +
 thru Thatcher Pass.

June 26, 1993 (cont)

First goldfinch at Bee House feeder in last 7 years.

June 27, 1993

Wind from S, cool. First American Crow arrive at Bee House at
 5:23 AM. First swallow left nesting box 5:24 A.M. Clouds obscured
 sunrise. Yesterday rain and thunder and lightning. at 5:31:40 AM.
 violet green swallow entered nest for 10 sec. and as it left, a second
 swallow entered and remained 8 seconds, no young at hole in box.
 One swallow entered 5:36:04 and remained in nest until a second
 swallow entered and both remained until 5:41:05 A.M. One returned
 for 8 sec. 2nd arrived 5:45:02 + left with one remaining in box.

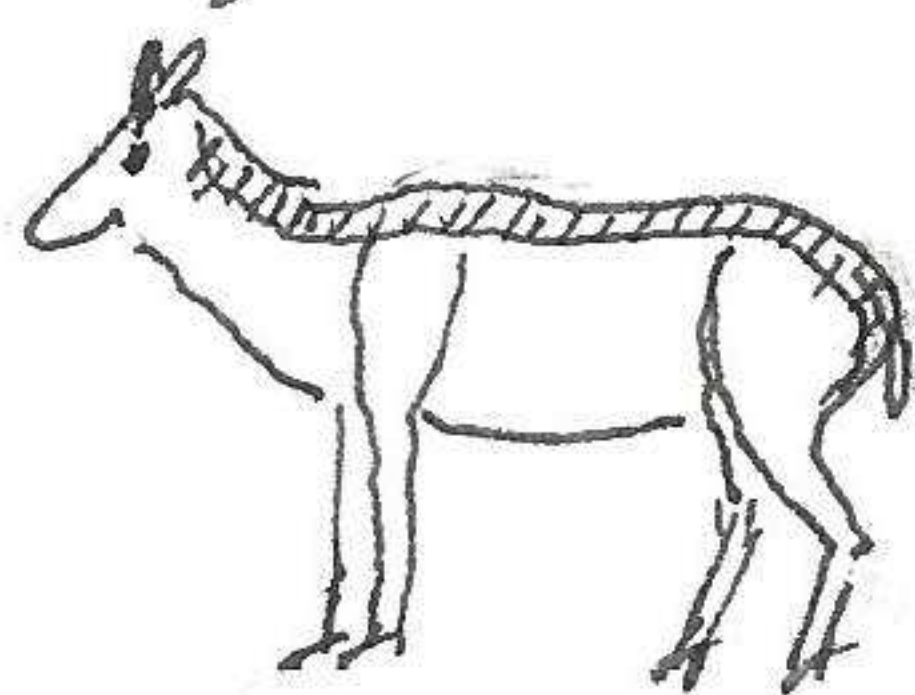
Runt male mule deer of last year fawn now 23" high at
 shoulder, Left eye injured.

Violet green swallow still active at 9:45 A.M.

♂ mule deer with left antler 5 1/2" and right antler 7".

♀ mule deer 29" high at shoulder with fawn.

The above ♂ mule deer has
 new summer hair and
 mid-dorsal,



June 30, 1993

10:30 A.M. river otter seen n past Bee House.

11:25 A.M. Harbor seal on pullout outliers in n Lopez Sound:

on Leo Reef Rocks # 4, 5, 6	10 harbor seals; 300 glaucous-winged gulls.
on Leo Reef Rock # 9;	13 harbor seal, 3 glaucous-winged gulls.
on Leo Reef Rock # 11;	28 harbor seals.
on n Flower Island;	15 harbor seals.
on Little Flower Island;	11 harbor seal 1 glaucous-winged gull.
on Flower Island	49 glaucous-winged gulls.
<u>totals</u> 77 harbor seal, 353 glaucous-winged gulls.	

Leo Reef Rock #10 just submerged with rising tide.

Photo 930630-1 of basalt outcrop under future stairway. Easiest way
 is to use small coal chisel and hammer and work on fracture planes.

one of the fawns has diarrhea.

8:50 A.M. 99 glaucous-winged gulls on Leo Reef proper and 160 to W in long raft of groups of 6-12. Associated with rhinoceros auklets in singles to groups of 5 and common murre in group of singles to 7.

85 glaucous-winged gulls S end Flower Island. 22 American crows alighted on Flower Island for 6 minutes and then left to S. They did not disturb the gulls.

9:58 P.M. violet-green swallow still active although nearly dark.

July 1, 1993

young violet green swallow at inside hole entrance.
no gulls (glaucous-winged) at least before 7:06 A.M.

♀ mule deer measured 30" high at shoulders.

Photo 930701-1 JWB of Augustine Volcano on Augustine Island Cooks Inlet, Aleutian Range, Alaska taken by Steven Carl Kaufman 1992. Purchase by James Robert Bee and presented to me.

- 6:50 P.M. 42 rhinoceros auklets
- 18 common murre
- 8 pigeon guillemots.
- 3 Heermann's gulls
- 131 glaucous-winged gulls.

Immature, ^{bold} eagle, all dark, on nest NE. Frost Island, almost size of adult.

Ad. bold eagle flew over Bee House to W rather than usual route NS past house.

noted 2 seal (harbor) on top of Leo Reef just as they emerged.
Rhinoceros auklet fly from one feeding area to another and plunk into water rather than partially glide.

July 2, 1993

At 5:00 A.M. water in Lopez Sound perfectly mirrors trees on top Blakely Island.

Feeding ^{by adults of} young violet-green swallows is 80% at entrance

9:35 A.M. Harbor seal in putout areas: (Leo Reef Rack #7 just emerging)

Leo Reef # 4-6,	5 harbor seal	132 glaucous-winged gulls.	
Leo Reef # 9	9 " "		
Leo Reef # 10	0		
Leo Reef # 11 (2 separate islands now)	32 harbor seal.		
Little Flower Island	4 harbor seal,	1 glaucous-winged gull	Totals 50 seal
north "	" "	" "	151
Flower Island	17 "	" "	glaucous-winged gulls.

3 rufus hummingbirds at feeder at Bee House.
no bats last 2 months.

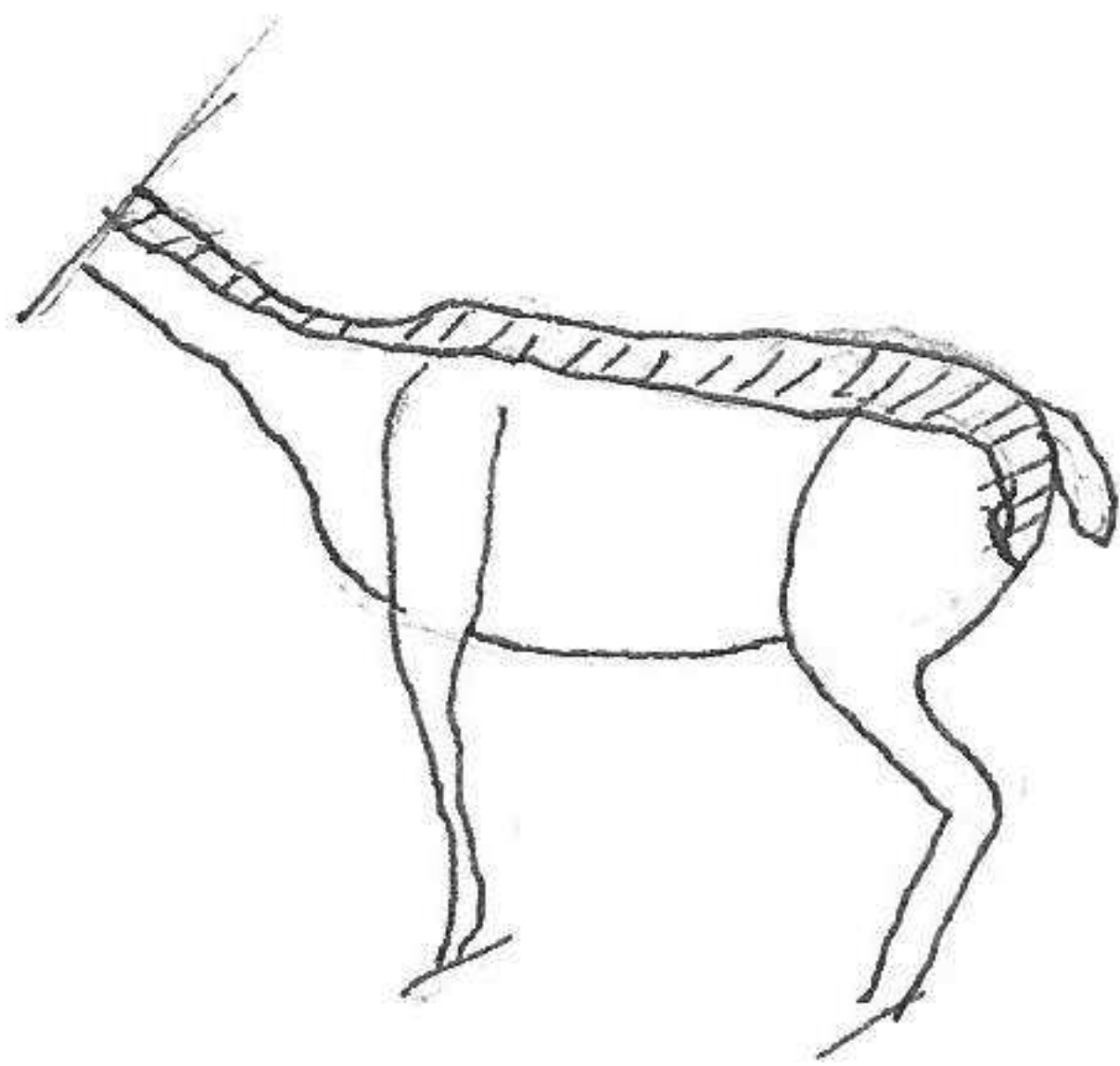
At 10:20 A.M. (low tide): harbor seals.

Les Reef	Rack	5 harbor seals
" " #9	"	9 " "
" " #10	"	3 " "
" " #11	"	<u>32</u> " "

Total 49 harbor seal

40% yellow leaves still on madrona trees. They have been falling last 3 weeks.

♀ mule deer in complete summer pelage, 30 1/2" high at shoulders.
♂ mule deer with unequal lengths of antlers now has 2" stripe down medial neck to 1" wide on back and rump.



July 3, 1993

9:10 A.M. 7 river otter in one group swam N past Bee House, 7 kayakers passed by and cause the otter to dive and not resurface.

Seals and gulls census: 10:45 A.M.

Les Reef Rocks	# 2-6	32 harbor seal, 152 glaucous-winged ^{gulls}
" " "	# 7	approx 7" above water.
" " "	# 10	0 harbor seal,
" " "	# 11	19 harbor seal.

Flower Island 19 glaucous-winged gulls,
young bald eagle of nest NE Frost Island gone today.

July 4, 1993

Bald eagle young on nest this A.M.

Fawn mule deer 31 1/2" high at shoulders.

July 5, 1993

7:10 A.M. Immature bald eagle flew S past Bee House with batlike wing movement (high wing stroke + low wing stroke).
Fawn mule deer measured 20" high at shoulders.

9:00 A.M. One of the 2 young violet-green swallows on roof of nesting box, attempted to slight on window seal but unsuccessfully. It also attempted to enter nesting box but the other young one inside blocked the entrance. It also attempted to light on win-

