

JOURNAL 1985

JAMES W. BEE

Lawrence, Douglas Co., Kansas

March 15, 1985

Mr. Don Jensen, brother-in-law informed me of the crow migration in Provo, <sup>Utah</sup> sometime in March. (March 15 selected for purposes of recording.) This was the second occurrence of unusual numbers of crows that passed thru Provo. The birds were first observed from 1593 N, 1450 E, Provo. They crows were higher than the mountain to the east and stretched from their residence S to mouth of Spanish Fork. They came over Buckley mountain. Of this group some descended <sup>in circles</sup> into the valley at his residence and alighted on the slope below his home (the <sup>the people</sup> Bonneville Level). After about 1/2 hour on this slope they left and trended toward Rock Canyon. A second group arrived from the south and remained in his area for 1 hour and then moved N. Mr. Jensen stated that he had never seen so many crows.

Lawrence, Douglas Co., Kansas

April 15, 1985

Made trip in deciduous forest N of Deerfield School at 11:30 AM. Recorded all birds etc. from S to N and then return.

redwing blackbird = 2

blue jay 1-1-1-2 = 5

turkey vulture = 1

American robin 1-1-1-1-2-3-1-1-2-2-1-1-1 = 18

myrtle warbler = 2

brown thrasher = 1

song sparrow = 1

cardinal = 1

old robin nest (12' jumper) by trunk 5' from ground.

great horned owl = 1

Harris' sparrow = 3

cottontail = 1

12:25 PM now at N end and crossing creek to S side for return.

robin (American) 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1.

mayflower 2' high, no blossoms.

Grace warbler = 2

brown thrasher 1-1 = 2

blue jay = 1

big oak trees felled a few years ago almost completely "disbanded".

phoebe = 1

single frog calling

Cottontail = 1

Tower 1:00 P.M.

red-bellied woodpecker

back to N side 1:17 P.M.

fox squirrel.

♀ ♂ red-winged blackbird, ♀ building nest.

grackle.

Lawrence, Douglas Co., Kansas  
~~Lawrence, Douglas Co., Kansas~~  
 May 19, 1985

checked research area from Iowa 5 to deerfeed forests  
 all N of Petersen Road.

Left home 402 Yorkshire 9:45 A.M.

9:55 start at Iowa street and pond.

mourning dove

redwing blackbird

bobwhite singing

3♂, 2♀ redwing blackbirds

bobwhite

American robin

checked cattails (on damp soils) no microtines, no water.

bobwhite

grackle

creek now parallel dike.

deer (white-tailed) bedding.

bobwhite

bluejay.

10:25 went open meadow (old pond or lake area)

bobwhite

mourning dove

robin

robin.

no H<sub>2</sub>O in creek

robin

grackle

robin (Am) singing

10:45 Yorkshire Creek

deer tracks, one measured. 80 mm track

bobwhite

11:24 now 77.

meadowlark

grackle

Crossing field 11:20 A.M.

microtus ochrogaster under box.

11:25 across west end

2 turkey vulture

grackle

deer bed at end swales.

11:45 Forest along fence

American Robin

12:00 right-of-way

2 cardinals

2 deer beds

Baltimore Oriole

12:10 N end forest

red-headed woodpecker

Baltimore Oriole

fox squirrel.

stream 1 gal. per 2 sec.

deer track (white-tailed) 85 mm

cardinal

12:45 Cross-over Creek

American Robin with worms <sup>carried</sup> in mouth

2 robins, one singing

1:04 Convergence 2 creeks.

Grace warbler

2 American robins

2 American crows.

3 red-wings top trees

American Robin

" "

Baltimore Oriole

red-headed woodpecker

1:15 ridge to silo or tower

bluejay working limbs for insects.

2 swallowtail butterflies in forest

1:25 silo

1:28 across wheat field

American Robin

" "

2 american robins  
 1:33 old house  
 robin nest dislodged  
 grackle.  
 2 american robins  
 1:45 back to road <sup>Petersen</sup>, on Surfside Creek.

may 25, 1985  
 common grackle copulating

may 26, 1985  
 An American robin <sup>started to</sup> built a nest



then the nest slid to side



next day robin placed mud on branch where nest had been  
 the day before mud.

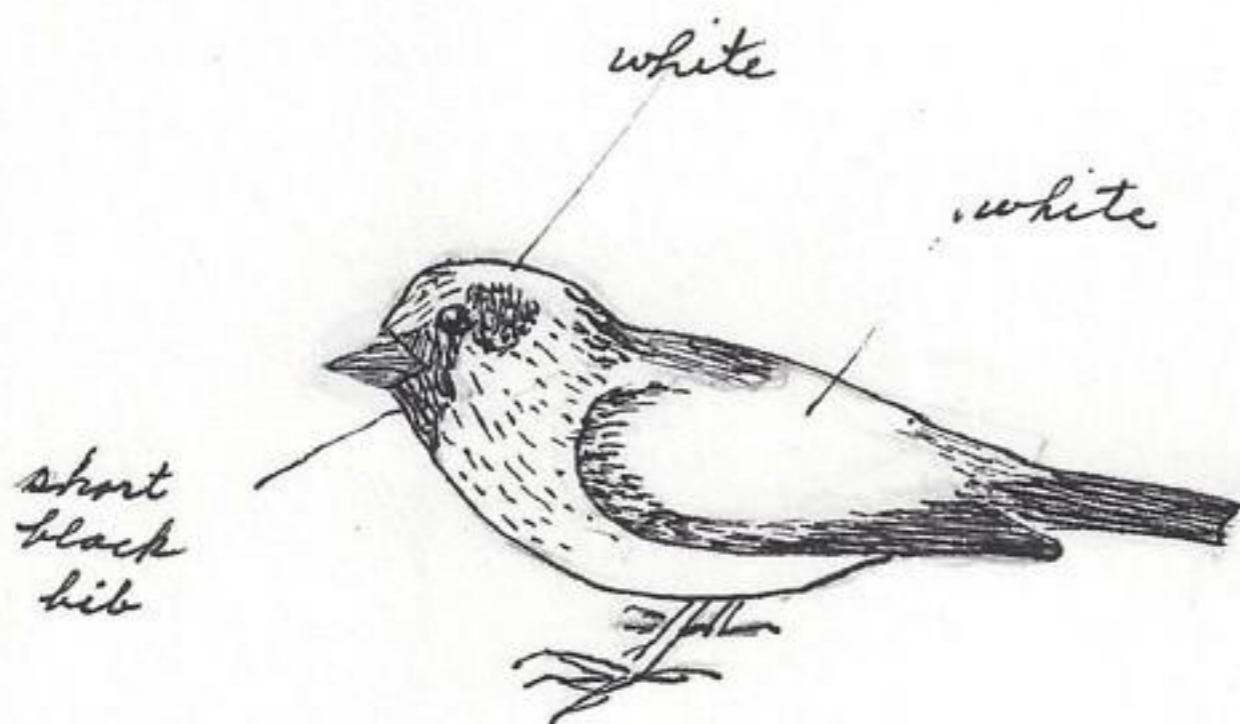


The nest fibers were now  
 below the mud and not  
 joined.

Lawrence, Douglas Co., Kansas

Nov. 6, 1985

noted an English Sparrow at 23rd and Louisiana Street.  
This bird, a male, had symmetry of albinism.



Lawrence, Douglas Co., Kansas

Nov. 22, 1985

Closed home at 402 Yorkshire Dr at 12:30 P.M. (originally purchased Feb. 1970). Left at 51727.6 mi. in Barth. Will follow Interstate 70 to Manhattan, thence 24 to Colby, thence 70 to Cleaver. Will keep complete list of raptors and noteworthy observation of other things.

at Perry (highway 24) road kill of sparrow, small one. Two redtail hawks between Lawrence and Topeka (N side). 5 more redtails (Inter. 70) between Topeka and Manhattan. Camped below Tuttle Creek dam in State Park. no facilities open and we were the only ones there.

Tuttle Creek Reservoir, Manhattan, Kansas

Nov. 23, 1985

at Campbell dam at 6:00 A.M. - 24°F. Wind from N. at 7:00 A.M. noted 34 crows chasing <sup>adult</sup> bald eagle circling above dam. at 7:10 A.M. 2 adult bald eagles flew from lake area S of camp. to reservoir beyond dam. Approx. 150 mallards in this lake below dam. Left 8:00 A.M. and drove to E end dam and then W across dam. In deciduous forests on road up to Top of dam noted 18 robins, 2 red-bellied woodpeckers, 1 yellow-shafted flicker, 3 blue jays, 12 juncos (state colored), 2 black-capped chickadees and 1 titmouse. As we drove W across dam noted 6 crows chasing 2 bald eagles. These eagles were using updraft N winds above dam. Mallards were flying N over dam. (all told about 80 in small groups). At west end of dam, 120 American mergansers in SW corner of reservoir (20' from shore). From Tuttle Creek road continued W on highway 40.