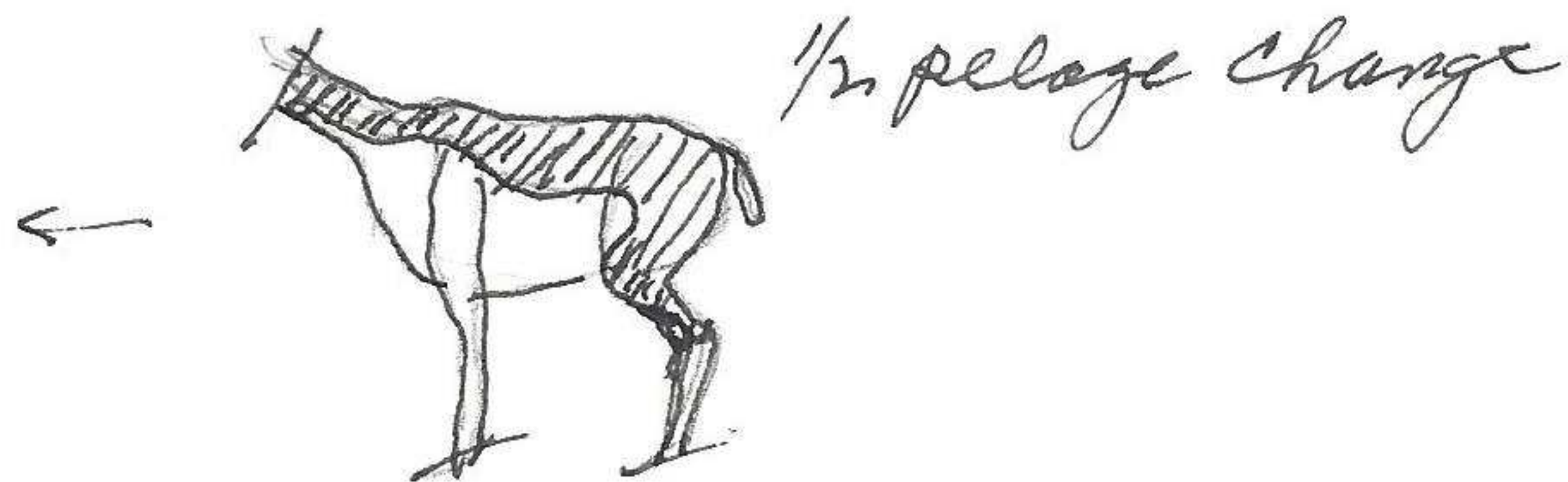
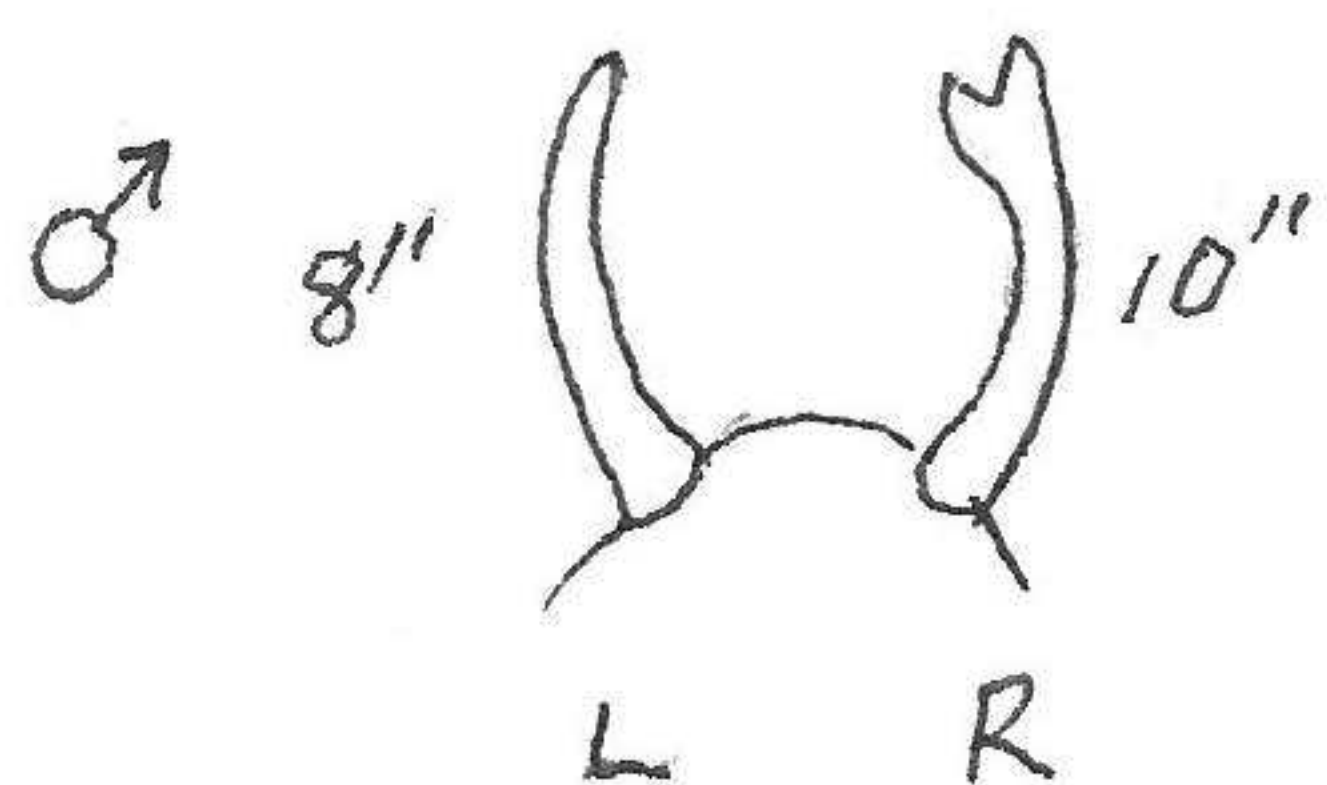
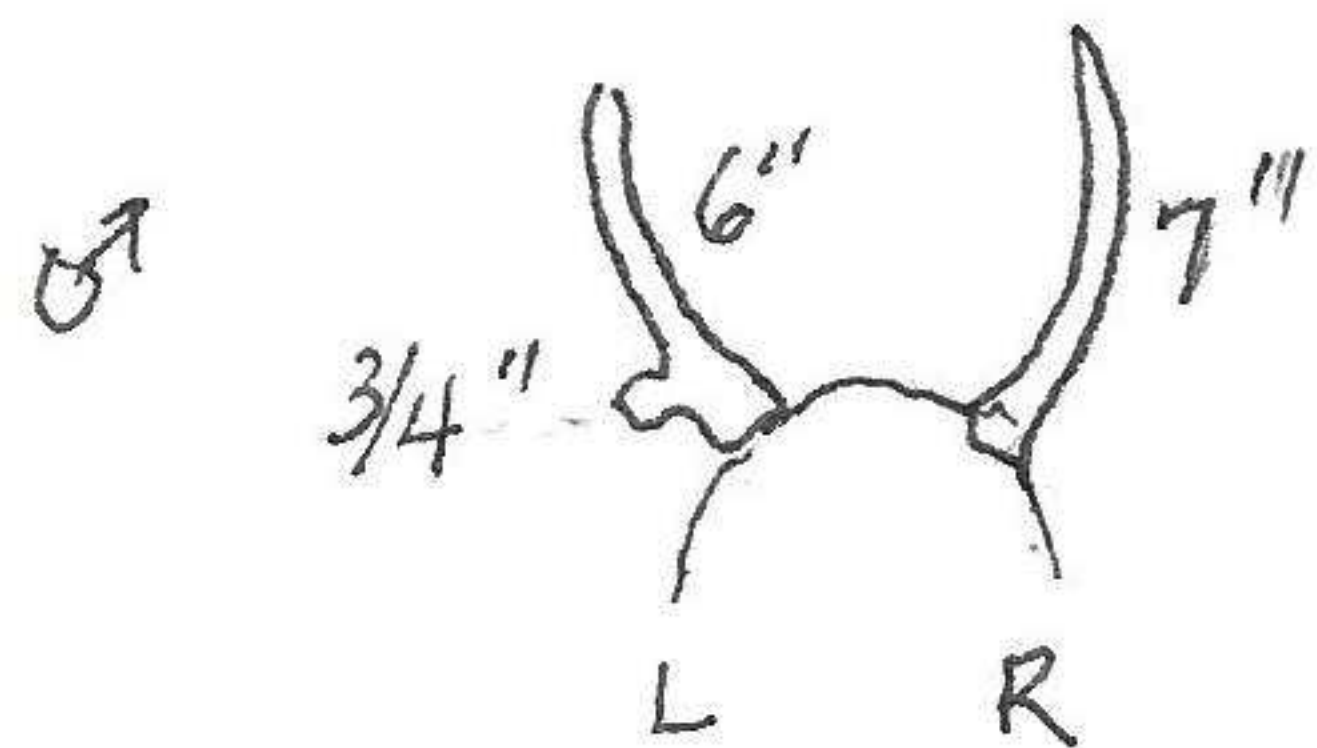
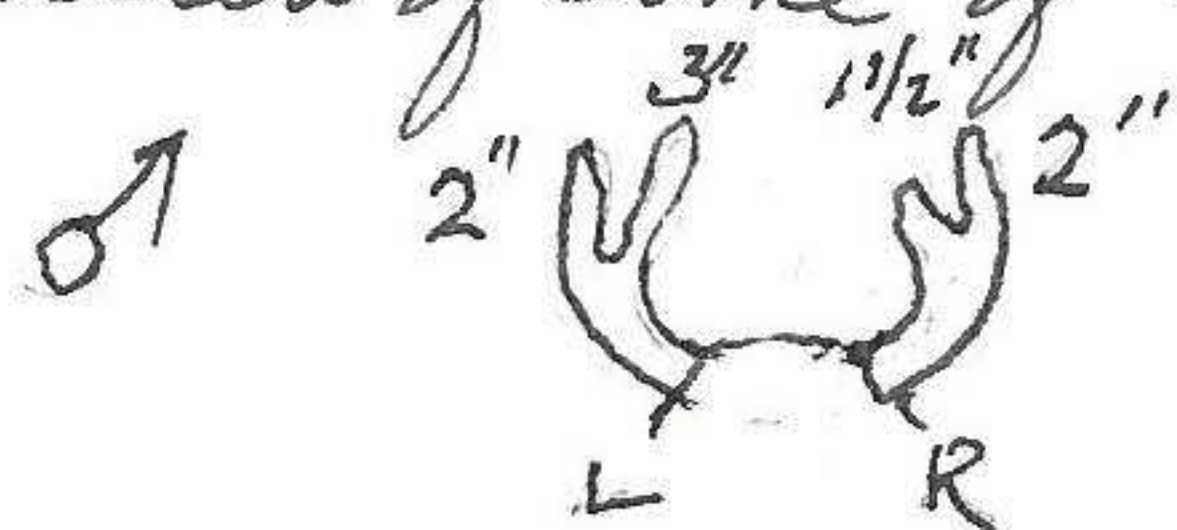
dow but slid down onto window sill. The adult swallows fed alternately by the 2 young, first the one at top of box and the other at entrance. Both young opened mouth when adults approached.

A bald eagle flew S past Bee House and one flew N $1/2$ hrs. later.

11:02 P.M. Glaucous-winged gulls on Leo Reef.

July 6, 1993

Antlers of some of the local mule deer: (Bee herd)
diameter approx 1"



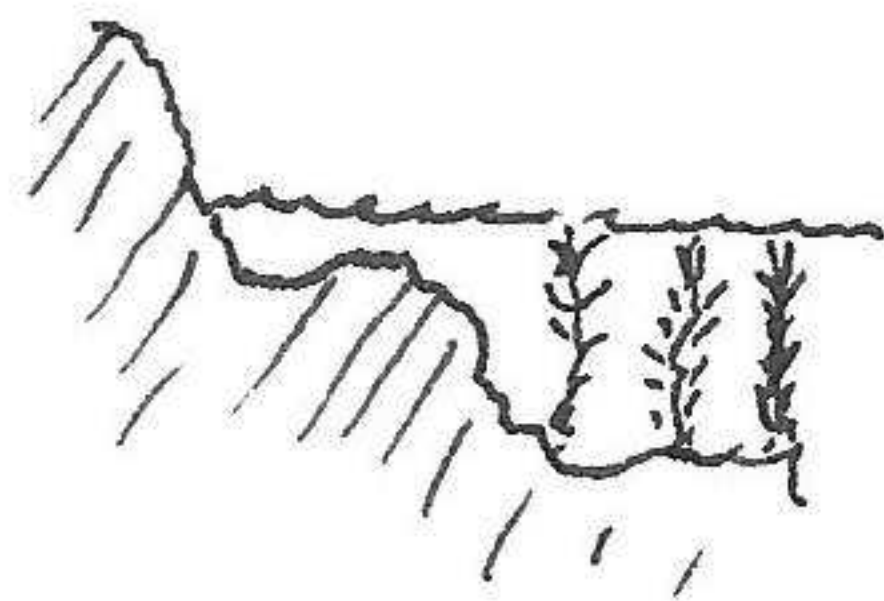
Young violet-green swallows left nesting box today.

July 7, 1993

Fawn mule deer 14" high at shoulder.

moon jelly Aurelia aurita floated by Bee House.

Sargassum muticum grows to surface from 2'-6' below shoreline in front Bee House. Good food. Disappears in fall & winter.



July 9, 1993

2 fawn mule deer measured 16" and 20" high at shoulders.

Sunrise 5:33:30 A.M.

2 violet green swallows back on top abandoned nesting box, no adults in area, young left in evening and not to return.

July 10, 1993

River otter swim S past Bee House at 8:05 A.M.

July 12, 1993

no activity at bald eagle nest NE Frost Island.

no violet-green swallows since last reported.

7 ^{mule deer} fawn, 21 1/2" high at shoulders

♀ mule deer 29" high at shoulders. All measurements are taken at Bee House and represent local herd.

July 13, 1993

12:30 P.M. Took following 35 mm color on Bee Estate; (numbers are film numbers).

930713-31 bark of madrona tree

930713-32 Spring Cove from top of cliffs.

930713-33 Spring Cove from top cliffs.

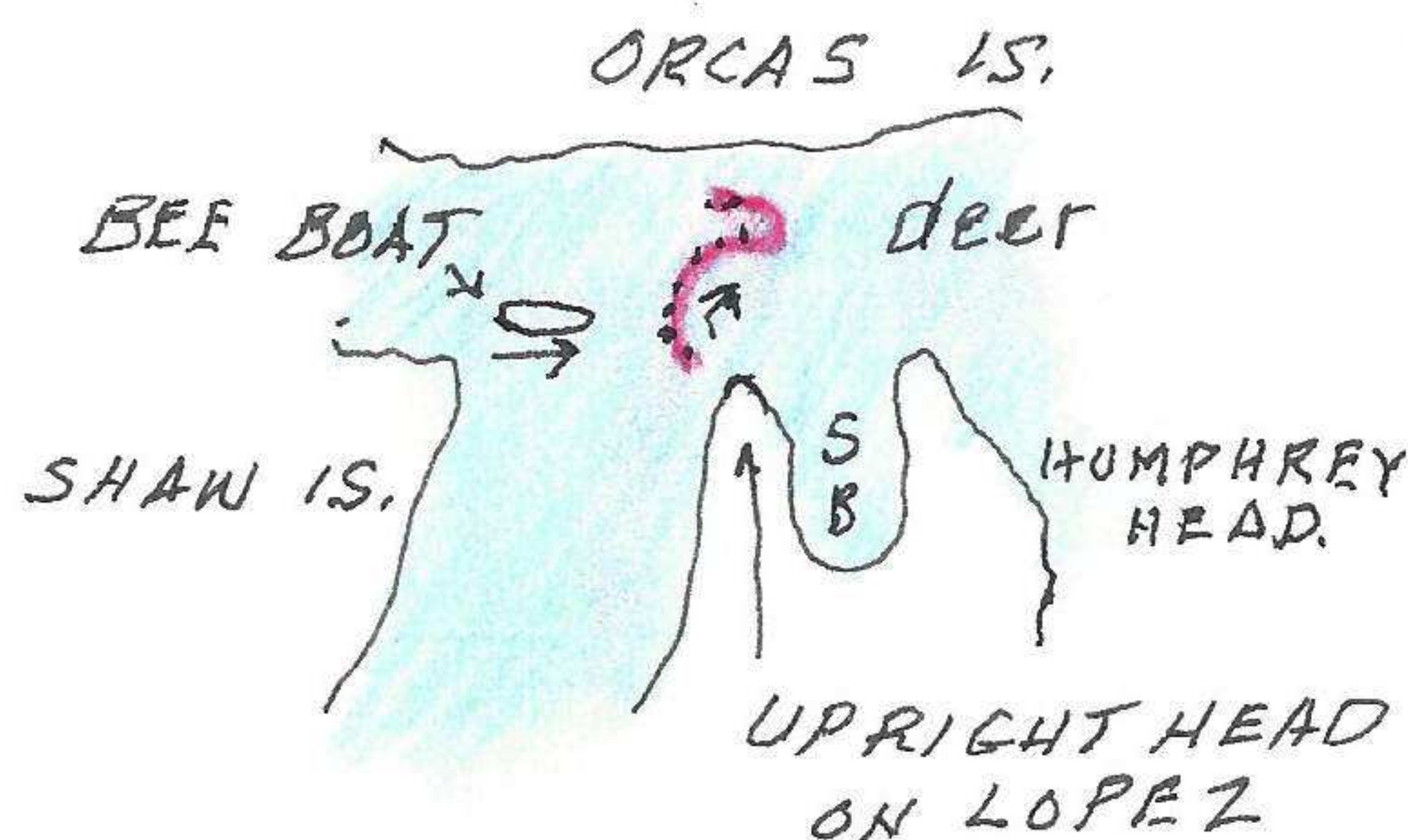
930713-34 S exposure of cliffs with madrona and Douglas fir trees.

930713-35 Closeup of bark of madrona tree.

930713-36 2 big Douglas fir below lower parking lot.

July 14, 1993

Took Bee Boat to Deer Harbor. 3.6 miles per hour at 11:00 P.M.
 On return to Lopez noted a female mule deer (ad) swimming
 N across Upright Channel toward Orcas Island. It swam
 with head and ears only above water and toward half way
 point course become deviated. It was displaced at Upright
 Head by a dog.



It may or may
 not have reached
 the orcas shore.

a bald eagle (ad.) capture prey or debris in middle Shoal Bay,
 watched 3 peregrine falcons for at least 15 minutes ^{6:30 P.M.} on ridge
 E of Shoal Bay above the marina. They circled, made long dives
 down ridge, one at a great blue heron in flight, chased each other with
 bodily contact (the falcons), all just above the tops of Douglas fir
 on the ridge. They used one dead Douglas fir for perching between
 flights. No calls offered.



tail in circling



tail in forward flight

Birds observed on trip to Deer Harbor today are:

marbled murrelets 2	new gull 8
rhinoceros auklet 11, 6, 6, 4, 2, 1, 2, 2.	peregrine falcon 3
pigeon guillemot 2, 2, 1, 1.	turkey vulture 2
double-crested cormorant 1, 1, 1.	
bald eagle 1	
glaucous-winged gull 3, 7.	

There were no minnows at marina (Shoal Bay) from 1' to at least 6'.

July 15, 1993

Observed a single peregrine falcon in same area as yesterday on ridge E of Shoal Bay marina. It circled and perched in dead tree and at one time made a long dive at a turkey vulture. The vulture reacted but did not leave area.

♂ mule deer 32" high at shoulders  antlers thin.