839.5 marsh hawk

844.9 sparrow hawk

866.4 first pheasants (3 ♂♂) flew across road, 1 red-tailed hawk.

872.7 Red-tailed hawk,

878.3 sparrow hawk,

881.3 marsh hawk

889.4 rough-legged hawk.

Blasco. 2 horned larks.

917.1 first magpie, nests in area.

920.7 fresh badger digging

923.4 Plum Creek, one flock approx. 2000 horned larks.

- 938.5 n. road to Glen Elder. Beyond at Granite Creek, ice in bog on n side and open water in lake on S side. marsh hawk here.
- 948.5 roughlegged hawk.
- 964.7 Osborne turnoff. For 4 miles W beyond here the horned larks were averaging 300 per 1/10 mi. They were along side of road. Complete cultivation beyond. <sup>River Valley</sup> This is an exceptional concentration of these birds. Before this point except for 2 large flocks the horned larks occurred about (groups 1-10 individuals) 1 group per 3 miles.
- Alton 2 marsh hawk
- 979.8 red-tailed hawk.
- 982.0 " " "
- 992.6 " " "
- 996.5 Stockton, Kansas, 5000 horned larks one group, 1 rough-legged hawk, 1 sparrow hawk.
- Webster Reservoir, 300 Canada geese flew N. Another group same size also flew N.
- 013.3 approx 280 Canada geese flew N.
- 021.6 2 red-tailed hawks (3:12 P.M.)
- 026.4 red-tailed hawk
- 035.2 2 red-tailed hawks.
- 036.5 rough-legged hawk
- 040.3 marsh hawk
- 042.7 Antelope Creek
- 045.1 red-tailed hawk
- 047.5 red-tailed hawk
- 050.2 marsh hawk
- 053.2 red-tailed hawk
- 057.6 red-tailed hawk
- 065.2 marsh hawk
- 066.6 marsh hawk
- 069.0 red-legged hawk
- 069.3 3 red-tailed hawks, marsh hawk,
- 070.5 2 red-tailed hawks
- 070.6 red-tailed hawk
- 071.0 marsh hawk, 5000 (approx) horned larks, all field flat and plowed.
- 073.1 red-tailed hawks, horned larks fly 40 M.P.R.
- 078.8 red-tailed hawk
- 079.5 red-tailed hawk. (cont. ↑)
- 080.0 red-tailed hawk
- 082.7 marsh hawk
- 087.5 red-tailed hawk
- 089.8 red-tailed hawk
- 090.7 marsh hawk
- 091.6 sparrow hawk,
- Arrived Colby at 545 P.M. at mileage 545 P.M. Camped City Park. 266 miles today



Colby, Kansas

Nov. 24, 1985

Stayed camp. NW <sup>Saramia</sup> ~~Laime~~

Temp 18° F at 9:00 A.M. Fog, no wind. 52097.1 west of Colby snow up to edge of road and frost covering all vegetation. Horn larks (groups of 2-10-8-17-10) along edge of road, one group approx. 400 horned larks. 52105.8 now on Interstate 70 west. Visibility at best 2/10 mi because of fog. Fog all the way to last ridge before dropping down to lowlands in Colorado. 151.0 ferruginous hawk. 52153.3 Colorado State line. at 10:19 A.M. The greatest concentration of horned larks are further east in Kansas than in the western part of Kansas. Since Colby all trees that are associated with 70 are covered in a beautiful white frost as are shrubs, utility lines etc. all trees lean to the N. 167.4 red-tailed hawk, horned larks much fewer in numbers than in Kansas. 184.3 just before breaks to lowlands, sky changed from fog to clear blue skies. noticeably less snow on ground and no frost. 206.3 red-tailed hawk, 10 crows and just since Colby, 208.6 rough-legged hawk. 209.8 2 rough-legged hawks and separated by one telephone pole apart. 219.7 red-tailed hawk. 220.6 Arriba overpass. Horned larks decidedly fewer than in Kansas. 223.9 rough-legged hawk. 226.1 red-tailed hawk. 233.1 Genoa area. 236.3 rough-legged hawk eating mouse (top utility pole). 239.2 (2) rough-legged hawks. 232.9 Limon. at 12:45 P.M. Temp. 36° F. or 18° higher than at Colby this A.M. 239.6 red-tailed hawk. 251.7 red-tailed hawk, 253.1 red-tailed hawk, 258.7 red-tailed hawk. 269.7 sparrow hawk, 270.4 rough-legged hawk. 271.1 Harlawlike hawk. 281.2 E. Bijan Creek. 286.2 sparrow 290.6 fox squirrel in cottonwood tree. 318.0 Aurora turnoff E of Denver on 70 highway at 2:30 P.M. Continued 70 to Golden Colorado and visited Mary and David. They were preparing to move to 400 Lincoln Street in Golden. Mary is preparing for mt. Mary expedition and is taking classes at Univ. of Colorado.

Golden, Colorado.

Nov. 25, 1985

Left this A.M. from Provo, Utah. 370.5 on Interstate 25 north. at 11:35 A.M. 375.1 sparrow hawk in extremely busy part of N Denver. 377.1 marsh hawk in lake area.

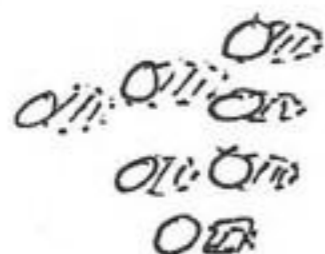
379.5 red-tailed hawk, 395.0 sparrow hawk, 397.2 sparrow hawk, 24° F outside. 12:10 P.M. In recollection, observed 8 bufflehead ducks in lakes w of Denver between Denver and Golden. 409.8 sparrow hawk, 412.1 sparrow hawk, 418.6 ferruginous hawk, 419.6 sparrow hawk and red-tailed hawk, 425.0 sparrow hawk, 435.5 Wellington overpass, 270 Exit, 440.6 golden eagle, 443.9 roughlegged hawk, 456.5 Wyoming State line, at 1:40 P.M. 52467.6 Little America in Cheyenne, 2:00 P.M. 479.0 348 exit otto Road, 436.2 melanistic rough-legged hawk, 491.1 Albany Co. line. 515.6 Laramie River in Laramie on 80 Interstate. weather from Cheyenne to Laramie on E side on upper slopes before divide, snow and high wind. On W side of medicine Bow mt. free of snow. near bottom of The Canyon a spise mule deer jumped guard rail and walked lieurely across road (I had stopped motor home 30' from the buck) It walk to 3' <sup>high</sup> cement separator between highway and started to jump separator but in each case pulled back and after the 3rd trial, retracted across highway and left the same way he had entered the highway. The unusual thing is that he performed only 30' in front of us as if we were not there.

Continued to a camp N W of Laramie and remained there for the night. Cloud masses N of Rocky Mountain and Snowy Range and those mts between but not in Laramie valley. Except the rough-legged hawk & mule deer, not a single bird or mammal observed on the route from Cheyenne to Laramie.

Laramie, Wyoming

Nov. 26, 1985

Left camp and gained Interstate 80. (52520.1 at camp). at 7:30 A.M. Clear sky. 522.4 rabbit road kill. (will keep complete census from here on until indicated). all lake frozen and covered with snow. 537.1 rabbit road kill. 532.2 2 raven. 534.9 top first ridge going W. 538.1 raven. 550.9 Carbon Co. line. 559.5 Arlington turnoff. 556.3 first magpie. 567.3 first aspen along road. 575.0 golden eagle. Hummocks of bunch grass or other vegetation is adjusted to size for wind and snow formation. Wind can blow over short forms of small diameter without irregular friction and snow accumulation on lee side remains in open area between consecutive plants.