July 16, 1993

7:08 P.M. one peregrine falcon in area E Shoal Bay marina. It made long dive to great blue heron resting site in tops Douglas fir trees SE marina, and displaced 6 of 7 great blue herons. The falcon chase 2 of the great blue heron then returned to the single heron that did not leave resting place. It repeated took harassment of the falcon and did not leave. The peregrine falcon then made long angled dive to Humphrey Lagoon but did not contact any prey there. On return from marina to Bee House took horizontal trail, part of which passed base a trees where the single great blue heron was perched. It left with a squawk and immediately the peregrine falcon dove at it from the north, harassed it but did not make contact. On way home collected 2 ramie of mule deer, nos:

930716-1 adult mandible.

930716-2 fawn mandible

noticed that there are 10-15 times more trails along route and that some old logs across new and old trails are completely bisected, one 2' in diameter half dissected.

At Bee House fawn 22" high at shoulders.

On this date Bee Boat registered 3237.4 hrs.

9:41 P.M. First bat of evening (myotis), flew past Bee House 2 times and then disappeared.

July 18, 1993,

at 10:00 AM the following harbor seal noted in N Lopez Sound:

Les Reef Rocks #3-5,	31 harbor seal	181 glaucous-winged gulls,
" " " #9,	16 " "	" no gulls
" " " #10,	2 harbor seal	" "
" " " #11,	35 " "	" "

Flower Island no seal

Small Flower Island 11 " "

North Flower Island 16 " "

Total 112 harbor seal.

While observing thru telescope a boat displaced all 16 seal on N Flower Island. In 1 1/2 hrs. they had not returned.

Following rock levels at a -2' tide:

Les Reef Rock #7 approx 3" above water.

" " " #8 not showing.

" " " #10 approx 2" out of water

The asymmetrical antlered & mule deer (one tip divided ♀) still has winter pelage on sides of body and belly.

Rufus hummingbird in area.

July 20, 1993

To Anacortes, Chris & UW medical Center. At about middle Rosario Straits approx. 90 glaucous-winged gulls and 20 Herrmann gulls in fishing formation.

July 22, 1993

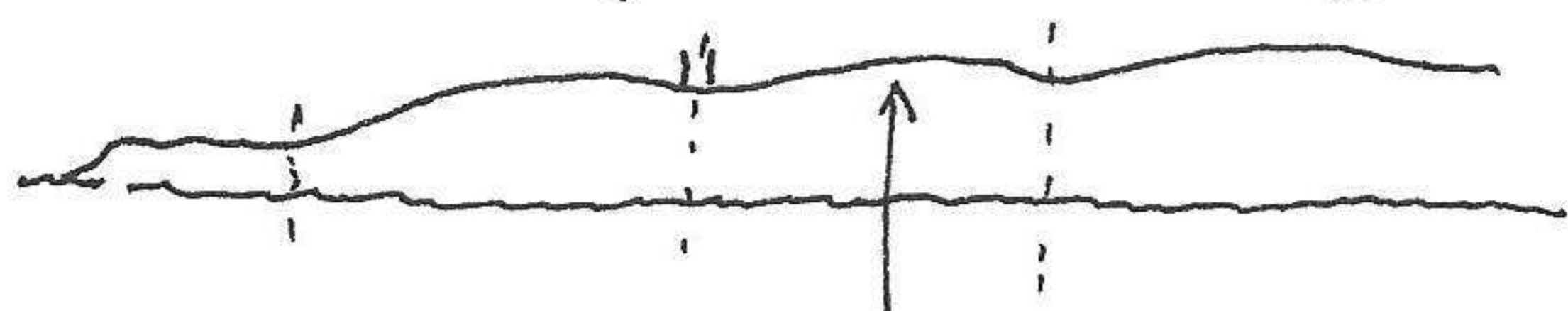
Returned to Lopez Island via ferry. Encountered enroute; 61 common murre, 6 Bonaparte gulls, 8 Herrmann gulls and 12 glaucous-winged gulls. At Lopez Island ferry terminal 28 glaucous-winged gulls on piling.

July 25, 1993

In A.M. a river otter swam N past Bee House.

to tall trees

July 26, 1993



sunrise at 5:58:50 AM,

Barn swallow only swallow at Lopez Island ferry terminal. 84 glaucous-winged gulls on piling. To Anacortes.

July 26, 1993

Return to Lopez Island arriving 8:08 P.M. Birds observed enroute via ferry:

12 pigeon guillemots

10 glaucous-winged gulls

21 California gulls.

9 Bonaparte gulls

4 glaucous-winged gulls with black primary (Chayer gull)

1 ring-billed gull.

11 Herrmann gulls

One ⁴ rhinoceros auklet captured 5 fish (approx 2" long) and held in bill as they fished.

July 28, 1993

Harbor seal remain on pullout rocks during rain. On the average more seal are displaced on Flower Rocks than on Leo Reef because of the near vicinity of Spencer Spit.

Adult bald eagle flew N past Bee House. These eagles use regular pathway past Bee House both as to height above water and distance from shore.

Harbor seal on pullouts in N Lopez Sound:

Leo Reef Rocks #3-5 16 harbor seal.

" " " # 9 7 " "

" " " # 10 8 " "

no gulls.

Little Flower Rock 4 " "

North Flower Rock 6 " "

total 41 harbor seal.

10:20 AM. Birds at Swift Bay Beach:

38 Calif gulls

11 glaucous-winged gulls

31 Bonaparte gulls.

At Bee House a ♀ mule deer scratched entire head on dead branches of a fir (Douglas) tree. It also ate the seeds of grasses. Horn of mule deer measured 24" high at shoulders.

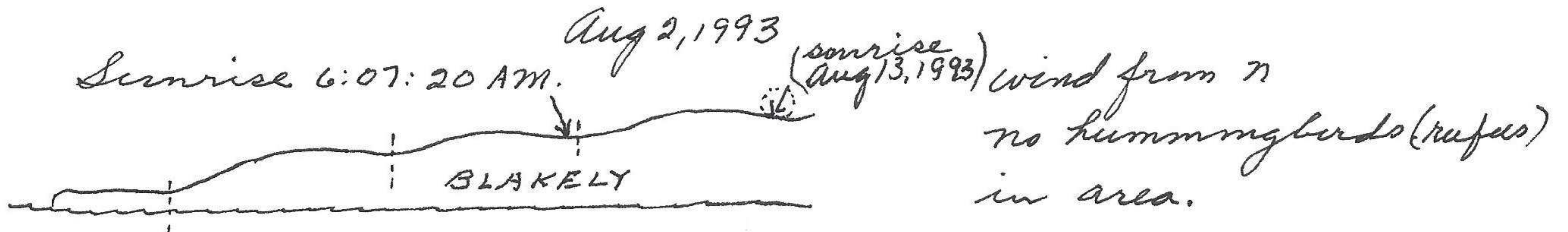
Aug 1, 1993

This A.M. at 4:50 a planet reflected from the still waters of north Lopez Sound. Usually there were 4 or 5 reflections of the planet in a close pod but occasionally there was only one perfect reflection. Yesterday was the first hot day of summer and anchor lights from boats at Spencer Spit trembled or wavered from

at 9:40 A.M. recorded the number of harbor seals & glaucous-winged gulls in area at low tide.

Leo Reef Rock	# 4-6	22 harbor seal,	35 glaucous-winged gulls
" " "	# 9	12 " "	0 " "
	# 11	14 " "	0 " "
Little Flower Rock		10 " "	0 " "
North Flower Rock		18 " "	0 " "
		total 76	35

Rufus hummingbird in area.



Subadult ♀, adult ♀ and ♂ mule deer in a 3 way licking behavior, all in area difficult for individual deer to reach. no rufus hummingbirds in area.

Aug. 5, 1993

Scrapes of food from table placed on ground in backyard Bee House. At 10:30 AM 2 American crows mildly interested in food. 12:00 P.M. crows started to eat food. 4:00 P.M. 3 more crows arrived. at 5:00 P.M. 12 crows in area.

myotis size bat active 9:26 P.M. Fecal droppings on porch below fracture in sealing.

Band-tailed pigeons ⁽²⁾ average 2 visits in last month.

Runt mule deer of last year now 25" high at shoulders. Small size puts this animal at a disadvantage in association with others of its species, no rufus hummingbirds in area.

Aug. 11, 1993

Smallest fawn 21" high at shoulders whereas rest of fawns average around 23".

Douglas fir cones lean away from prevailing S winds, even when wind is not blowing

Aug. 13, 1993

See Aug 2, 1993 for position of sunrise and time for this dates sunrise. Time base on time lower edge sun rests on ridge

Harbor seal in n Lopey Sound area:

Leo Reef Rocks 3, 4, 5	24
" " " # 10	10
n Flower Rock	30
mainland Flower Island	
on nw beach	<u>4</u>
	Total 70

Dead harbor seal washed on beach of Spring Cove. It measured 33 total length (body & hind flippers), body and tail 28" tail 4 1/2". A turkey vulture fed on this dead seal to 8:15 P.M. and then an adult bald eagle took over for at least 45".

Aug 14, 1993

Seal and gull census at 8:30 A.M.

Leo Reef Rocks 3-6	31 harbor seal,	68 glaucous-winged gulls,
" " " # 9	12 " "	2 " " "
" " " # 10	2 " "	0 " " "
" " " # 11	26 " "	" " "
Flower Island.	<u>0</u>	<u>32</u> " " "
	TOTAL <u>71</u>	<u>102</u>

Fishing boat sank E Flower Island approx 80' E Big Flower Rock. The operation both day & night (diesel oil) influenced approx 320 glaucous-winged gulls and dozen of harbor seal that used the Flower Island outliers.

2 pronged ♂ mule deer has antlers 1 1/2" diameter at base



Harbor seal and glaucous-winged gulls on pullout rocks in n Lopey Sound:

Flower Island		18 glaucous-winged gulls
n. Flower Rock	6 harbor seal	0 " " "
s. Flower Rock	4 " "	0 " " "
Leo Reef Rocks # 3-6	25 " "	70 " and 2 double-crested cormorant
Leo Reef Rocks # 9	12	
" " " # 10	3	
" " " # 11	<u>13</u>	
	Total 63	

Of the harbor seal 47 of them light colored.

The rufous hummingbird has not been observed in area so last day at Bee House was Aug. 1, 1993.

Aug 16, 1993

Harbor seal in area (N Lopez Sound) at 9:00 A.M.

Leo Reef Rocks	3-6	12	harbor seal	26	glaucous-winged gulls and 2 double crested cormorants
" " "	# 9	12	" "	"	
" " "	# 10	3	" "	"	
" " "	# 11	18	" "	"	0
Flower ^{Island.} mainland		6	" "	"	7 glaucous-winged gulls 1 on nest
N Flower Rock		21	" "	"	0
Big Flower Rock		0	" "	"	0
Little Flower Rock		6	" "	"	0
		<u>78</u>	Total		32 glaucous-winged gulls,

bottom sun at 6:33:42 AM Aug. 19, 1993

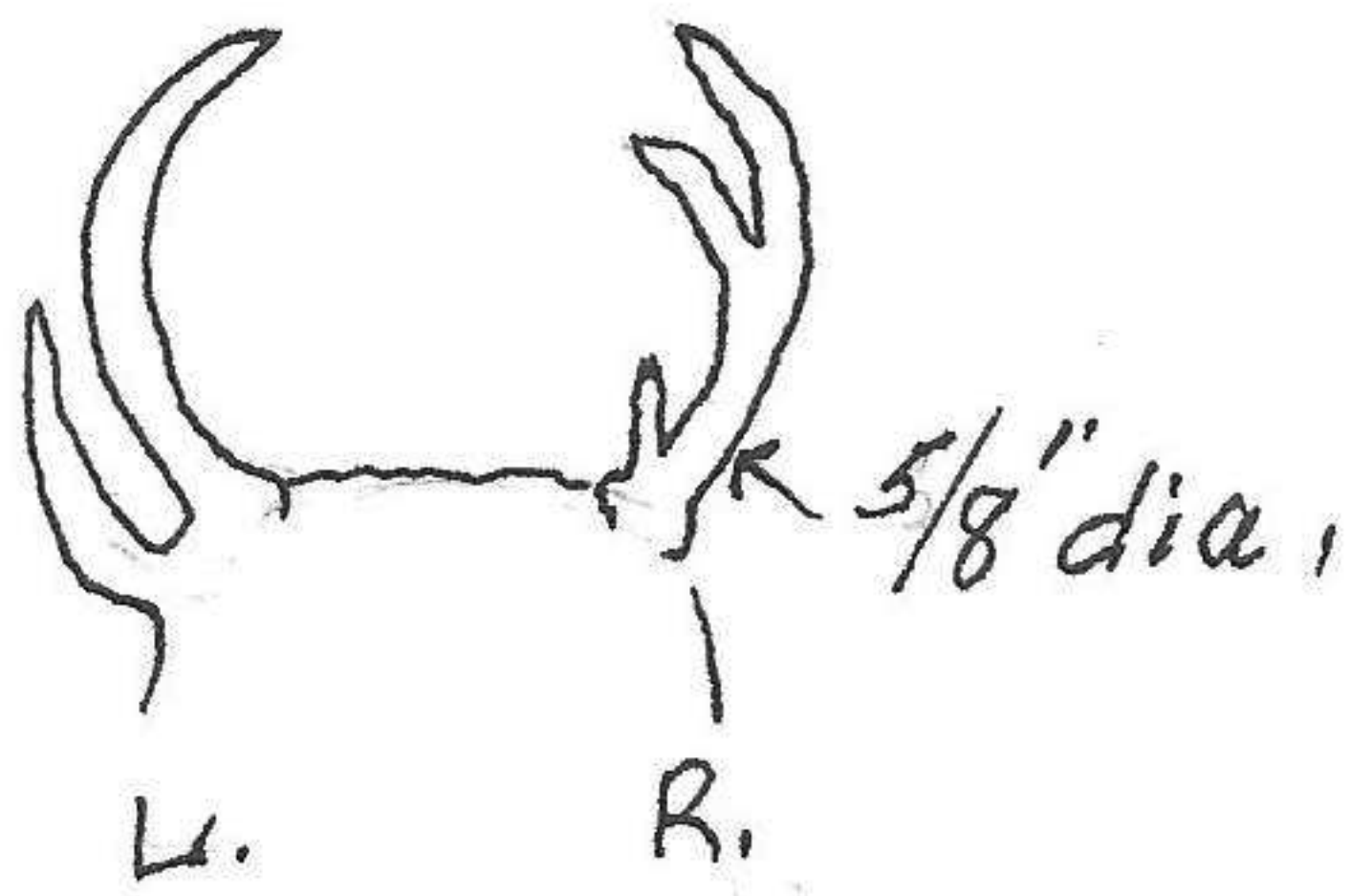


BLAKELY

3:30 P.M. following birds observed in N Lopez Sound between Leo Reef and Bee House:

- 38 mew gulls
- 2 glaucous-winged gulls
- 1 Bonaparte gull

2 boats disperse all seals of pullouts in N Lopez Sound.
no rufous hummingbirds since last recorded.



This ♂ mule deer attempted and succeeded in opening the deer food can (held approx 200 lbs cracked corn) by prying lid off with antlers after first clawing rock from top of can and by bunting and hitting can with antlers. Even after partly removing

lid it was unable to get to corn because of heavy antlers. ♀ mule deer had no problem reaching food with head & neck in opening.

Aug 20, 1993

Left Lopez Island via ferry for Utah. Stopped first overnight at Chris' home on Lost Lake, Snowbush Co.

Aug 21, 1993

Left Chris' 8:40 A.M. at mileage 14713.4

1:20 P.M. at 14880.3 gas at Sunnyside 13.9 gal.

6:00 P.M. Arrive Baker 15080.5 having travelled 367 miles today

Aug. 22, 1993

Left Baker, Oregon at 6:30 A.M.

MP 266 1 pronghorn. Utah border at MP 276. 13.4 gal gas at Snowville. Brewer blackbird, sparrow hawk, American crow. Arrive Provo, Utah at 15569. 3 or 839 miles today.

Aug 23, 1993

In Heber Valley, Wasatch Co., at Provo River bridge entering Bear Creek Reservoir observed 2 sandhill cranes.

From marip home (Cndomaneum) below Little Rock Canyon, Don observed half dozen black-billed magpies on his lawn this evening. I observed 73 just before twilight as they moved up the S side of Little Rock Canyon to a position near top of ridge. They fed along the way and then moved on a 100' or so.

Aug 24-29, 1993

Stayed at marip in Provo.

Aug. 28, 1993

This evening observed 32 white-faced glossy ibis in field near W center and airport road,

Aug 29, 1993

Left Provo 7:40 A.M. at mileage 15602.

Brigham City, 15698. Arrived Sid Boyles in Hyde Park n of Logan 10:10 A.M. Sid shows great improvement since heart surgery and has run camper that he moves around the local area.

W of Logan on highway to Interstate 15 in marsh area observed ^{white-faced} glossy ibis, white pelican, ducks, coots, gulls.

At Pine Valley ferruginous hawk, ^{owl} mourning, marsh hawk & redtails.

Bliss 15960.0 15 gal gas

Arrived mt. Home 16008.

Aug. 30, 1993

Left mt. Home. Getting 20 miles per gallon.

John Day, 11.7 gal gas.

Arrived Rufus.

Aug. 31, 1993

Left 7:45 A.M. at mileage 16409. 401 miles today.

Sept 1, 1993

Left Rufus 8:12 A.M. at mileage 16409. Later gas 18.0 gal. Continued down Columbia Gorge and thence n to Chris' at Lost Lake, at 16690.0 to Island Hospital Sept 1 and 2., then to Chris again.

Sept. 3, 1993

Left Chris' for Lopez Island. Summation of trip from Pravo - first black-billed magpie at Weiser, Idaho, mourning doves 1 every 8 miles of upper plateau wheat fields. no golden eagles. 2 prong-horns (Oregon). Extensive clearing of land for wheat. more cattle feed lots than previous years. Extensive watering of crops across Oregon. Small birds rare. Hawk sp.?. Redtail hawks approx 1 every 18 miles. 2 kestrels. no coyote road kills.

Stemized birds observed on return trip from Pravo:

turkey vulture 9	mew gull 4
northern harrier 1	Franklin gull 8
sandhill cranes 2	belted kingfisher 4
white-faced glossy ibis 42	water ouzel 1
barn swallows 13	white pelican 1
northern flicker (red-shafted)	coot 6
black-billed magpie 108	Farner tern 9
mallard 6	meadowlark 3
Eng sparrow 2	red-winged blackbird 4
American robin 5	Brewer's blackbird 38
American crow 28	cowbird, brown headed 18
Common raven 12	starling 260
Calif. gull 48	great blue heron 3
snowy egret 1	Cooper hawk 1
Western sandpiper 47	white-throated swift 1
Broad-tailed hummingbird 1	Stellar's jay 3
winter wren 1	gold finch 13

Sept. 4, 1993


Following birds in n Lopez Sound between Leo Reef and Bee House;
 at 1:38 P.M. 93 glaucous-winged gulls
 18 Heermann gulls
 21 mew gulls
 174 common mergansers
 14 marbled murrelet

In addition there were 74 glaucous-winged gulls on Leo Reef as well as 33 harbor seal.

Sept. 5, 1993

madrona berries or fruit turning red.

Osprey flew over Humphrey Lagoon and thence S over Spencer Spit at 1:32 P.M.

♂ mule deer fawn of the year, 24" high at shoulders with spots on 1/4 posterior body. Antlers knobs . Upper back and neck in summer? (could be winter) pelage. The ♀ mother allowed the fawn to continually nurse for 2 minutes.


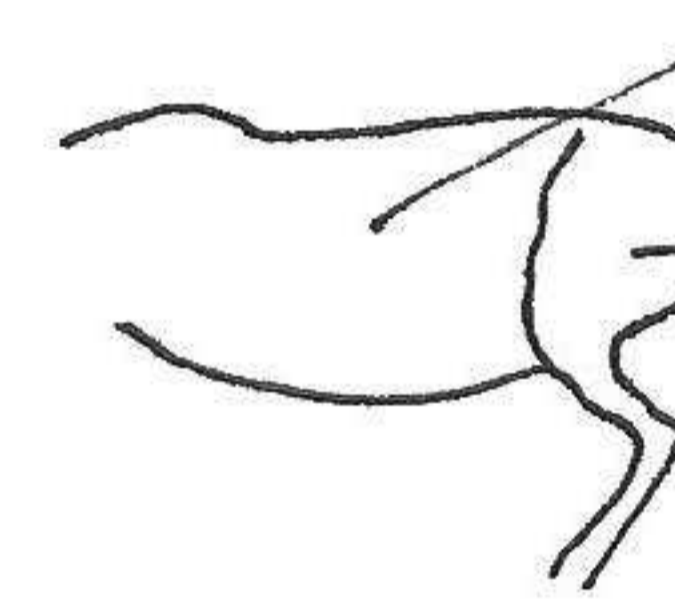
Another fawn with 3/4 spots, mainly posterior. ♂ mule deer with right antler doubled } has lost all velvet,

Sept. 6, 1993


Labor Day. 30 boat in view at one in Lopez Sound, 95% from San Juans to mainland.

Sept. 7, 1993

Sunrise 7:00:17 A.M. Sun left ridge 7:04:50


♂ fawn (knobs) from fawn pelage to incomplete summer to fall pelage.  summer fawn to  winter fawn pelage.

Sept. 9, 1993

 sunrise 7:04:22
base of sun leaves ridge (tree tops) 7:07:56 A.M.

Sept. 13, 1993

half way A-B.

 sunrise 7:06:55
base sun leaves top trees 7:10:39 AM

Last night between midnight and 1:30 AM, witness northern lights from Bee House. Clear sky. Photo 930913-1 shows general form of lights.

↑
NE



Slanted and Crooked streaks and light cloudlike masses faded in and out in intensity. The most dynamic sight was waves of pulsating light racing ^{entire} across the overhead sky.

9:30 A.M. photo 930913-5 of shoreline and madrona trees on Bee Estate.

10:00 A.M. 45 harbor seals on Leo Reef, and 10 glaucous-winged gulls. On Leo Reef Rock # 11 10 harbor seals.

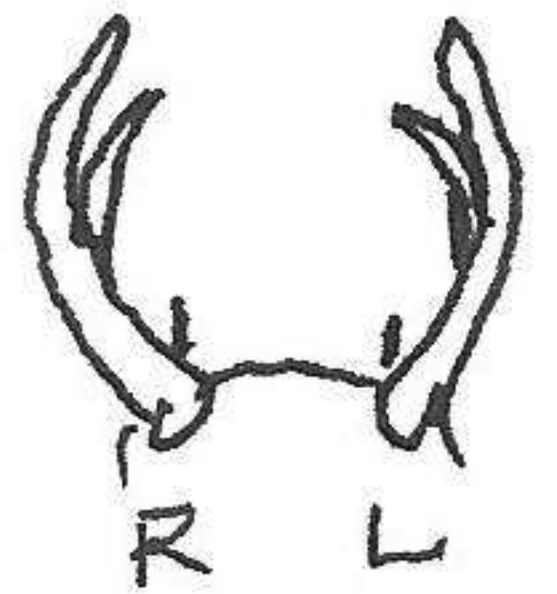
100 common mergansers approx 100' N of N Flower Rock, On N Flower Rock 41 harbor seal. Little Flower Rock, 6 harbor seal. On Flower Island 6 glaucous-winged gulls.

Sept. 14, 1993

Rain today.
from left hand side



Large ♂ mule deer with double antler at feeder at Bee House, also large buck mule deer with symmetrical antlers



To Anacortes via ferry. Fall colors beginning in deciduous trees S side Thatcher Pass.

Sept 15, 1993

Vine maple on highway 9, Snohomish Co., just starting but not full red.

3:35 P.M. Anacortes ferry terminal, 6 double-crested cormorants but no glaucous-winged gulls on dolphins at terminal. Returned Lopez Island.

Sept. 16, 1993

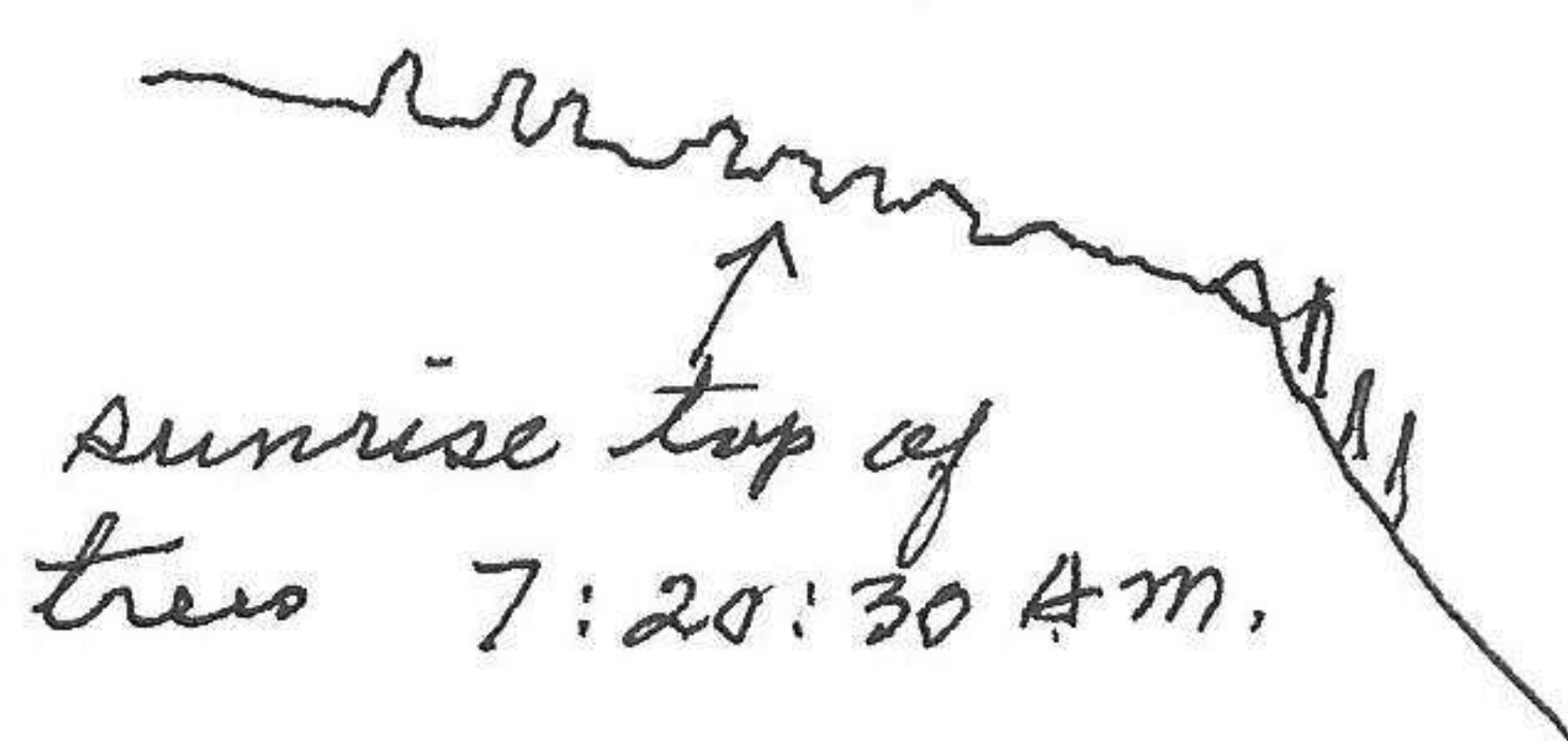
6:37 A.M. myotis size bat entered crack in eaves in Bee House.

Harbor seal on: Leo Reef Rocks #2, #3, #4.

9:30 A.M. bottom netter fishing boat stops boat, raises net and then immediately lowers it into the water. Some procedure 2 or 3 times before bring net onto boat.

Photo 930916-7 from Bee House showing wind blown trees and white sail boat, 4:45 P.M.

BALD BLUFF



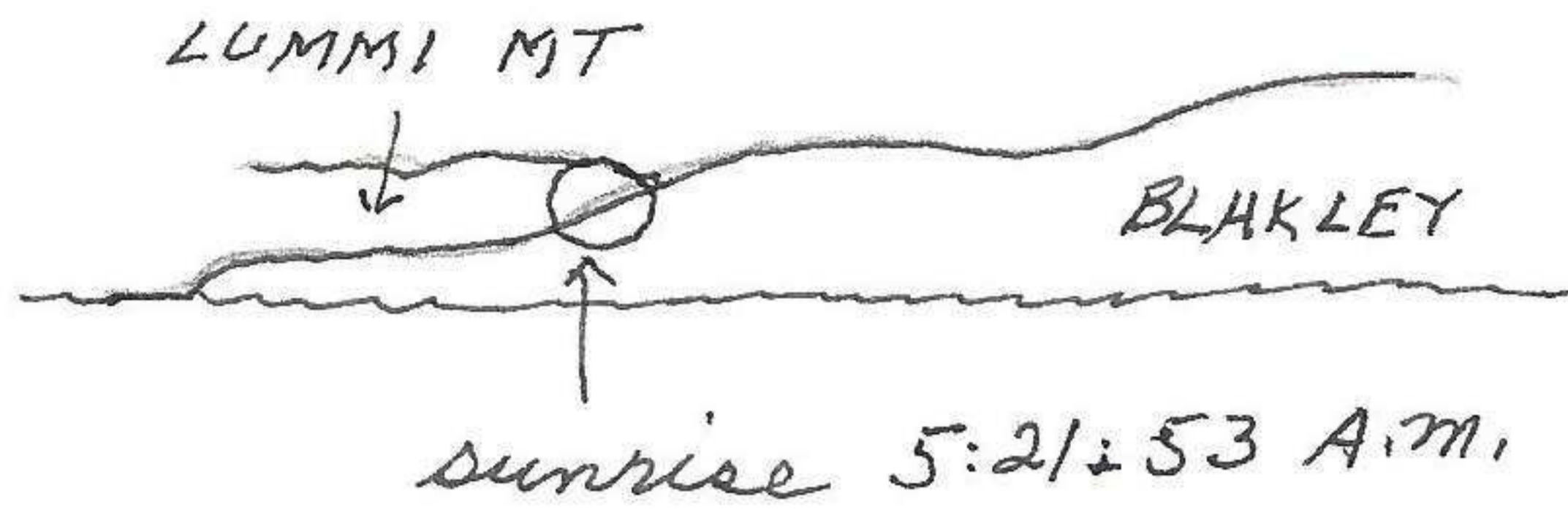
Sept. 22, 1993

Photo 930922-8 of red madrona berries from S window bedroom Bee House.

Photo 930922-9 ibid.

June 26, 1993.

Violet-green swallows active at 5:00 A.M.