Although sky clear, winds of high velocity blew snow N and NE across road from down drafts from mts. Road at times invisible but snow blowing across road only a few feet high. Wind sculpturing snow cornices. 587.3 first horned lark (single bird). 589.4 local area of deer or antelope tracks associated with both sides of high game fence. 591.1 magpie. 592.7 2 magpies feeding on road kill (deer). 591.2 exit 238 Petersen Road 298.1 now on 80 at Walcott. 601.6 magpie. 603.4 5 magpies feeding on rabbit road kill. 604.1 N Platte River, frozen. Lake east of Lincoln on N side is practically dry. 623.9 Gay Johnson 627.5 approx 375 antelope on N side road, 800 feet from road in artemisia? on open area of gently S sloping grade. 50% lying down. 627.6 exit 206. 631.1 8 horned larks. 632.1 approx 50 antelope, N side road, 700 feet from road, in artemisia. 635.1 Sweetwater Co. line. 635.6 approx. 500 antelope in one group & 20 adjoining on N side road. Group of 20 at fence line, other group 600 from road. 636.7 35 antelope, S side road, 500' from road. 639.0 approx - 600 antelope of several closely associated groups, one bunch at fence line, the others 400-500' from road, N side. 640.5 12 antelope, N side, 300' from road. Rabbit road kills about 1 per 5 miles. at Bagge turnoff scanned N of road, 180°, with 17x binoculars but did not see hawks or eagles. 639.9 10 antelope, N side. 300' from road. 650.2 Continental Divide. 652.4 rabbit road kill. 656.6 jock rabbit road kill. 660.9? Wamsutler turnoff. at 173 exit, 1:30 P.M. 662.7 rabbit road kill. 666.8 rabbit road kill. 668.7 Red Desert turnoff, exit 165. 672.6 approx 60 antelope, N side 300' from road, one a melanistic form. 676.4 horned lark. View to south against sun is, <sup>intense</sup> black sagebrush in contrast to brilliant snow. To N the sagebrush is brown & lighter and the contrast with snow is less. It is difficult to see animals to S but easy to differentiate animals to N. 681.9 red-tailed hawk. 685.4 red-tailed hawk. 687.4 red-tailed hawk. All antelope have been in or associated with patches of sagebrush. 687.8 2 golden eagles flying together. 712.9 exit Superior, exit 122. 722.7 12 antelope, N side, 800 ft. from road. No antelope

road kills. 728.1 exit 107 to Rock Springs. 730.8  
 golden eagle, 736.6 exit 82 into Green River. Camped  
 at Tex's Camp W of Green River, arrived 4:00 PM at mileage.  
 52750.2 Electric only.

Green River, Sweetwater Co., Wyoming.  
 Nov. 27, 1985

Left camp and continued W to a point where it connects with  
 Interstate 80. Left at mileage 52750.2, temp 14°F. 750.9 Green  
 River. River frozen except a channel 1/10 width of river in  
 center of the river and flowing. 758.1 magpie. no Brewer's  
 blackbirds so far. 758.4 2 magpies. Black Fork River  
 at 760.3, 5 magpies, magpie. 761.5 magpie. 769.2 Little  
 America. 781.4 Uinta Co. 785.6 8 goldfinch. 786.5  
 2 roven. 792.8 Black Fork River? 798.5 Exit 39,  
 mountain view. 813.1 mule deer road kill, <sup>partly</sup> covered with  
 snow. 813.6 4 magpies on recently killed jackrabbit.  
 816.8 magpie. 819.3 magpie. 2 freshly killed rabbits. mule  
 deer road kill. 820.1 rabbit road kill. 820.5 2 magpies.  
 820.7 exit 18 to Kemmerer. 821.8 magpie. 824.6 mule  
 deer on snow covered hill. It was probing below snow for  
 food. Temp. 28°F. Numerous tracks of deer along route.  
 Wind blowing snow on surface. 825.6 magpie at rabbit  
 road kill. 827.7 magpie on rabbit road kill. 830.5 magpie.  
 832.0 exit 6, Evanston. 837.6 magpie. 859.9 adult bald  
 eagle and 9 magpies feeding on mule deer road kill (rail-  
 road tracks. The eagle left and flew approx. 200' and  
 alighted on snow covered ridge to N. The magpies continued  
 feeding on deer. 857.2 mule deer road kill and 2  
 magpies. 857.9 magpie at exit 180. 858.6 magpie.  
 859.6 magpie. 860.7 2 golden eagles flying (circling)  
 in canyon approx 300' high. 861.4 3 magpies at a  
 mule deer road kill, and one magpie 1/10 mi. beyond. 862.4  
 magpie. 860.8 8 magpies. Creek muddy, and free flow-  
 ing. Temp. 38. 867.5 Echo Canyon Tourist Information.  
 868.1 4 magpies feeding on mule deer road kill. 870.3  
 Echo dam. water open. no ducks. 872.5 approx 30 Canada  
 geese in middle of lake. River open that enters lake.  
 Temp. 38°F. It is interesting that there are not more magpies  
 in this valley S of reservoir. 876.4 2 magpies. 876.5  
 first Brewer blackbird. numerous magpie nests in valley.

878.0 magpie. 876.4 magpie, stream clear. 679.5 2 magpies.  
 881.6 2 young deer road kills, 2 more 1/10 mi. beyond. no  
 magpies associated with these magpies, magpie. 882.3  
 magpie. 882.6 2 magpies on mule deer road kill.  
 890.8 magpie. at 1:10 P.M. 895.0 magpie. 895.5  
 Wasatch Co. line. 898.4 magpie, on mule deer road kill.  
 900.0 mule deer road kill, no magpies. 902.8 Provo  
 River, clear. 904.0 domestic calf road kill, 9 magpies.  
 feeding on animal. 904.1 magpie. 915.6 3 magpies. 920.6  
 porcupine road kill. 921.5 middle Deer Creek dam.  
 no ducks. 922.5 30 pine siskin 925.1 Utah Co..  
 52938.1 mary's at Provo, Utah.

Provo, Utah Co., Utah

Nov. 28, 1985

Spent Thanksgiving with Mary & Son. Mary served a wonderful  
 Thanksgiving dinner. At her home (1593 N 1450 E, Provo  
 840601) which is on the top (edge) of Bonneville level,  
 noted the following: 1 prairie falcon, 1 goshawk (this  
 bird rested on top of a small scrub oak for 15 minutes,  
 then flew to edge of roof for 3 minutes before leaving),  
 2 ♂ ring-necked pheasant, 5 flocks (average 20) robins  
 flew by, 2 flocks (average 250) starling flew by, 18 pine  
 siskin, 6 mule deer, rested in open patches of scrub oak.  
 Observed deer to feed on live Artemisia. These deer  
 have been using this area for several weeks as a  
 refugia. Occasionally one will cross lawn or walk  
 down cemented area under the porch overhang. They  
 leave fecal pellets on the lawn. 2 magpies and one  
 Steller's gull frequented the area as did 8 slate-colored  
 juncos. James Robert Bee arrived Thanksgiving day & left next day.  
 visited Ramses II

Nov. 29, 1985

Mary and I visited The Monte L. Bean Life Science Museum  
 and resolved several problems concerning gifts of archeolog-  
 ical and natural history collections. They include:

official deed of gift	list of books
donor form (legal doc.)	title form (research associate)
loan form	both museum & archeology
Endowment	Dr. Donald M. Allred, Director
request for allotment funds.	of Bean Museum handled all
loan of 7 paintings	business transaction.

Dr. Alfred informed me that only taxonomic papers or reprints were deposited in the museum library, all others (ecology etc) were placed in departmental areas. He is working on a protocol for the museum. All departments have new steel cases except mammalogy, and although they are gradually building<sup>up</sup> their steel specimen cases a considerable proportion of the cases are wooden.

Checked the mammal range and all my specimens were arranged in trays on top of other cases and most of them had been identified.

Wilmer Tanner is reporting on the herpetology of one of the Mexican states. In his endowment he has requested that if there is a shift of interest away from taxonomy, he would like to have all his specimens and endowment proceedings sent to a museum in California.

Herbert Frost reports the greatest influx<sup>this year</sup> of crows into Utah Valley that has ever been reported. He has already extracted early information on crow population from my journals that have been copied at Brigham Young.

Lynn Hayward does most of his museum work at home.

Wilmer reports that he has 8 specimens of the native trout in the fish collection.

Don Forsyth and Joel C. Janetski discussed some archeological problems. They report that Natchings of Lehi found Indian habitation on Rock Island. Some individuals believe Utah Lake was never deep. Mouth Provo River shows successive periods of sand deposition. There is a report of <sup>Indian</sup> mounds around Fairfield Springs but no evidence of these mounds have been observed. Forsyth's research grant may be able to provide some monies for consultation & preparation of archeological materials for transfer to BYU.

Mr. Arnold Davis (Edith's husband) of Provo reports that suckers in Utah Lake are becoming uncommon. The white bass and carp are now the dominant forms. Recently German Brown trout were taken <sup>in Utah Lake</sup> near the old Lake Resort area. He has recently caught 2-3 lb German brown trout in Provo River in the Provo area. Strawberry Reservoir is again contaminated with trash fish and as a result fishing for trout is very poor. He has no recollection of seeing native trout taken from Utah Lake or Provo River.

Monte L. Bean Museum

Deed of Gift

James W. Bee, (Donor) hereby transfers to the MONTE L. BEAN MUSEUM at Brigham Young University as a charitable gift, without restriction except as noted in this deed of gift, the following property (the Gift):

Animals, artifacts, printed materials and other gifts in kind  
as indicated on the attached sheet.

Donor warrants that he/she is the sole owner of the Gift and has full power to transfer the Gift to the Museum. If the Gift has been imported into the United States, Donor warrants that the Gift has been legally imported and that there are no customs or other imposts or taxes due on the Gift.

The Gift has been made with the following restrictions and no others:

No restrictions of use, except for the copy of fieldnotes as  
designated on the attached sheet.

An inventory of species <sup>and printed materials</sup> donated is requested as soon as practical.