Recorded activity of violet-green swallows from 5:00:01 AM to 7:40:03, A.M. Sky clear in box

- | | | | |
|---------|---|---------|--|
| 5:00:01 | flew by | 5:46:54 | 2 swallows still on tree preening. |
| 5:02:26 | flew by | 5:47:29 | one bird entered nesting box, for 10 sec, second bird rested on to house (Bee) roof. |
| 5:04:27 | " " | 5:49:35 | bird entered nesting box for 10 sec |
| 5:05:20 | into nest for 20 sec | 5:50:33 | " " " " 4 |
| 5:07:55 | " " " 23 sec | 5:51:17 | second crow (American) arrived |
| 5:10:29 | " " " 12 sec | | Fog spilling in over Accatur and Chadwick Hill area. |
| 5:15:14 | " " " 6 sec | 5:54:29 | entered nest for 13 sec. |
| 5:16:32 | " " " 6 " | 5:56:11 | " " " 6 " |
| 5:16:59 | " " " 8 sec. | 5:58:11 | " " " 8 " |
| 5:19:49 | " " " 7 sec | 5:59:54 | 3rd crow arrived. |
| 5:20:43 | " " " 9 sec. | 6:00:24 | entered nest for 7 sec. |
| 5:22:05 | " " " 10 sec. | 6:03:36 | " " " 9 sec |
| 5:21:53 | Sunrise. | 6:07:54 | " " " 6 " |
| 5:24:27 | into nest for 9 sec. | 6:13:22 | " " " 7 " |
| 5:27:54 | " " " 7 sec. | 6:16:59 | " " " 6 " |
| 5:29:38 | first Crow arrived | 6:21:00 | " " " 6 " |
| 5:30:35 | mate arrived but did not enter box. | 6:24:29 | " " " 6 " |
| 5:32:23 | now 3 swallows in area | | Fog building up on Lopez Sound. |
| 5:33:30 | bold eagle flew S past Bee House in same hunting area used by swallows. | 6:37:45 | no swallows flying in area. |
| 5:36:20 | into nest for 12 sec. | 6:39:36 | entered nest for 5 sec. |
| 5:36:35 | second swallow (mate?) entered box (nest) for 12 sec. | 6:48:05 | " " " 6 " |
| 5:37:36 | both swallows on roof of house for 11 sec. | 6:52:39 | " " " 7 " |
| 5:39:28 | entered nest for 11 sec. | | Fog now to Bee House. |
| 5:40:36 | " " " 9 sec. | 6:58:36 | entered nest for 6 sec. |
| 5:43:50 | " " " 10 sec. | 7:05:31 | " " " 7 sec |
| 5:45:02 | both swallows in adjoining Douglas fir tree, preening 12 sec. | 7:10:38 | " " " 8 |
| 5:45:24 | birds on limb as above and preening, | 7:12:15 | " " " 7 |
| | | 7:16:43 | " " " 5 |
| | | 7:23:04 | " " " 7 |

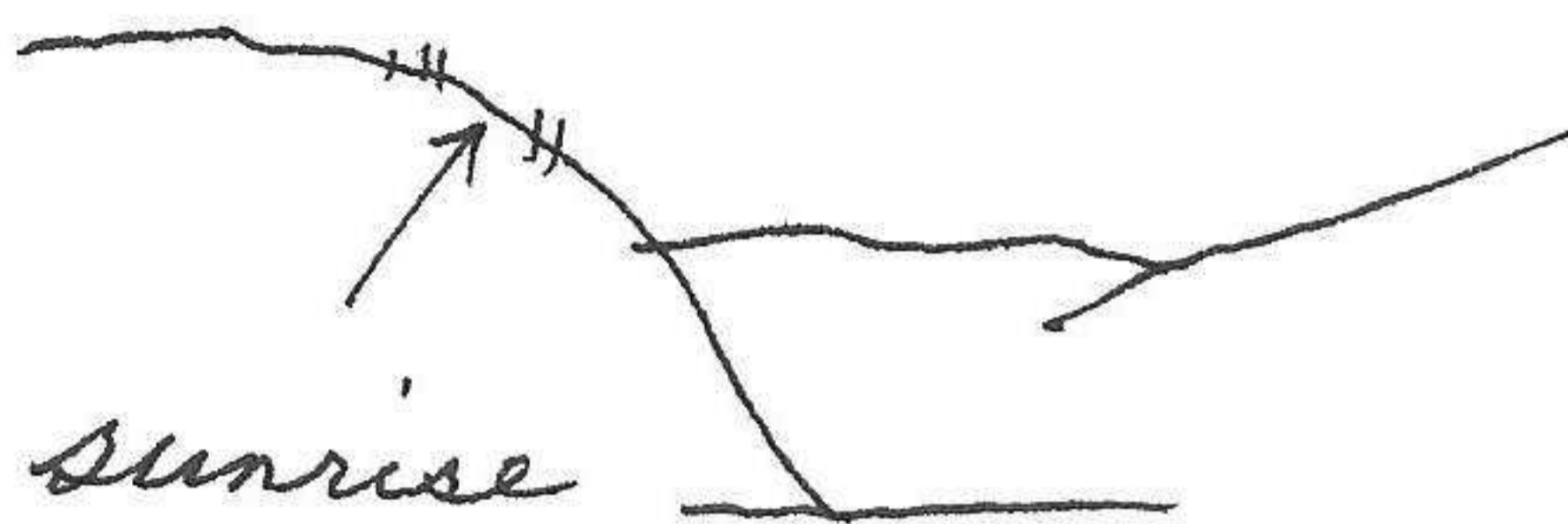
The dwarf mule deer measured 28" high at shoulders.

Sept. 26, 1993 (Cont.)

8:02 A.M. Photo 9309261 of red madrona berries from Bee House.

Sept. 27, 1993

BALD BLUFF



sunrise

7:21:00 AM

Distance from Hummel Lake to Bee House via Port Stanley Road is 4 mi.

Sept. 28, 1993

BALD BLUFF



sunrise at notch 7:22:00 A.M. Color of sky in AM before sunrise is russet about 6:30 A.M. then to pink, both shortlived of approx 10" each (min). Last night both stars and moon single reflection in sound S + E of Bee House.

Sept. 29, 1993.

sunrise 7:22:15 AM at notch of Bald Bluff and ridge beyond -



At 12:30 P.M. five American robins feeding of red madrona berries front Bee House. They pulled vigorously for each berry taken.

Robins have been feeding daily on these berries for the last 2 weeks.

Sept. 30, 1993

7:23 sunrise. 5 American robins arrived at madrona tree in front Bee House 3 min. before sunrise. They had difficulty extracting the berries from their attachment. There is some sign of thinning of berries.

11:50 A.M. To Anacortes via ferry. Enroute: 7 willow Island, 80 glaucous-winged gulls generally distributed, approx 25 common murrelets, 6 rhinoceros auklets, and others. Good currents in Rosario Straits, Fog rest of way.

Continued to Chris' on Last Lake, Snohomish Co.

Oct 1, 1993

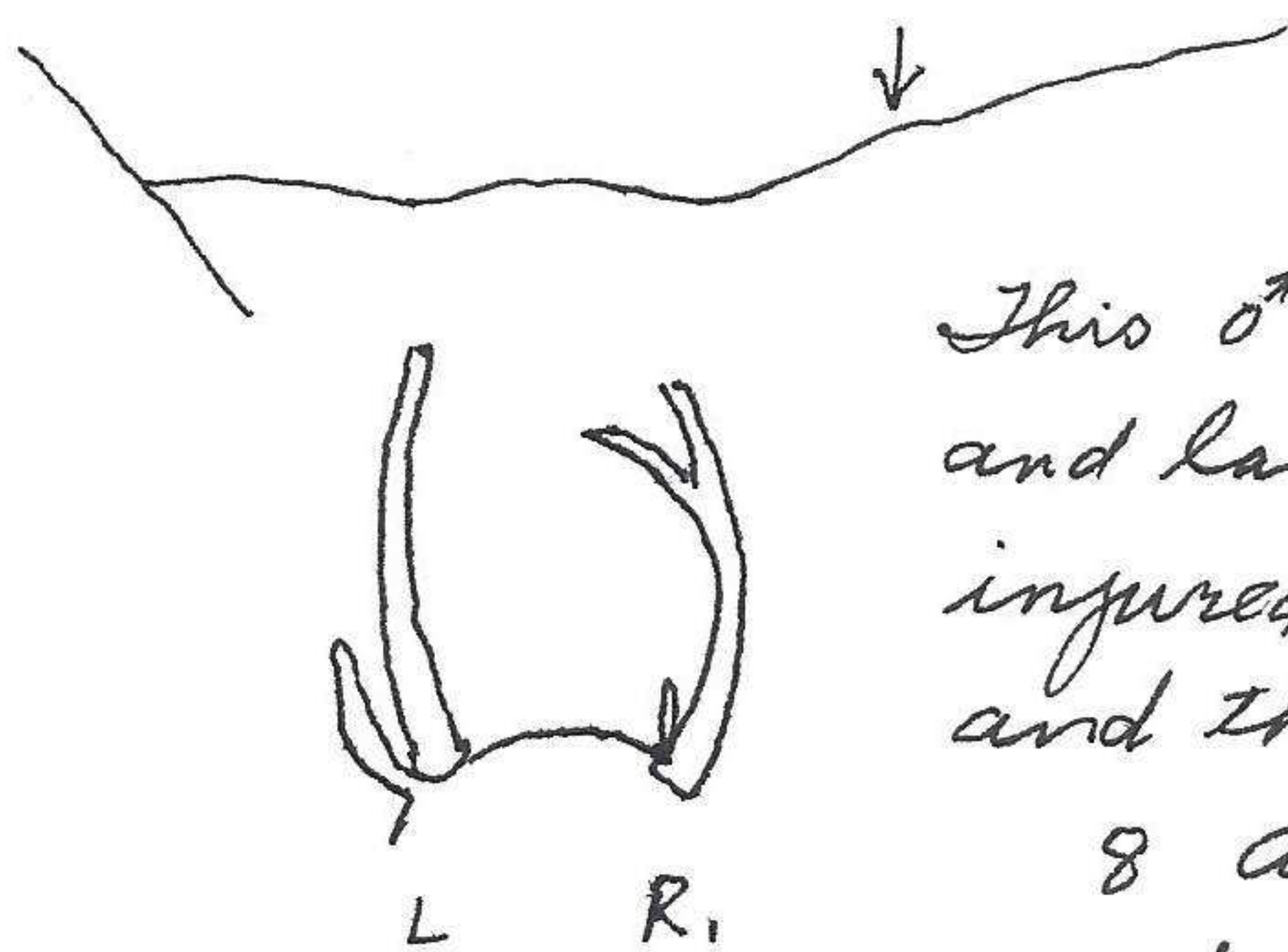
Returned to Lopez Island.

Oct. 6, 1993

6:55 A.M. bat returned to Bee House after night forage. It tried 3 times to light on entrance of resting area on edge of roof. Sky 90% clouds, and tinted with color.

Oct. 8, 1993

Sunrise 7:35 A.M.



11:20 A.M. Photos 931008-16 and 931008-17 of jade bear and agate pebbles.

This ♂ mule deer jumped off porch of Bee House and landed approx 9' below. It was definitely injured but walk up slope to Lower Parking Area and thence W to main road and beyond.

8 American Crows feeding on berries of madrona in front Bee House.

Oct 9, 1993

Buck mule deer showing first signs of interest in ♀ deer.

Oct. 11, 1993

Sunrise 7:43:00 and half way up first knoll S Thatcher Bay. young of year dwarf mule deer 17" high at shoulders. It is the last of the deer to change into winter pelage.

Observed one ad. ♀ mule deer chase another ad. ♀ mule deer for 150' at full speed which is unusual in the behaviorism of local deer.

First 2 pigeon guillemot of the winter season, 1 common loon and first one beginning winter season, 19 Bonaparte gulls also made their appearance today.

a new gull swam thru a group of candlefish, some within 1 foot away but the gull did not attempt to capture them.

An immature bald eagle flew S past Bee House and was the first immature of the season.

20% of berries of madrona have been harvested (in front Bee House)

Oct 14, 1993

To Bellingham via ferry to Anacortes. Left 8:10 A.M. and enroute observed 6 cormorants middle Rosario Straits

also 4 rhinoceros and 2 double crested cormorants. Between middle Rosario Straits to beacon SW Cypress Island, 2 common murre, 1 rhinoceros auklet, 5 cormorant (sp.?), 1 glaucous-winged gull, 2 common murre, 1 pelagic cormorant. Waters calm and fog.

at 200' S Padella State Park: approx. 2000 american widgeons, 6 mallards, 9 pintails, 12 gadwalls. From here to chuckanut drive, thence Bellingham. Stayed at Travellers Inn.

Oct 15, 1993

Returned to Lopez Island. at Rosario Straits groups of 4, 2, 3, 2, 24 common murre. Only birds observed on return ferry trip.

at Bee House caught Pacific Staghorn Sculpin, Leptocottus armatus, 215 standard length.

Large ♂ mule deer measured 52" high at shoulders (Bee House).

Oct. 17, 1993

Left Lopez Island 10:06 via ferry to Anacortes, thence Chuckanut Drive to restaurant called Chuckanut Manor. at Lopez Island ferry terminal on piling are 13 ad. and 9 subadults of the glaucous-winged gull. at Rosario Straits approx: 65 glaucous-winged gulls, 80 mew gulls, 40 common mergansers, 3 rhinoceros auklets in one group. Other groups of approx same ^{or at least some represented} composition are: 18, 6, 6, 9, 2, 10, 8, 5, 11, 15 and generally distributed. At Anacortes ferry terminal on piling are: 18 pelagic and 6 double-crested cormorants.

At Chuckanut Manor out 3/10 mi from shore, a raft of approx 1500 birds including mallards, gadwalls, northern pintails, american widgeon, brant and others. Beyond this raft of birds and beyond and occupying most of the bay were 7-9 rafts of birds totalling approx 50,000 birds.

Across flats from Chuckanut to highway 20. were 3 redtail hawks.

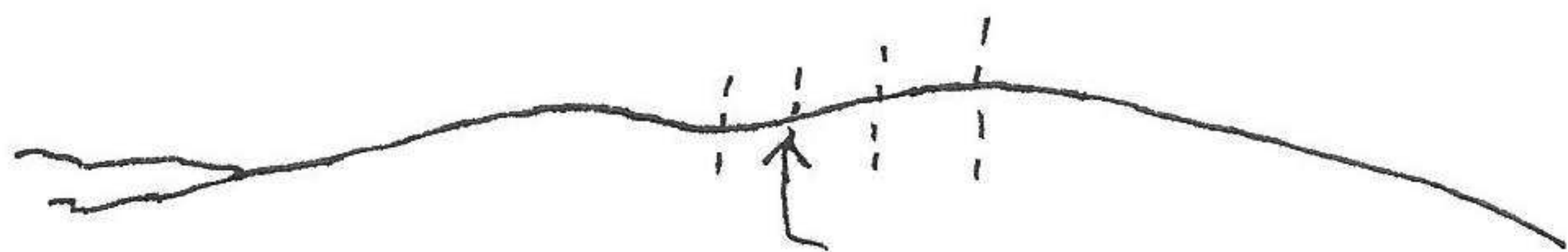
Returned to Anacortes ferry terminal, while waiting for ferry 281 american crows passed over head at terminal and flew to Cypress Island. Left Anacortes 5:40 p.m., 8 double-crested cormorant & 2 glaucous-winged gulls on piling. In Rosario Straits, 1 rhinoceros auklet, group of 3, 6, 32, 4 common murre, 4 double-crested cormorant, 2 marbled murrelets. In Thatcher Pass, 2 glaucous-winged gulls crossed Lopez Island.