DONOR

Date Nov. 30, 1985

James W Bee

The Gift shall not become final until this Deed of Gift has been accepted by the Monte L. Bean Museum by signing in the space below.

Monte L. Bean Museum

Date 30 Nov. 1985

by Ronald M. Albed

Director

## GIFTS IN KIND FROM JAMES W. BEE 30 NOVEMBER 1985

- 1663 mammals  
 65 birds  
 14 sets birds eggs  
 405 reptiles  
 175 insects  
 210 molluscs  
 2 boxes plants  
 3 boxes archaeological materials (St. John Island--transferred  
 to the BYU Museum of Peoples and Cultures)  
 1 white specimen case with trays  
 1 copy each of 42 volumes of fieldnotes of James W. Bee, with  
 use restrictions (see attached sheet)  
 (Copy of original made by and at expense of Bean Museum)

## Books and reprints as indicated:

Entomology	7	boxes	
Mammalogy	11	"	
Ornithology	7	"	
Botany	1	"	
Herpetology & Ichthyology	6	"	
Archaeology	1	"	(transferred to Museum of Peoples and Cultures)
Mollusca	1	"	
Geology	4	"	(transferred to Geology Department)
Biology	3	"	
Miscellaneous	5	"	



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2. Be copied accurately as a true reproduction of all script and color codes of the original.
3. Be bound.
4. Be deposited in the Monte L. Bean Museum in a secured area with controlled access.
5. Not to be taken from the Bean Museum.
6. Be used by professional scientists and graduate students of Brigham Young University for professional scientific research and publication, as applicable, with approval of James W. Bee.
7. James W. Bee to be designated as junior author on published material.
8. Manuscripts based on significant amounts of these field notes must be read by James W. Bee before publication.
9. By written directive from or upon the death of James W. Bee, items 6 and 8 above will be applicable to the Director of the Bean Museum or his designee.

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Entomology	7	boxes	
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Ornithology	7	"	
Botany	1	"	
Herpetology & Ichthyology	6	"	
Archaeology	1	"	(transferred to Museum of Peoples and Cultures)
Mollusca	1	"	
Geology	4	"	(transferred to Geology Department)
Biology	3	"	
Miscellaneous	5	"	

## MONTE L. BEAN LIFE SCIENCE MUSEUM

## DONOR FORM

## Donor Information:

Name James W. BeeAddress 1593 N. 1450 EProvo, Utah 84604Phone numbers 377-1646 Home \_\_\_\_\_ Work \_\_\_\_\_Donor's representative Mary Bee Jensen

Donor contact made by \_\_\_\_\_

Restrictions or conditions (if any) \_\_\_\_\_

No restrictions of use, <sup>c</sup>except for the copy of fieldnotes as  
stipulated on the attached sheet.An inventory of species <sup>and printed material</sup> donated is requested as soon as  
practical.

Description of Donation: \_\_\_\_\_

Animals, artifacts, printed materials and other gifts in  
kind as indicated on the attached sheet.

Statement of Acceptance: The above described assets and conditions are

agreed upon by *Ronald M. Allred* 30 Nov-85  
Director of the Bean Museum date*James W Bee* Nov 30, 1985  
Donor date

LOAN AGREEMENT  
Monte L. Bean Life Science Museum  
Brigham Young University

This is to certify that James W. Bee agrees,  
to loan to the Monte L. Bean Life Science Museum of Brigham Young University,  
the following described specimens or materials for the period Indefinite

\_\_\_\_\_ :  
One Gray metal specimen case with full complement of trays.

One Original copy each of 42 volumes of fieldnotes (1927-1984)  
by James W. Bee, with the condition that they are not to be  
reproduced beyond the one authorized copy designated as part  
of the gifts in kind dated 30 November 1985.

The above items are to be returned to the loaner upon his request.

Condition of specimens or materials:

Excellent

This agreement also serves to absolve the Bean Museum and Brigham Young  
University of any liability as to loss or damage of the specimens or materials  
described above.

It is understood, however, that the Bean Museum will exercise reasonable  
care of said specimens or materials while they are in its possession.

James W Bee Nov. 30, 1985  
Signed (Owner) Date

1593 N. 1450 E, Provo, Utah. 84604  
Address

Ronald M. Allred 30 Nov 1985  
Signed (for Bean Museum) Date

December 2, 1985

LDS Foundation  
A-285 ASB  
Brigham Young University  
Provo, Utah 84602

Gentlemen:

The enclosed check for \$500.00 is to establish the James W. and Robert G. Bee Naturalists fund to support the research and collections

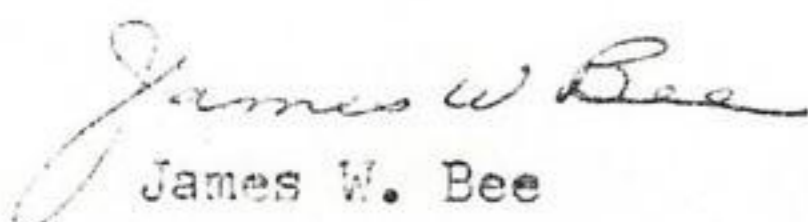
that have been contributed to the Brigham Young University.

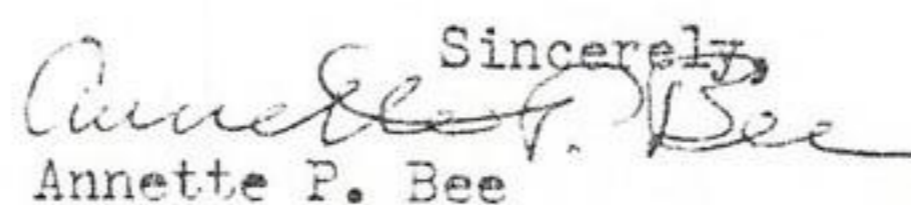
It is the intent to add additional assets from time to time to build the fund to an endowment. After such time, the earnings from the endowment are to be used to support the Bean Museum related and personal research of James W. Bee. When James Bee designates, a faculty or graduate student of Brigham Young University or visiting scientists to the Bean Museum may be assigned such funds to perform their research in Natural History.

The fund's earnings shall be administered by the Director and Executive Committee of the Monte L. Bean Life Science Museum, in coordination with James W. Bee for as long as he is able and willing to serve. After the death of the donor, museum officials assigning use of the earnings must include a person trained in Natural History, or such a designee.

Earnings from the endowment in any given year will remain available for use in the succeeding year, or may be added to the corpus of the endowment when so designated by the Director, Executive Committee, and James W. Bee as long as he is able and willing to so designate.

The University shall be the absolute owner of the fund and shall use reasonable care in investing and maintaining the fund. The University shall not have the duty of a trustee.

  
James W. Bee

Sincerely,  
  
Annette P. Bee

Date Dec 2, 1985

Dec. 2, 1985

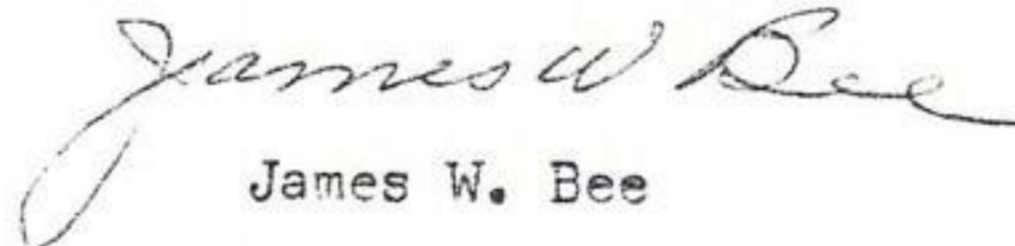
Dr. Donald M. Allred  
 Director, Monte L. Bean Life Science Museum  
 Brigham Young University  
 Provo, Utah 84602

Received from James W. Bee, 6 oil paintings and 1 watercolor, as listed below, on loan for one year.

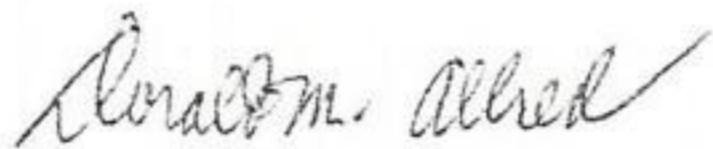
710825-1 JWB	W. C. Adams	Hunter, dogs, grizzly bear.
710825-3 JWB	W. C. Adams	Hunter, horse, grizzly bear.
710825-4 JWB	W. C. Adams	Fiserman, canoe, water falls.
710825-6 JWB	W. C. Adams	"Big Game".
710825-7 JWB	Paul Salisbury	"Destiny".
710825-8 JWB	Paul Salisbury	"The Harvester".
770911-1 JWB	Paul Salisbury	"Taking a Breather".

This invoice absolves the Bean Museum of liability as to loss or damage of the 7 paintings described above.

The Bean Museum will also exercise special care of paintings while in its possession.



James W. Bee



Donald M. Allred  
 Director, Bean Museum

Dec. 2, 1985

Dr. Donald M. Allred  
 Director, Monte L. Bean Life Science Museum  
 Brigham Young University  
 Provo, Utah 84602

Dear Dr. Allred,

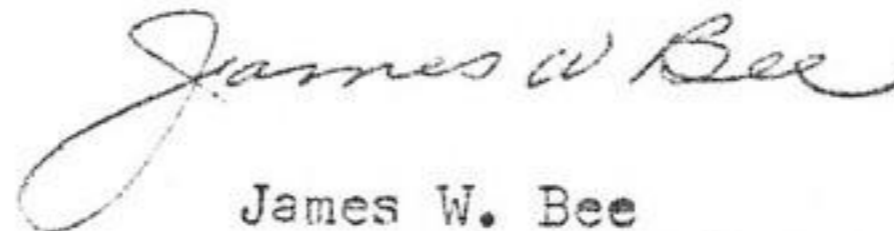
Recently we discussed the possibility of housing paintings belonging to me in the Bean Museum for the purpose of disposition by sale.

Ten per cent (10%) of each individual sale is to be placed in the James W. Bee Endowment (fund) and all remaining monies accrued from the sale of this material are to be returned to James W. Bee for support of his field work and research for Brigham Young University.

The value (price firm) for these paintings as ~~informally~~ appraised by Attorney Rulon Morgan of Provo, Utah is as follows:

710825-1	JWB	W.C. ADAMS	Hunter, dogs, grizzly bear	\$10,000.00
710825-3	JWB	" "	Hunter, horse, grizzly bear	\$10,000.00
710825-4	JWB	" "	Fisherman, canoe, water falls	\$10,000.00
710825-6	JWB	" "	"Big Game"	\$ 5,000.00
710825-7	JWB	Paul Salisbury	"Destiny"	\$40,000.00
710825-8	JWB	Paul Salisbury	"The Harvester"	\$30,000.00
770911-1	JWB	" "	"Taking a Breather"	\$15,000.00

Cordially



James W. Bee  
 Research Associate  
 Monte L. Bean Museum

FAMILY:

DEPARTMENT OF HERPETOLOGY  
 MONTE L. BEAN LIFE SCIENCE MUSEUM  
 149 MLBM  
 BRIGHAM YOUNG UNIVERSITY  
 PROVO, UTAH 84602

TAXON:

~~XXXXXXXXXX~~

The Bee Collection

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SPECIMENS

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CAT. NO.	BYU #	COLLECTING DATA	STATUS
590214-13	39047	Pseudacris	
590607-1	40147	Thamnophis	
590607-2	38925	Spadefoot toad	
590607-3	38926	" "	
590607-4	38927	" "	
590607-6	39025	Rana pipiens	
590607-9	39026	frog	
59060713	39027	Rana catesbiana	
59060 7-14	39028	" "	
590607-16	38928	Spade foot toad	
590607-17	39029	frog	
590608-1	39309	Agkistrodon mokeson	
590608-1	38930	Bufo terrestris charlesmithi	
590613-1	39030	Acris crepitans blanchardi	
590613-3	39031	" " "	
590613-4	39032	" " "	
590613-5	39033	" " "	
590613-6	39034	" " "	
590613-7	39035	" " "	
590613-8	39036	" " "	
590613-9	39037	" " "	
590615-7	38924	Terrapene ornata	
590615-8	38963	EUMECES OBSOLETUS	
590615-9	39994	Thamnophis	
590615-12	39040	Acris crepitans blanchardi	
590615-13	39041	" " "	
590615-15	39042	" " "	
590615-16	39043	" " "	
590615-17	39044	" " "	
590615-18	39045	" " "	
590621-1	39993	Thamnophis s. parietalis	
590621-2	39125	Small brown snake	
590621-3	38964	Eumeces	
590621-5	39126	Diadophis	
590621-6	38932	Bufo	
590624-1	38965	Holbrookia maculata	
590624-2	38966	" "	
590624-3	38967	" "	
590624-4	38968	" "	
590624-5	38931	x Bufo americanus	
590624-6	38969	Cnemidophorus sexlineatus	
590624-7	38970	" "	
590624-8	38971	" "	
590624-9	38933	bufo	
590624-9a	38934	"	



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The Bee collection

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BYU#

CAT. NO.	COLLECTING DATA	STATUS
590624-10	38972 <i>Cnemidophorus sexlineatus</i>	
590624-11	38973 " "	
590624-13	39046 <i>Acris crepitans</i>	
590624-14	38935 <i>Bufo</i>	
590624-15	38936 "	
590624-16	38937 "	
590624-17	39038 <i>Microhyla olivacea</i>	
590624-18	39039 " "	
590624-19	38923 <i>Chelydra serpentina</i>	
590624-20	38922 Turtle	
590624-22	39289 <i>Natrix</i>	
590704-1	39048 <i>Acris crepitans blanchardi</i>	
590704-2	39049 " " "	
590704-3	39324 <i>Rana pipiens</i>	
590704-4	39298 <i>Thamnophis</i>	
590707-15	?	
590708-1	39290 <i>Natrix</i>	
590708-2	38921 Turtle	
590713-6	39280 <i>Thamnophis</i>	
590715-1	39124 <i>Carpophis</i>	
600409-1	39050 <i>Acris crepitans</i>	
600409-2	39051 " "	
600409-3	39052 " "	
600409-4	39053 <i>Acris crepitans</i>	
600409-5	39054 " "	
600409-6	39055 " "	
600409-7	39056 " " "	
600409-8	39057 " "	
600409-9	39058 " "	
600409-10	39059 " "	
600409-11	39060 " "	
600409-12	39061 " "	
600409-13	39062 " "	
600409-14	39063 " "	
600409-15	39064 " "	
600409-16	39065 " "	
600409-19	38974 <i>Eumeces obsoletus</i>	
600409-20	38938 <i>Bufo terrestris</i>	
600409-28	38939 <i>Bufo woodhousi</i>	
600409-21	39069 <i>Hyla versicolor</i>	
600409-22	38975 <i>Eumeces fasciatus</i>	
600409-24	38976 " "	
600409-25	38977 <i>Lygosoma laterale</i>	
600409-26	39138 <i>Carpophis amoenus</i>	

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CAT. NO.	COLLECTING DATA			STATUS
600409-27	39127	Carpophis amoenus		
600409-29	38978	Crotophytus collaris		
600409-30	38979	"	"	
600409-31	38980	"	"	
600409-32	39299	Thamnophis sauris		
600409-34	38940	Bufo terrestris		
600409-35		Fish		
600409-36	39070	Hyla versicolor		
600409-37	38950	Eurycea longicauda		
600409-38	38981	Eumeces laticeps		
600409-39	39066	Rana clamitans		
600409-40	39068	Rana sylvatica		
600409-41	39067	Rana clamitans		
600409-42	38951	Ambystoma		
600409-43	39071	Hyla versicolor		
600418-5	39128	Diadophis punctatus arnyi		
600418-6	39129	"	"	
600418-7	39130	"	"	
600418-8	39131	"	"	
600418-9	39132	"	"	
600418-10	39133	"	"	
600418-11	39134	"	"	
600418-12	39135	"	"	
600418-13	39136	"	"	
600418-14	39137	"	"	
600418-15	39311	"	"	
600421-1	39072	Acris crepitans		
600421-1	39073	"	"	
600421-2	39074	"	"	
600421-2	39075	"	"	
600421-3	39076	"	"	
600421-3	39077	"	"	
600421-4	39078	"	"	
600421-4	39079	"	"	
600421-5	39080	"	"	
600421-5	39081	"	"	
600421-6	39082	"	"	
600421-6	39083	"	"	
600421-7	39084	"	"	
600421-8	39088	"	"	
600421-9	39313	Natrix		
600421-8	39085	Acris crepitans		
600421-9	39086	"	"	
600421-10	39087	"	"	

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The Bee Collection

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CAT. NO.	COLLECTING DATA	STATUS
600423-1	39300	Thamnophis
600423-2	39089	Acris crepitans
600423-3	39090	" "
600424-4	39091	" "
600429-1	38954	Crotalus horridus horridus
600424-11	39316	Lampropeltis calligaster calligaster
600429-1	39323	Lampropeltis calligaster
600430-1	39139	Diadophis punctatus
600430-2	39140	" "
600430-3	39141	" "
600430-4	39142	" "
600430-5	39143	" "
600430-6	39144	" "
600430-7	39145	" "
600430-8	39146	" "
600430-9	39147	" "
600430-10	39148	" "
600430-11	39149	" "
600430-12	39150	" "
600430-13	39151	" "
600430-14	39152	" "
600430-15	39153	Carpophis amoenus
600430-16	39154	" "
600430-17	39155	" "
600430-18	39156	" "
600506-6	39157	" "
600506-7	39158	" "
600506-8	39159	" "
600501-1	39092	Rana pipiens
600501-2	39093	" "
600501-3	39094	Hyla versicolor
600508-2	39160	Diadophis punctatus
600508-3	39161	" "
600508-4	39162	" "
600508-5	39163	" "
600508-6	39164	" "
600508-7	39165	" "
600508-9	39166	" "
600508-10	38952	Salamander
601109-1	38953	Ambystoma tigrinum
601110-1	39312	Snake
601113-1	39288	Coluber constrictor
601121-1	39307	Tropidoclonion lineatum
601128-1	39304	Storeria dekayi texana