Oct. 20, 1993

James Robert Bee left with Tom & Georgia Montgomery for visiting friends on Henry Island, NW San Juan Island via the Bee, boat.

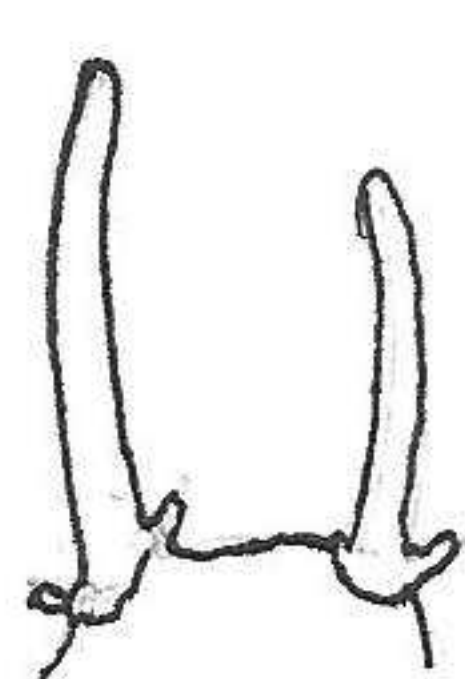
Oct 21, 1993

Sunrise 8:00:46 between N & S Thatcher Peaks



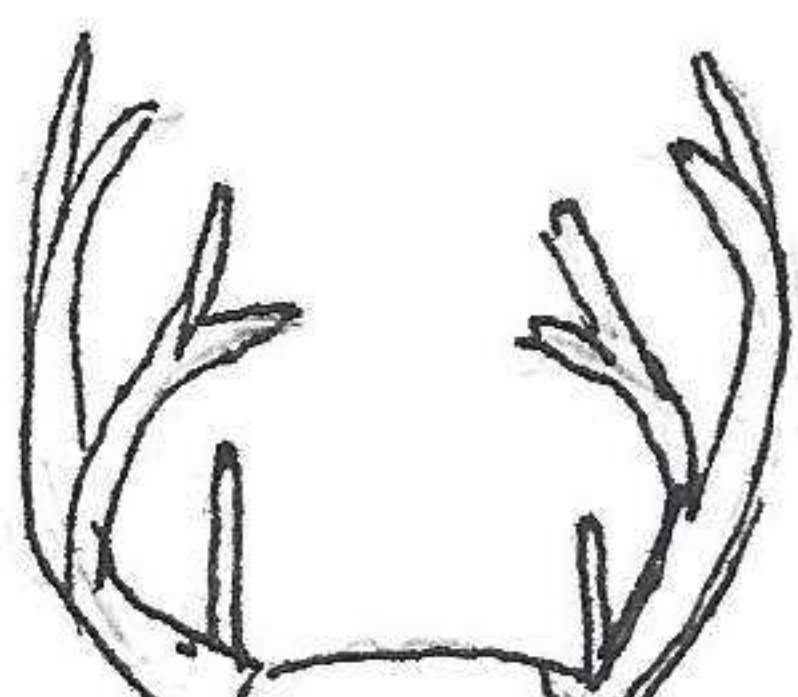
Oct. 21, 1993

antlers of several ♂ mule deer at feeding station on Bee Estate.



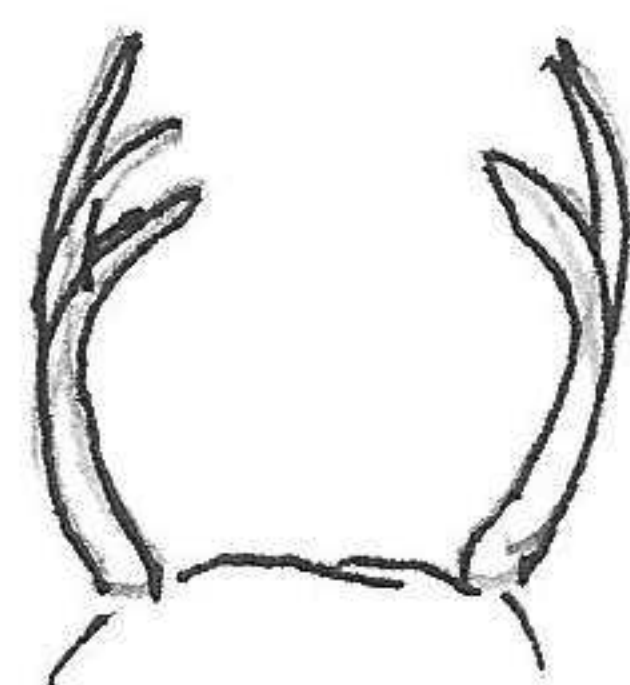
R L

These are
always animal
right or left.

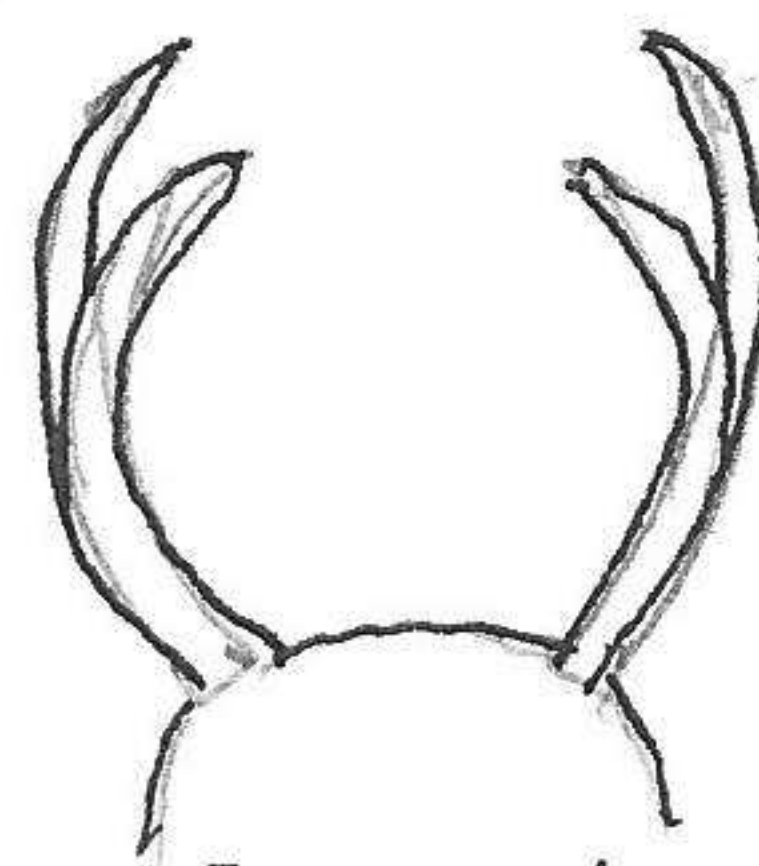


R L

above ♂
35" high at
shoulders.

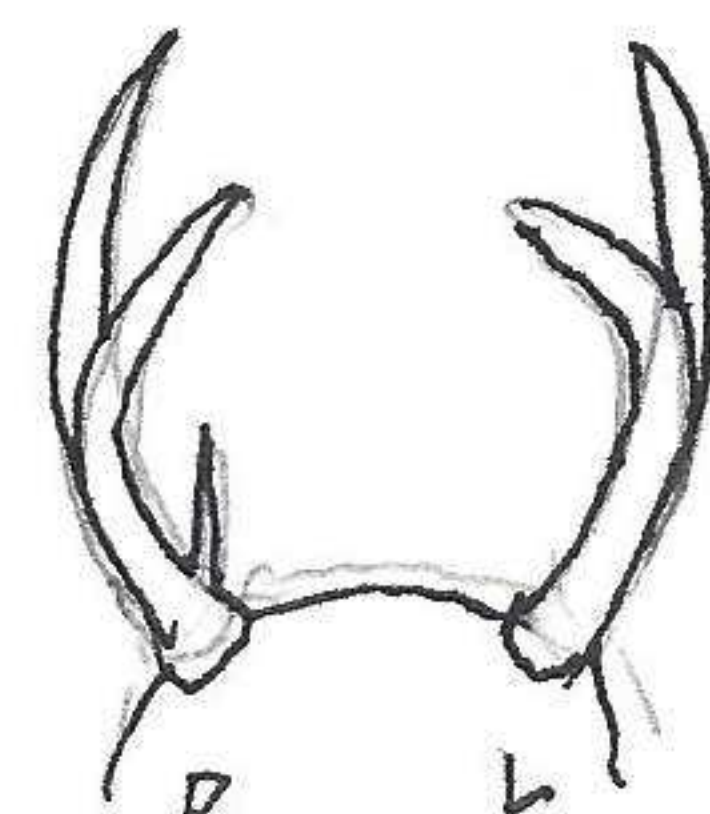


R L



R L

above ♂
33" high
at shoulder



R L

a second one like
above but heavier
tines & no eye
tines and measured
33" high at shoulder

Large ♀ dominant over first year young (her young) and over second year young (her offspring). The second year young was interested in another ♀. Fourth and 5th year young are more aggressive toward their mother than 1, 2, 3 year mule deer.

A young male of the year (antler buds) ran to adult female and without usual odor recognition nursed for 1 minute, continuously.

On the hillside on the NW side of Bee House is a steep, rocky cliff, impassible above but accessible at base. The irregularity at base of cliffs is traversed by a trail carved from basal boulders of the cliff. In no case is there a flat section, either upgrade or down grade. Even the talus is sloped. A three year old male deer pursued a ♀ mule deer along this course. It used its antlers to place the female in mounting position. In the entire course the ♂ chose not to mount the deer because of the non-flat nature of the trail. However a 4-5 year old male attempted in all degree of slope and without hesitency. On each attempt to mount the penis of the ♂ became fully extended. When standing near the ♀ off trail the ♂ intensely stared at the ♀ or in some other gaze elsewhere, then all of a sudden the ♂ dropped head down

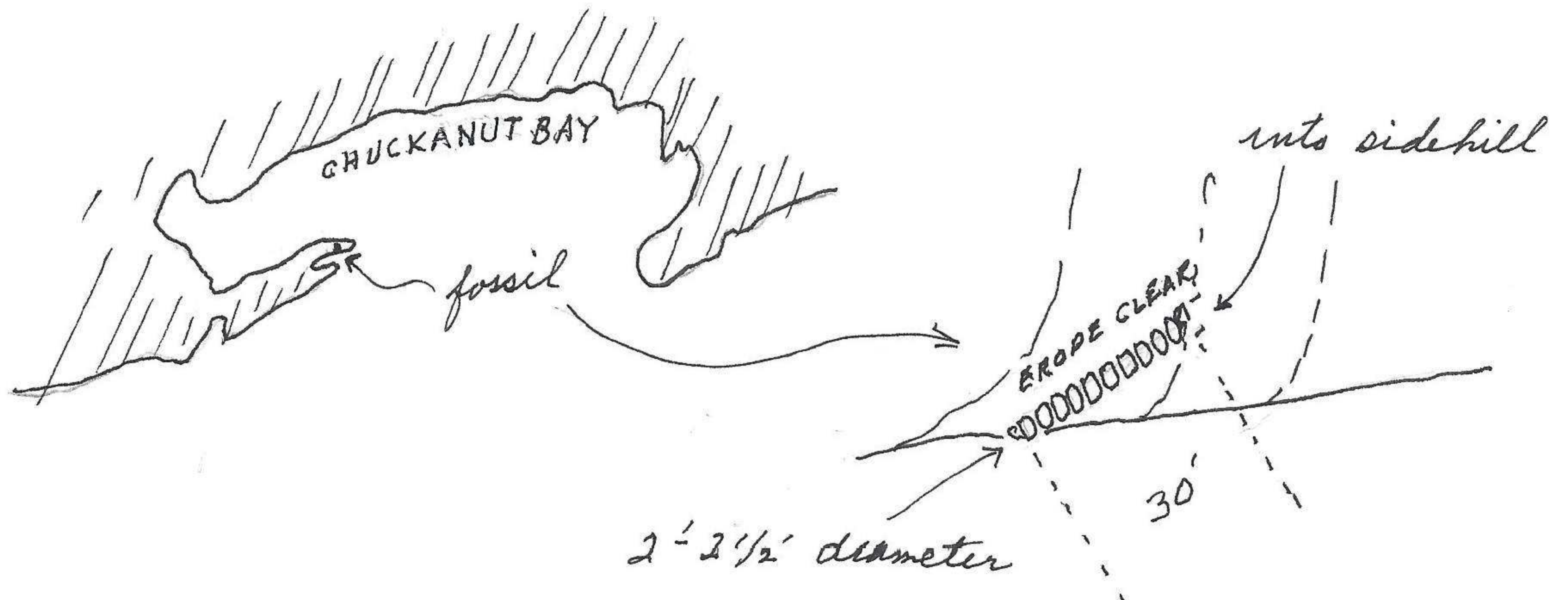
and forward and charged female for 5 or 6 feet. While standing near the ♂ also stamped alternately the right & left feet. Each stamp caused the penis to drop $\frac{1}{2}$ " to 1" then gradually recede. Sometimes the ♂ would chase ♀ at full speed but most of the time trailed at same speed as ♀.

A young ♂ patronized ♀ and then instead licked hair on back and face and neck.

Because most of these deer are humanized and fed, males pursuing females will frequently pass within 2' of a person but in no case have I observed aggressive behavior toward the person.

Oct 22, 1993

Alan (Skip) Peralta of Lopez Island reports a fossillike form in Chuckanut Bay. Evidence was viewed at some distance thru binoculars.



Oct 22, 1993 (Cont)

5 ♀ and 4 ♂ hooded mergansers in Humphrey Lagoon. In summer the lagoon is used by glaucous-winged gulls and american crows.

Since the remodeling of back porch, the large flat feeder has been removed and feeding is by regular cylinder. Daily sightings are: 2-3 purple finch on every other day, 1-3 dark-eyed juncos daily, 1 rufous-sided towhee daily. Crows in numbers has stopped since large feed dismantled. Bald eagle sightings increased to 1-2 daily.

The last 3 days has been the height of insustuous activity of mule deer.

Oct 26, 1993

sunrise 8:08:30 A.M.



Oct 26, 1993 (cont)

Photo 931026-18 of colored presunrise clouds with Leo Reef in foreground. From Bee House.

Oct. 27, 1993

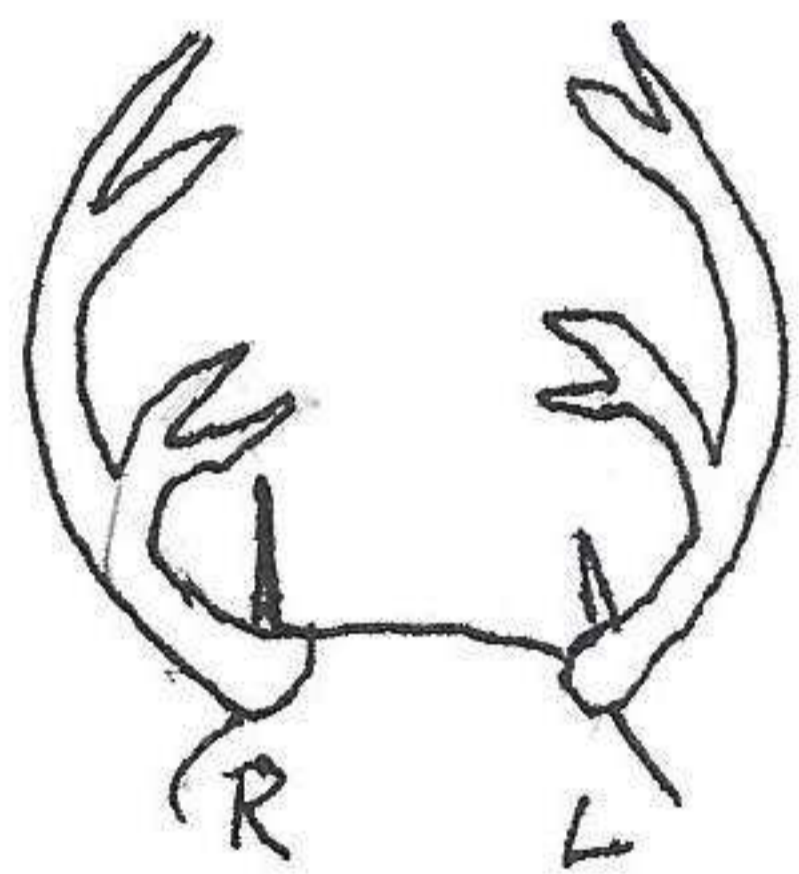
a great Blue heron fished in a 2 square yard incoring tide in Spring Cove from 10:10 AM to at least 2:00 P.M.,
 ♀ mule deer measured 28 1/2" at shoulders.

a crab boat 24258 Wave Ryder from Anacortes trap in N Lopez Sound E of Bee House but heard boat traffic lane. This boat kept 1 legal crab and 5 small crabs. Small ones returned to water, but gulls got most of them.

4	"	"	"	6	"	"	"
6	"	"	"	5	"	"	"
1	"	"	"	7	"	"	"

Another crab boat from Anacortes kept 3 and returned 1

"	3	"	"	3
"	1	"	"	3.



Oct 28, 1993

Photo 931028-20 of this ♂, 35" high at shoulder although measurements are otherwise because of standing off scale platform. This ♂ pursued a ♀ with head held 50° above axis of body with mouth open and odor testing air. At Bee House.

First bufflehead duck on Humphrey Lagoon and on pond n of Pickering's home n Lopez Village. 2 shorellers on Swift Lagoon, Observed Cyanea capillata Leons mane, in from SW Bee House and last observed months ago. (see journal).

The knobbed young of year suckling from concealing ♀.

Nov 3, 1993

The knobbed young ^{a runt} of year still nursing from ♀ mule deer 30' high at shoulder.

All mule deer in winter pelage except one with stripe down back and one with some summer pelage on legs

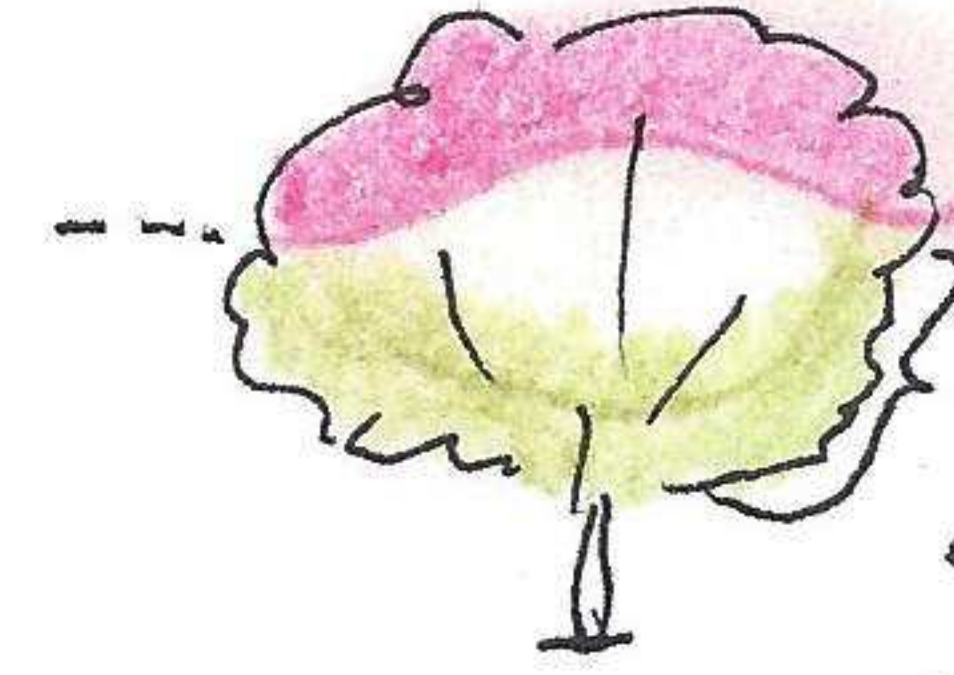
Photos of Bee House 931103-27 maple chandelier; 931103-28 ibid; 931103-29 ibid; 931103-30 rock wall S end living room; 931103-32 Apollo grand piano; 931103-34 couch; 931103-37 bedroom.

Nov 5, 1993

mule deer with 2 points each side and no eye lines still pursuing ♀♀'s with wrinkled nose, open mouth, head up.

The madrone tree in front (SE) Bee House used by birds and raccoons. Another tree 50' away still has original number of berries.

berries gone mainly by birds



20% gone and berries still red, eaten mainly by raccoons

Nov. 10, 1993

constitution of group (local) of mule deer.

3 ad over 3 years

1 ad 3 years

2 2 year old.

1 1 yr old.

2 this year

9

3 year old ♀ dominant but challenged by larger female.

Nov. 11, 1993

To Anacortes via ferry, all in fog. 7:50 A.M.

Nov. 12, 1993

6 common murrelets, all ♀, into Spring Cove and thence along shore SW Bee House. They travel fast and go for long distances.

Nov. 14, 1993

sunrise 7:26 A.M.

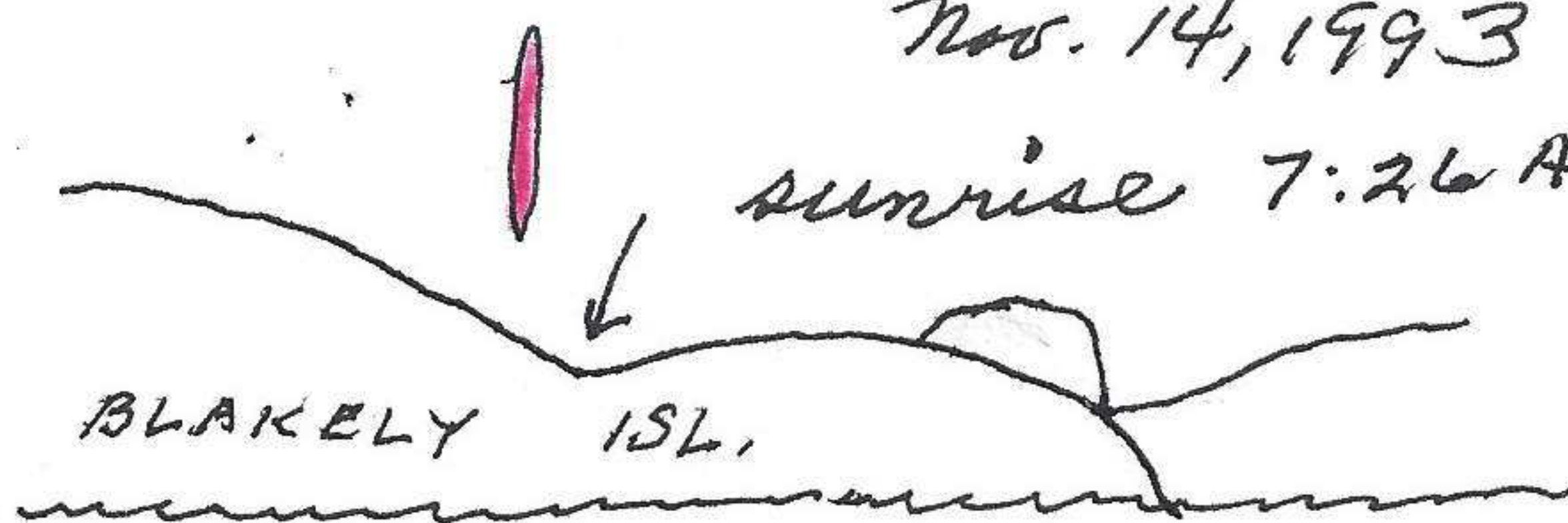


Photo 931114-1 of sky (sunrise color) from living room Bee House.

Photo 931114-2 from living room Bee House 931114-3 ibid

Stationary light streak below Perceon in cabin mirror. See above

First observed full intensity at 12:20 P.M. then gradually faded to 0 at 12:30 P.M.

This A.M. wind from NE, temp 21°F. Took several photos showing this condition. Wind 40-60 MPH

931114-5 salt water freezing on Lichen Point.

931114-27 ibid

931114-6 salt spray on Lichen Point

931114-28 wave action Lichen Pt.

931114-7 wave action Round Point

931114-31 wave action Leo Reef

931114-8 ibid

931114-32 wave action Lichen Pt.

931114-9 ibid

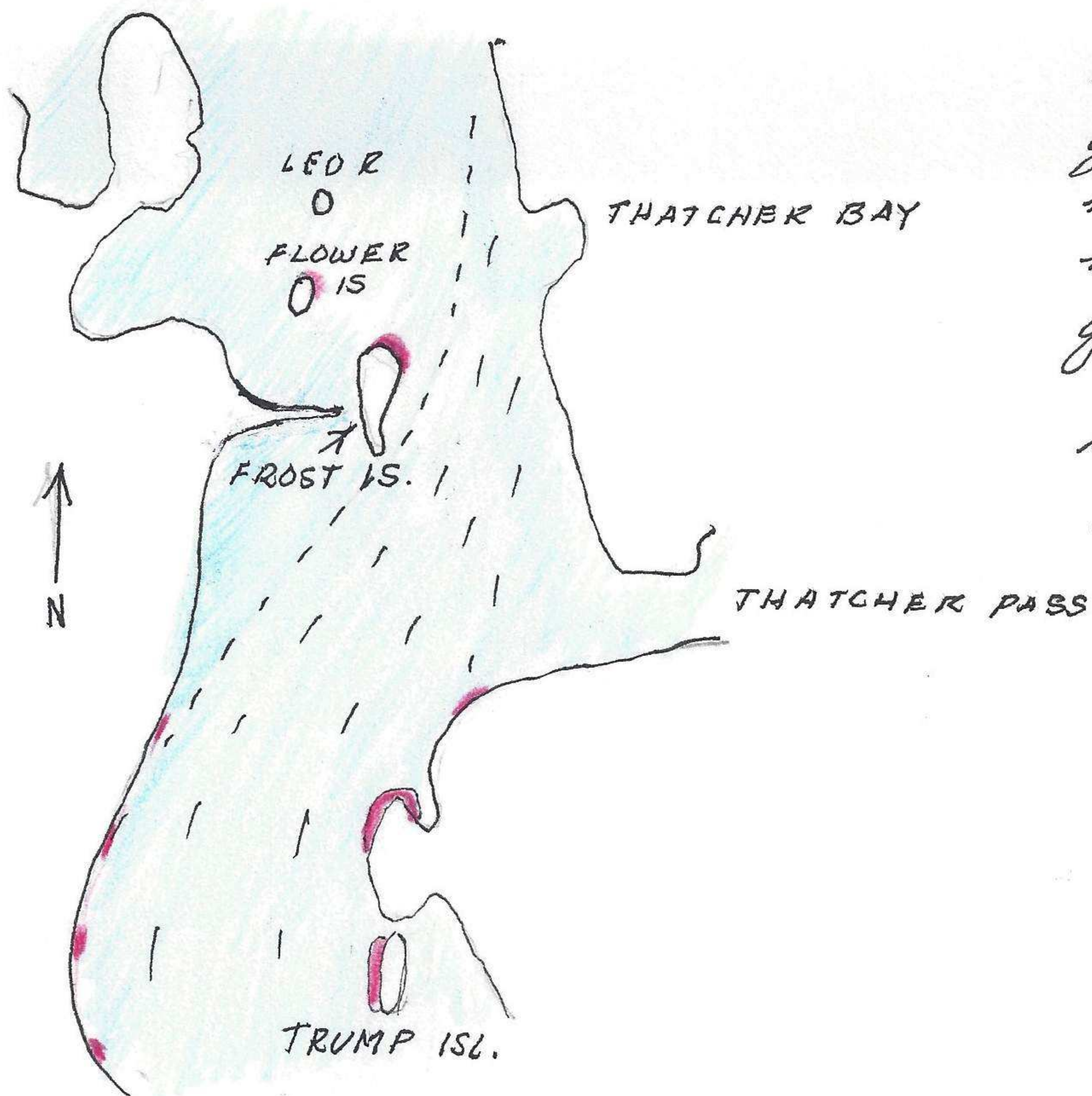
931114-34 ibid

931114-14 wave action below Bee House

931114-37 wave action below Bee

931114-26 ibid

House



Bald eagle, glaucous-winged gull, Bonaparte gull and mew gulls all fed during high wind. The Bonaparte gull was most adept.

The salt water sprayed shorelines and beyond which turned to ice.

Nov 28, 1993

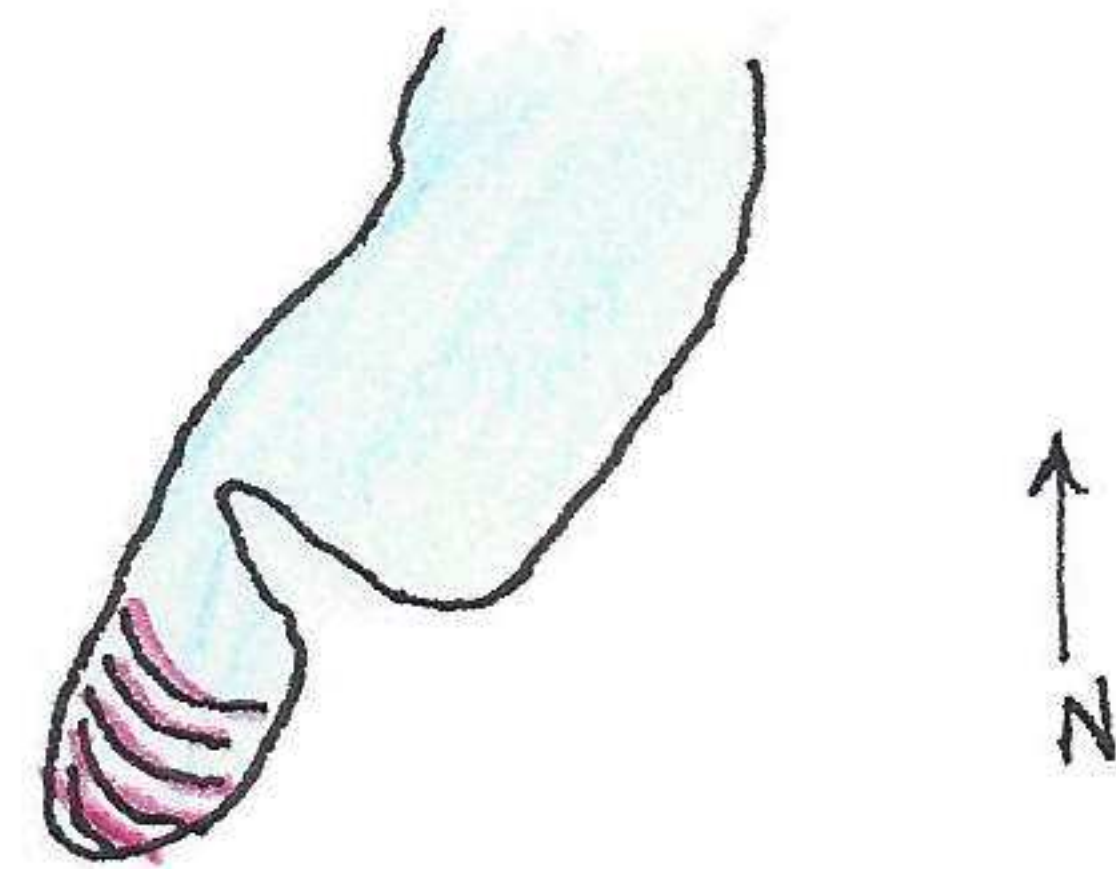
Temp. 24°F. Loss of red berries of madrona dependent on velocity of wind.