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CAT. NO.	COLLECTING DATA	STATUS
620429-11	39303 Pilot black snake	
620429-12	39301 <i>Thamnophis</i>	
620429-14	39167 <i>Diadophis</i>	
620507-12	39168 <i>Carpophis amoenus</i>	
620507-10	38955 <i>Akistrodon mokeson</i>	
620507-11	38956 <i>Crotalus horridus</i>	
620507-13	39999 <i>Thamnophis</i>	
620507-14	39291 <i>Natrix</i>	
620507-15	39292 "	
620507-16	38982 <i>Eumeces</i>	
620507-17	38983 "	
620507-18	38984 "	
620510-1	39281 <i>Coluber constrictor</i>	
620511-2	39286 " "	
620511-4	38985 <i>Eumeces obsoletus</i>	
630420-103	39315 Blotched King snake	
630420-104	39169 <i>Diadophis</i>	
630420-105	39170 "	
630426-1	39995 <i>Thamnophis s. parietalis</i>	
630601-4	40001 " " "	
630601-5	40002 " " "	
630601-6	39305 Snake	
630608-1	39095 & <i>Hyla versicolor</i>	
630718-1	39314 <i>Lampropeltis calligaster</i>	
640405-8	39282 Pilot black snake	
640405-8a	39293 " " "	
640405-9	39284 " " "	
640405-10	39285 " " "	
640417-1	39171 <i>Diadophis punctatus</i>	
640417-2	39172 " "	
640417-3	39173 " "	
640417-4	39174 " "	
640417-5	39175 " "	
640417-6	39176 " "	
640417-7	39177 " "	
640417-8	39178 " "	
640417-9	39179 " "	
640417-10	39180 " "	
640417-11	39181 " "	
640417-12	39182 " "	
640417-13	39183 " "	
640417-14	39184 " "	
640417-15	39185 " "	
640417-16	39186 " "	
640417-17	39187 " "	

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The Bee Collection

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CAT. NO.		COLLECTING DATA	STATUS
640417-18	39188	Diadophis punctatus	
640417-19	39189	" "	
640417-20	39190	" "	
640417-21	39191	" "	
640417-22	39192	" "	
640417-23	39193	" "	
640417-24	39194	" "	
640417-25	39195	" "	
640417-27	39196	" "	
640417-28	39197	" "	
640417-29	39198	" "	
640417-30	39199	" "	
640417-31	39200	" "	
640417-32	39201	" "	
640417-33	39202	" "	
640417-34	39203	" "	
640417-35	39204	" "	
640417-36	39310	<del>BE</del> Snake	
640419-1	39293	Natrix sipedon	
640425-18	39206	Diadophis	
640425-19	39207	"	
640425-21	39208	Carphophis	
640425-21	39205	carphophis	
640425-22	39066	Microhyla olivacea	
640429-1	38986	Ophisaurus	
640502-1	39209	Diadophis punctatus	
640502-2	39210	" "	
640502-3	39211	" "	
640502-4	39212	" "	
640502-5	39213	" "	
640502-6	39214	" "	
640502-7	39215	" "	
640502-8	39216	" "	
640502-9	39217	" "	
640502-10	39218	" "	
640502-11	39219	" "	
640502-12	39220	" "	
640502-13	39221	" "	
640502-14	39222	" "	
640502-15	39223	" "	
640502-16	39224	" "	
640502-17	39225	" "	
640502-18	39226	" "	
640502-19	39227	" "	

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CAT. NO.

COLLECTING DATA

STATUS

640502-20	39228	<i>Diadophis punctatus</i>
640502-21	39229	" "
640502-22	39230	" "
640508-2	39317	<i>Lampropeltis doliata sypila</i>
640509-1	38987	<i>Eumeces obsoletus</i>
640509-2	39318	<i>Lampropeltis doliata sypila</i>
640509-3	39231	<i>Carphophis</i>
640509-4	39232	<i>Diadophis</i>
640509-5	38988	<i>Eumeces</i>
640509-6	38989	"
640509-7	39097	<i>Microhyla olivacea</i>
640509-8	38943	<i>Bufo</i>
640509-9	39233	<i>Diadophis</i>
640509-10	39234	"
640509-11	39235	"
640509-13	39237	"
640509-14	39238	"
640509-15	39239	"
640509-16	39240	"
640509-17	39241	"
640509-21	39997	<i>Thamnophis sirtalis parietalis</i>
640510-1	39242	<i>Diadophis punctatus</i>
640510-2	39243	" "
640510-3	39244	" "
640510-4	39245	" "
640510-5	39246	" "
640510-6	38990	<i>Eumeces</i>
640509-12	39236	<i>Diadophis</i>
640510-7	39319	<i>Lampropeltis calligaster</i>
640510-8	39294	<i>Natrix</i>
640510-9	38944	<i>Bufo</i>
640510-10	39247	<i>Carphophis amoena</i>
640510-11	39996	<i>Thamnophis s. parietalis</i>
640517-1	38957	<i>Agkistrodon contortrix</i>
640517-2	39248	<i>Carphophis amoena</i>
640517-3	39249	"
640517-4	38991	<i>Eumeces</i>
640517-5	38992	"
640517-6	38993	"
640517-7	38994	"
640517-8	38995	"

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ORIGIN: The Bee Collection

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CAT. NO.	COLLECTING DATA	STATUS
640523-2	38996 Eumeces fasciatus	
640523-3	38997 " "	
640523-4	38998 " "	
640523-5	38999 " "	
640523-6	39000 " "	
640523-6a	39001 " "	
640523-6c	39002 " "	
640523-6d	39003 " "	
640523-7	39004 " "	
640523-8	39005 Eumeces obsoletus	
640523-8a	39006 " "	
640523-9	39251 Diadophis punctatus	
640523-10	39250 Carphophis amoena	
640523-11	39287 Coluber constrictor	
640530-1	39252 Diadophis punctatus	
640530-2	39253 " "	
640530-3	39254 " "	
640530-4	39007 Eumeces	
640530-4a	39008 " "	
640530-5	39009 " "	
640530-6	39010 Eumeces fasciatus	
640530-7	39098 Microhyla olivacea	
640530-8	39099 " "	
640712-1	39011 Crotaphogus collaris	
640712-2	39012 " "	
650416-1	38958 Agkistrodon contortrix mokeson	
650416-2	38959 " " "	
650416-3	38962 Crotalus horridus	
650416-4	38960 Agkistrodon contortrix mokeson	
650501-1	39306 Snake	
650503-1	39013 Ophesaurus ventralis	
660722-1	39295 Natrix	
680306-1	39302 Thamnophis	
680408-1	39255 Carphophis	
680412-1	39100 Rana pipiens	
680428-2	39101 Hyla versicolor	
680428-7	39102 " "	
680504-1	39103 Rana pipiens	
680504-2	39104 " "	
680504-3	39105 " "	
680504-4	39106 " "	
680504-5	39107 " "	
680504-6	39108 " "	
680504-12	38945 Bufo	

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CAT. NO.	COLLECTING DATA		STATUS
680504-13	38946	Bufo	
680505-1		Fish	
680518-2	39269	Diadophis	
680518-3	39270	"	
680519-1	39014	Eumeces	
680525-1	39015	Ophesaurus atteruatus	
680525-2	39016	" "	
680525-3	38947	Bufo	
680525-4	38948	"	
680525-5	39109	Pseudacris	
680525-6	39110	"	
680525-7	39111	"	
680525-8	39112	"	
680525-9	39113	"	
680525-10	39114	"	
680525-11	39115	"	
680525-12	39017	Ophesaurus Atteruatus	
680525-13	39018	" "	
680526-1	39271	Diadophis	
680526-2	39256	Carphophis	
680526-3	39257	"	
680528-1	39258	"	
680528-2	39117	Microhyla olivacea	
680528-3	39118	" "	
680528-4	39119	" "	
680528-5	39120	" "	
680528-6	39121	" "	
680528-8	39019	Eumeces obsoleta	
680528-9	39020	" "	
680528-10	39023	Eumeces	
680528-11	39122	Pseudacris	
680528-12	39123	"	
680601-1	39116	Microhyla olivacea	
680601-2	39259	Carphophis	
680601-3	39260	"	
680601-4	39261	"	
680601-5	39262	"	
680601-6	39021	Eumeces	
680601-7	39022	"	
680601-15	38920	Chelydra serpentina	
680605-13	39272	Diadophis	
680605-14	39264	Carphophis	