2:00 P.M. waves below whitecaps.

On west side of causeway between S Fisherman Bay Lagoon and San Juan channel 11 buffleheads, 3 glaucous-winged gulls. On E side causeway; approx 300 western sandpeeps resting in sun, 2 groups of approx 20 each of northern pintail, 23 green-winged teal, 18 glaucous-wing gulls, 2 great blue herons, 6 American crows. The south end of S Fisherman Bay Lagoon in windrows of silt, ^{brownish} from main Fisherman Bay. Half lagoon in ice.

All lagoon inspected are 1/2 in ice.

no yellow color on Blakely,



Nov. 29, 1993

To Anacortes and then Chris' for Thanksgiving. Left Lopez Island via ferry 7:50 A.M. First birds in Thatcher Pass; 21 Bonaparte gulls. E Thatcher Pass 85 Bonaparte gulls, 11 glaucous-winged gulls, 8 double-crested cormorant all generally distributed, no glaucous-winged gulls on Louter Island. 1 mew gull approaching Anacortes ferry terminal. Arrive.

Checked Marsh Point. West side, no birds. Fresh water drainage in ice, North end marsh point, 56 buffleheads,

8 common goldeneyes, 8 mewes, 2 glaucous-winged gulls.
E side marsh point, no birds or brant.

Nov. 30, 1993

Photo 931130-1 and 931130-2 of incision on arm.

no chipmunks last few days.

1:00 P.M. photo N. Lopez Sound with shoreline S of Spring Cove.
It is numbered 931130-9

Dec. 5, 1993



Sunrise 7:53:00 A.M.

Several photos of pre-sunrise color. All from Bee House.

931205-11 area mt Erie on Fidalgo Island.

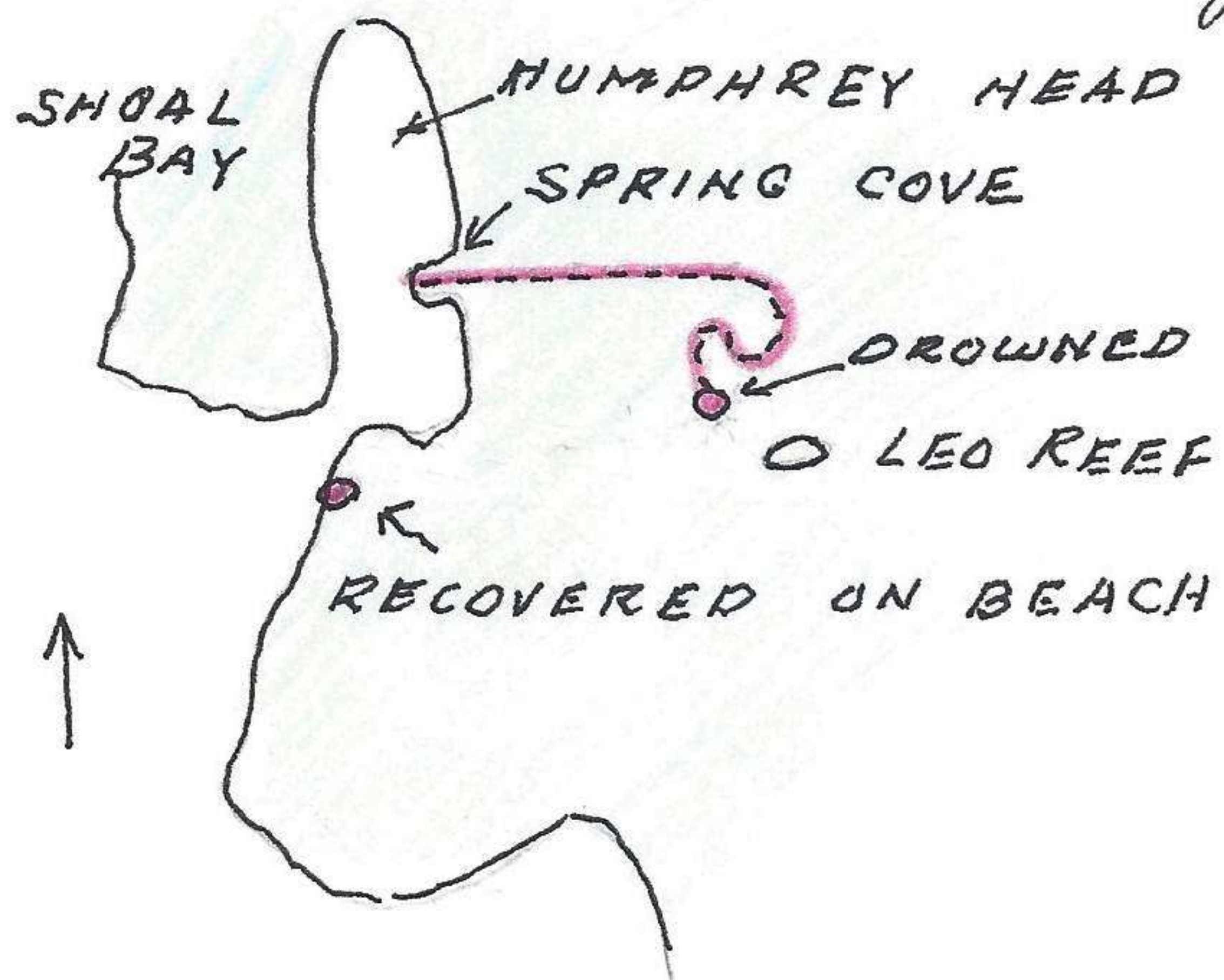
931205-12 clouds above mt. Erie on Fidalgo Island.

931205-14 Idid except over low clouds.


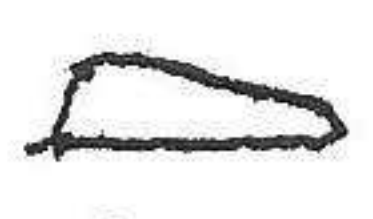
931205-15 To SE of morning color on clouds.

931205-17 telephoto, N + S Thatcher Peaks, Blakely Island.

931205-19 To SE showing reds and gaining yellows.



(4 women) guests of O'Leary home allowed 2 large dogs to roam without leash. They chased a ♀ mule deer into Spring Cove and thence into N Lopez Sound. The deer trended due E toward Blakely Island but at 1/3 distance became confused and hypothermia took over and it drowned. It swam approx. 8/10 mile. From where it expired

it drifted to beach below Schendaman property. It measured: total length 1063 mm, tail 118 mm, hind foot (minus claw) 394 mm, claw or hoof 51 mm, ear 140 mm. Left front hoof deformed  instead of . No injury on any part of the deer from dogs.

On E side S. Fishermans Causeway observed: 9 ♂, 10 ♀ buffhead, one group, 71 western sandpipers, 1 great blue heron + one glaucous-winged gull.
At Swifts Logoon 42 American widgeon, 5 spoonbills.

Dec 6, 1993



at lowest divide

Sunrise 7:50:38 A.M.

at sunrise a double-crested cormorant flew n just Bee House at approx 100' level.

Dec. 7, 1993

80 American crows and 46 starling fed on red berries of madrona tree 10' SE Bee House at 8:50 A.M.

Dec. 8, 1993

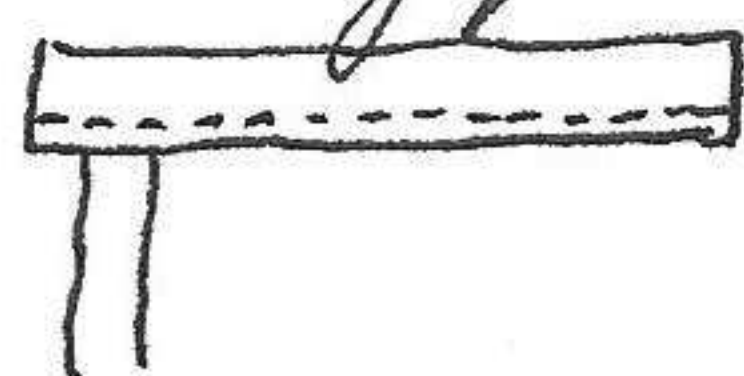
82 American crow fed on red madrona berries from same tree as Dec 7, 1993.

Bald eagle makes flight 5 in front of Bee House before sunrise (sunrise is defined as moment sun appears on horizon).

According to animal hospital on San Juan Island, 4 foxes (red?) are killed or injured on Pickens Lane at American Camp

Dec. 10, 1993

2:00 P.M. high tide on Shoal Bay placed water level 11" above base of floor joice of marina:



Dec. 28, 1993

Entered many Bee Kaufmans photo she took in Russia in 1992 and elsewhere in northern Alaska and Homer area.

931228-1 Arctic national Wildlife Reserve, Kongakut River, July 1992 Caribou herd (get numbers of animals, Alaska)

931228-2 ANWR Kongakut River, mucky makers 185 Cessna Alaska

931228-3 Biliken Camp, Umak, Chukotka Peninsula, 1992, Siberia.

931228-4 Vasiley chukitka Peninsula, reindeer herd, 1992, Siberia

931228-5 Reindeer camp, Chukotka Peninsula, 1992 Siberia

931228-6 Kodiak bear in fireweed, O'Malley Cr., Karluk Lake, Alaska, 1992

931228-7 young brown bear male learning to fish, 1992, Alaska.

931228-8 ♀ brown bear and young, 1992, Alaska.

931228-9 Brown bears copulating, 1992, Alaska

931228-10 young inquisitive brown bear, Alaska, 1992,

931228-11 Wolfy, 1000 lb brown bear, 1992, Alaska.

931228-12 Wolfy, large brown bear, 1992, Alaska.

931228-13 Disagreement over fishing hole, 1992, Alaska

931228-14 mating brown bears, 1992, Alaska

Dec. 12, 1993 (insert above Dec 28, 1993)

931212-22 photo SE over low summer clouds from Bee House N/G
Bald eagle circled above Hummel Lake at late twilight.

Dec. 14, 1993

146 trumpeter swans in field at hunting preserve, Fiv Island.
SF Skagit.

On highway 20 to La Conner turnoff from bridge over Svernormik
Channel observed 3 great blue herons and 3 roughlegged hawks.
Returned Lopez Island.

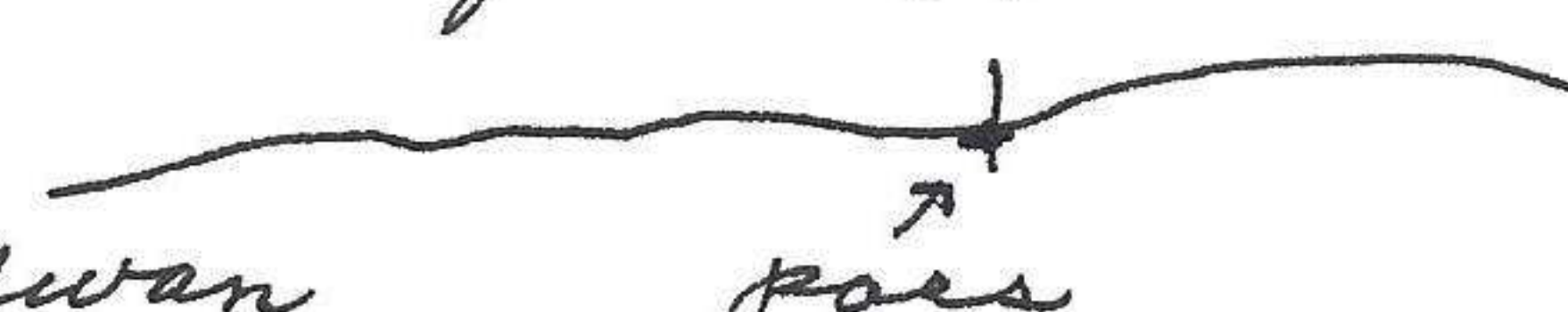
Dec 16, 1993

Glass doors for Bee House bay window, from Lynnwood.

Dec 17, 1993

At 7:55 A.M. photo 931217-27 of SE from Bee House
a great blue heron in usual place in Spring Cove and re-
mained 2 sq. yards for at least 2 hrs.

Dec 19, 1993


sunrise 8:06:10 A.M. 2 photos of sun at first appearance
on horizon 931219-30 and 931219-31
2 adults and 1 immature trumpeters swan 
at Hummel Lake at 4:30 P.M.

Dec 21, 1993

Shortest day of year. Sunrise 8:07:52
Photo 931221-33 sunrise with diagonal cloud across picture.
10 common mergansers and 21 double-crested cormorants swam
past Bee House but were not diving.
No harbor seal Leo Reef.

Dec. 22, 1993

Sunrise 8:07:47
4 photos of actual sunrise: 931222-35
931222-36
931222-37
931222-38

TIDALGO 
DECLATOR.

Dec 23, 1993

Photo of sunrise 931223-3 near notch of Fidalgo & Decatur islands

Dec 24, 1993

Sunrise 8:08:24 exactly in pass of Fidalgo & Decatur islands.
Photo 931223-10 half thru sunrise

931223-12 N+S Thatcher Peaks & clouds.

931223-14 Mt Eric area of colored clouds.

There are more logs in Upright and San Juan Channel than usual.

In N Fisherman Bay Lagoon are 12 subadult and 76
glaucous-winged gulls. Also 21 green-winged teal.

Hummel Lake 1/2 frozen as are all lagoons & ponds in area.

Dec. 25, 1993

Ducks in area: Humphrey Lagoon, 4 mallards, 2 buffleheads.
Low Beach Swift Bay, 13 American widgeon, 8 mallards, 6 buffle-
heads. S Fisherman Bay Lagoon 6 shovellers, 3♂, 2♀ American
widgeon. Hummel Lake, 36 common mergansers, 9 mallards,
2 common goldeneye.

At Shoal Bay Marina salvaged part of a mule deer skeleton
from water, no. 931225-1.

Dec 26, 1993

2 marbled murrelet front Bee House.

Photos at Bee House, 931226-18 and 931226-19 of tea and coffee
set as Christmas present. Photo 931226-20 of foreground of Christmas
decorations and N Lopez Sound in background. Photo 931226-28
of mastodon bone carving of owl & rabbit. Bone from skull of mastodon.

160 American robins fed on red-berries of madrona SE Bee House &
some tree used by crows, raccoons and other bird. 3 robins flew into
windows.

Dec. 28, 1993

6 photos of pre-sunrise color in sky from Bee House to SE.

931228-2

"

931228-6

"

931228-7

"

931228-9

"

931228-10

"

931228-13

"

measurement of some local mule deer on Bee Estate.

Adult ♀ 29 inches at shoulders

adult ♀ 28 " " "

Adult ♀ 31 " " "

yearling ♀ 23 " " "

yearling ♂ —

2 other ♀ —

dominant matriarch

largest of ♀ mule deer

smallest of mule deer

antler buds.

48^{double} crested cormorants flew to at sunrise.