DEPARTMENT OF HERPETOLOGY  
MONTE L. BEAN LIFE SCIENCE MUSEUM  
149 MLBM  
BRIGHAM YOUNG UNIVERSITY  
PROVO, UTAH 84602

TAXON:

~~XXXXXXXX~~ The Bee Collection

Page 10 of 18

CAT. NO.	COLLECTING DATA	STATUS
680606-1	39024 Cnemidophorus sexlineatus	
680608-1	38949 Bufo	
680609-1	39264 Carphophis	
680609-2	39265 "	
680609-3	39266 "	
680609-4	39273 Diadophis	
680609-5	39274 "	
680919-1	39308 Tropidoclonion lineatum lineatum	
681012-1	39296 Natrix sipedon	
690419-1	39320 Lampropeltis calligaster	
690510-1	39321 " "	
690510-2	39322 " "	
690511-1	39267 Carphophis amoena	
690511-2	39268 " "	
690511-3	39275 Diadophis punctatus	
690511-4	39276 " "	
690511-5	39277 " "	
690511-6	39278 " "	
690604-1	38961 Agkistrodon contortrix	
690608-1	39297 Natrix	
690814-3	38919 Turtle	
700606-1	39279 Diadophis	
600409-35	38941 Bufo woodhousii	
600421-8	38942 Bufo	

Campus Memorandum  
Brigham Young University

85/203-33



From Joel Janetski

To Dr. Donald Allred

Entered Dec 3, 1985  
Date Oct. 3, 1985

Room 101 Allen

Room 290-A MLBM

James Bee artifact collection from the Virgin Islands received by the Museum of Peoples and Cultures:

570801-3	1 of 5	1 glass sherd 60+ ceramic sherds
570801-3	2 of 5	45 glass sherds mostly bottle tops and bottoms 47 ceramic sherds, 4 are handles
570801-3	3 of 5	1 glass sherd 28 ceramic sherds 1 metal object (pewter utensil handle?)
570801-3	4 of 5	28 glass sherds (1 stopper) 3 metal scraps 1 pipe fragment 2 ceramic sherds (lionshead) 2 bone fragments
570801-3	5 of 5	5 pipe fragments
570801-3	4 of 5	5 glass sherds 1 copper object (worked) 19 ceramic sherds
570801-8		1 metal chisel
570801-9		1 metal hoe
570801-10		1 metal chisel
570802-31		9 ceramic sherds 1 bottle 1 glass cup
750804-3		20 ceramic sherds 1 glass sherd 6 pipe fragments

JCJ:jlm

MUSEUM OF  
PEOPLES AND CULTURES

BRIGHAM YOUNG UNIVERSITY  
PROVO, UTAH 84602

RECORD OF DONATION

PLEASE PRINT

DATE: November 30, 1985

Name of Person(s) or Organization Leaving Material (Artifacts, Etc.) with Museum:

James W. Bee

ADDRESS:

c/o Mary Bee Jensen

PHONE NUMBER (801) 377-1646

1593 N 1450 E

ACQUISITION NUMBER(s):

Provo, UT 84601

DESCRIPTION OF ITEMS LEFT (QUANTITIES):

Archaeological specimens and related printed matter.

Approximate value of collection. \$200,000.00

WHERE OBTAINED:

Utah County, Utah

For purposes of cataloguing and inventory the Museum of Peoples and Cultures can only accept permanent donations. no restrictions

To Whom it May Concern:

I, the undersigned, do hereby relinquish all rights and claims of ownership of the above named items to the Museum of Peoples and Cultures, Brigham Young University.

James W. Bee

Signature of Representative of Collection

James W. Bee

Joel C. Janetski

Signature of Museum Personnel

Joel C. Janetski

30 Nov. 1985

Date:

*Entered Dec 3, 1985*  
*JWB*

Provo, Utah Co., Utah

Dec. 2, 1985 (Entered Dec 3, 1985)

Left Mary home at mileage. 52943.9 at 12:00 noon.  
 Fog and rain. 950.8 <sup>at</sup> exit 274 across on Interstate  
 15. Temp. 42°F 966.4 Salt Lake Co. 012.9 magpie and  
 first bird so far. 013.5 magpie. 031.2 skunk (k  
 striped) and mule deer road kill. 035.1 magpie.  
 041.4 bald eagle. 041.5 bald eagle. 046.0 junction  
 highway 89-91 off Interstate 15 on way to Camp south  
 of this junction. Arrived at KOA Campgrounds at  
 mileage. 52050.0 at 4:00 P.M. All the way rain.

2 mi. S Brigham City, Utah.

Dec 3, 1985

Called Sydney Boyle of Hyde Park N. of Logan, Utah but they were  
 not available. Left Brigham City camp at 53050.0 at 9:40 A.M.  
 overcast, clouds to mt. tops, raining. This is the humid storms  
 that have been coming from the S.W. 061.0 now on Interstate  
 84, north exit, and going N. Since 18" of snow a few days ago  
 the snow has been reduced by the warm SW storms and  
 rain. Ponds partly open and drainage systems free flowing.  
 066.1 crow and first one observed since, I believe, Laramie  
 (check records). 068.2 sparrow hawk. 069.2 Bear River  
 bridge, no ice. 074.2 cross-roads to Fremont on road  
 to Malad. 079.5 now on Interstate 84 having passed E.W.  
 thru Fremont. Bonneville Lake shoreline on slopes to N  
 are detailed with cycles of levels between major levels and  
 would be an excellent place to study them. 081.8 crow.  
 41°F 2:05 P.M. 087.1 mule deer road kill, 1 magpie at kill.  
 090.9 pass, 37°F 092.6 red-tailed hawk. 094.9 8  
 horned larks at edge of road, snow covers all the landscape.  
 095.6 80 horn larks. 096.1 30 horned larks. 096.7 30  
 horned larks. 097.2 2 horned larks. 097.3 8 horned larks.  
 097.5 13 horned larks. Blue Creek, <sup>exit</sup> 20, at 100.0.  
 102.2 15 horned larks. 102.4 2 raven. 106.2 mule deer  
 road kill. No birds at kill. 108.2 2 raven. 112.7 18 horned  
 larks. Exit 7 to Snowville at 113.3. River west of Snowville  
 open. 016.5 mule deer road kill, raven near. 117.7  
 mule deer road kill. 120.9 Idaho State line. 3:06 P.M.  
 123.7 6 horned larks. 126.0 4 raven surrounding a rough-  
 legged hawk <sup>at edge of road</sup> that had been injured by a car. The hawk

was unable to fly and walked awkwardly. The rovers were curious but were not attacking the injured hawk. Exit 263 - Juniper Rd. at 134.0 observed a roven. 135.8 Cassia Co., 139.2 Sweetzer Co. 5520 ft. elev., temp 31°F. 144.7 2 roven. 149.9 1 roven. 156.2 rough-legged hawk, 158.3 roven. 159.5 rough-legged hawk. 161.4 rough-legged hawk. 162.6 Raft River. 162.9 rough-legged hawk. 162.4 magpie. 165.7 rough-legged hawk road kill. 216 exit leaving 84. at 181.2. Camped 1/10 mi. E of Snake River bridge over 84 at mileage 181.5, 4:30 P.M. River frozen solid. Temp. 8:00 P.M. 29°F. Stars in sky.

1/10 mi. E Snake River Bridge, <sup>(inside)</sup> Interstate 83, N Heyburn, Idaho.  
Dec. 3, 1985

Left 10:00 A.M. Temp. 29°F mileage Snake River bridge on Interstate 83, 53182.2 (middle of bridge). Minadoka Co. line E side of <sup>above</sup> bridge. Channel open in segments of river but otherwise completely frozen. no birds or ducks. 189.2 2 Brewer blackbirds? 195.8 sparrow hawk. 197.6 rough-legged hawk, marsh hawk and 6 horned larks. 198.0 Jerome Co. 199.2 rough-legged hawk. 202.2 rough-legged hawk. 201.1 rough-legged hawk. 204.6 North Side Canal frozen. 205.2 roven, rough-legged hawk. 205.7 sparrow hawk. 207.1 roven. 207.6 marsh hawk road kill. 212.3 rough-legged hawk. 213.5 2 rough-legged hawks and first jackrabbit road kill since this morning start, 8 horned larks. 220.4 roven. 221.3 8 horned larks. Last mile or two good volcanic exposures in road cuts. Temp. 22°F at 11:00 A.M. 224.0 3 horned larks. 227.5 magpie and roughlegged hawk. 227.9 magpie. 228.1 magpie eating a small domestic animal road kill. 230.9 168 to Jerome; magpie, meadowlark (first observed). 231.7 magpie. 232.5 3 horned larks. 237.9 Gooding Co. line. 239.0 marsh hawk. 239.5 9 horned larks. 242.4 Exit 157 Gooding at 242.4. 246.0 magpie. 247.6 roven, magpie feeding on a road kill (sp.?) off the shoulder of the road. 24°F, 11:40 A.M., elev. 3100. 249.8 roven and 12 horned larks. 251.2 212 antelope in one close group on N side of road on bare exposure, approx. 200' from Interstate. most of them resting on arrival. Photo 850303-1 of distant view of all animals in group. Photo 851203-2 Close-up of part of the group. When we stopped some of the

stood up but none of them left the main group. The surround-  
 ing area was cultivated and the general area moderately  
 developed in home-sites, no birds in area of antelope.  
 Exit 147 to Tuttle, mileage 252.6 at overpass bridge. 253.4  
 Malad River. 254.8 marsh hawk. 256.0 magpie. 256.7  
 meadowlark. It is a question why more meadowlarks are  
 not found along the road. 257.7 rough-legged hawk.  
 258.0 sparrow hawk. 258.4 mustela <sup>penata</sup> road kill? 264.1  
 magpie. 264.0 jackrabbit road kill. 267.4 Elmore Co.,  
 jackrabbit road kill. 271.6 Snake River bridge. No  
 ice in river and free flowing, 2400 ft, 12:25, 35°F.  
 valley to N shows numerous former valley levels of the  
 Snake River. 278.2 Snake River crossing at Glenns Ferry.  
 30 ducks in river N side. 280.4 sparrow  
 hawk. 282.2 magpie. Snake River bluish-green and  
 clear. 285.0 prairie falcon. 285.2 bald eagle circling  
 in river channel. 285.6 bald eagle flying down Snake  
 River. 288.3 overpass <sup>exit</sup> 112 to Hammett. 291.8 horned  
 lark. 292.2 18 horned larks, and 12 horned larks.  
 295.1 7 horned larks. 295.4 roven. 296.8 roven.  
 297.5 9 horned larks. 299.9 roven. 300.6 overpass  
 of road 30 to mt. Home, now on 30. 8 horned larks.  
 300.7 28 horned larks. 304.7 roven. Junction  
 30 <sup>and</sup> 515 in mountain view at red lights. 306.4.  
 Left mt. Home. 2:10 P.M. Temp. 32°F. 315.3 15 horned  
 larks. 330.0 Ada Co. Exit 71 to Mayfield and Orchard  
 at 331.8 at overpass. 335.4 rough-legged hawk.  
 Exit 53, Boise, at overpass. 349.4. Temp. 33°F, 3:15 P.M.  
 352.6 magpie. 358.4 magpie. 363.1 Canyon Co., 365.1  
 overpass 38 exit to Napa, ♂ pheasant and sparrow hawk.  
 368.8 marsh hawk. Trim body best character. 371.4  
 magpie. 371.8 6 magpie, Eng. sparrow flew 40 MPH.  
 Have not recored English sparrows or starling which have  
 been dominant species in numbers. Rock doves at most  
 overpasses on 83. Exit 29, Caldwell at overpass at 274.6.  
 275.1 sparrow hawk. Temp. 35°F. 276.6 Boise River open.  
 379.1 ♂ pheasant. 281.1 sparrow hawk. 384.3 sparrow hawk.  
 386.2 Payette Co. 4:00 P.M. Temp. 33°F 287.7 magpie.  
 288.6 sparrow hawk. 389.1 magpie. 389.2 magpie. 390.2  
 rough-legged hawk. 391.6 magpie and 5 horned larks. 398.1  
 magpie. Exit 3, highway 95 to Freeland and Payette, mileage

at overpass 400.9. 403.8 middle of Snake River bridge, River high to river banks and presenting a threat to flood plain. 403.9 Oregon State line on N side bridge. Temp. 35°F, 4:30 P.M. Continued to Ontario and stayed at Westgate mobile Home Park. 2511, SW 4th Avenue, Ontario. <sup>mileage 53409.5</sup> State Park along Snake River not open. 227 miles today.

In summary: (selected species)

maggie - Found in areas of human habitation but frequently far removed from such association of man and his habitation and domestic animals. Road killed deer draw magpies far from ranches, farms. River valleys are preferred, or at least more frequently inhabited. most frequently observed along road with or without conspicuous road kills. Perched on fence posts or in limbs of medium size trees. no road kill magpies observed so far on trip. Also observed flying in areas not associated with roads. Compatible with raven, golden eagle and large groups of their own species.

Raven. Singles and pairs & small groups. Frequently at road kills along road. Others flying in areas not associated with roads and generally 30-80' above ground, some 300-400' high, no road kill raven have been observed. Compatible with magpie.

Sparrow hawk. Fence posts, top utility poles & lines. Some actively hunting

Rough-legged hawk. On fence posts, in trees or top utility poles. Some hunting <sup>about</sup> 30' above ground, hovering. Road killed but never observed feeding on carrion along road. Wing beat slow, wings narrow and black belly band good field marks. Occasionally observed on ground.

Westgate Camp, Ontario, Oregon  
~~near~~ ~~at~~ ~~the~~ ~~entrance~~ ~~to~~ ~~the~~ ~~state~~ ~~park~~  
Dec. 5, 1985

Left 53409.5, 21°F, sky overcast, some blue showing thru, 9:00 A.M. 413.4 now on Interstate 84, S entrance Ontario, 10:00 A.M., Temp 30°F. 416.4 marsh hawk. 417.6 magpie. 417.7 magpie and rough-legged hawk. 419.3 magpie. 420.2 3 magpies along road at a road kill site. 421.1 rough-legged hawk. Wing beat slower than red-tailed hawk, Temp 27°F. not many deer tracks in snow. 425.4 2 raven, one of the 2 remained on the shoulder as we passed by, not at a carrion site. 429.9 mule deer road kill at one of the passes. mule deer tracks common beyond this point,

associated with same kind of topography and vegetation.  
 as before divide. 431.0 2600 ft. elev., now down grade.  
 434.6 now along Snake River, <sup>no ice</sup> In the next 3.4 miles along  
 river observed 20 mallards in one group, 240 Barrow golden eye,  
 60 buffle head ducks (singles, pairs to groups of 10). Also 2 magpies.  
 Exit 353 to Huntington business area at 437.2. 438.5 Baker  
 Co. Temp. 25°F. 440.4 rabbit road kill, magpie feeding on the  
 kill. 444.0 magpie just beyond Lime, 445.7 30% open, the rest  
 in ice masses. noted 2 buffle head and 8 golden-eye in  
 creek, deer tracks along canyon slopes. 447.0 opposite lime  
 plant. 447.9 mule deer road kill and 9 magpies & 2 roven  
 feeding on the kill. As soon as we passed the magpies return-  
 ed to the deer. Tracks of deer numerous in snow on slopes of  
 the canyon. 448.5 magpie. 448.8 Burnt River. 450.5 4  
 mallard ducks. water in Burnt Creek clear. 454.8 weather  
 by <sup>exit</sup> at 335, magpie. 455.7 3 magpies and 2 roven feeding on  
 carrion in field. Exit 230 Plans Road at mileage 460.2,  
 roven. 461.2 rough-legged hawk, Temp 36°F. 461.8 2  
 roven. 462.9 rough-legged hawk. 465.1 rough-legged  
 hawk. 465.3 rough-legged hawk dropped down from top  
 of telephone pole onto prey. 465.7 Pritchard Cr., 466.2  
 roven, magpie, temp 33°F. 469.9 Alder Cr., 2 magpies.  
 470.5 6 robins. 471.2 sparrow hawk, 2 robin. 472.2  
 9 magpies and one golden eagle feeding on mule deer road  
 kill. Pleasant Valley <sup>exit</sup> 315 at 473.6, 3500 ft elev., temp 31°F.  
 474.2 roven. Group of black willows a brilliant yellowish-  
 orange. 477.2 2 roven. Many of these rovens are  
 flying parallel or over road as if following the road  
 for carrion. 481.4 2 magpies. 481.9 roven. Exit 206  
 at 484.5 to Baker, at 10:50 AM. 485.7 mt to E yellowish  
 from grasses growing among Artemisia. 488.2 rough-  
 legged hawk. Exit 302, highway 86, to Hells Canyon, 488.7  
 at overpass. Baker Valley is a <sup>former</sup> flat lake bed. 490.0 rough-  
 legged hawk. 491.5 rough-legged hawk, 491.7 rough-  
 legged hawk. 492.2 rough-legged hawk in a willow tree.  
 The hawk was dead by shooting from the road. 492.7 roven.  
 496.6 shrike, roven. 500. (3-4) <sup>half</sup> beginning of odometer check,  
 at 502.5 Powder River, frozen but surface water on ice, temp  
 35°F. 502.9 pheasant 10' from edge of road. 503.9 45th  
 north latitude. 505. between 4-5 or measured mile = 5.1  
 on Barth odometer or .02 miles more in Barth per mile



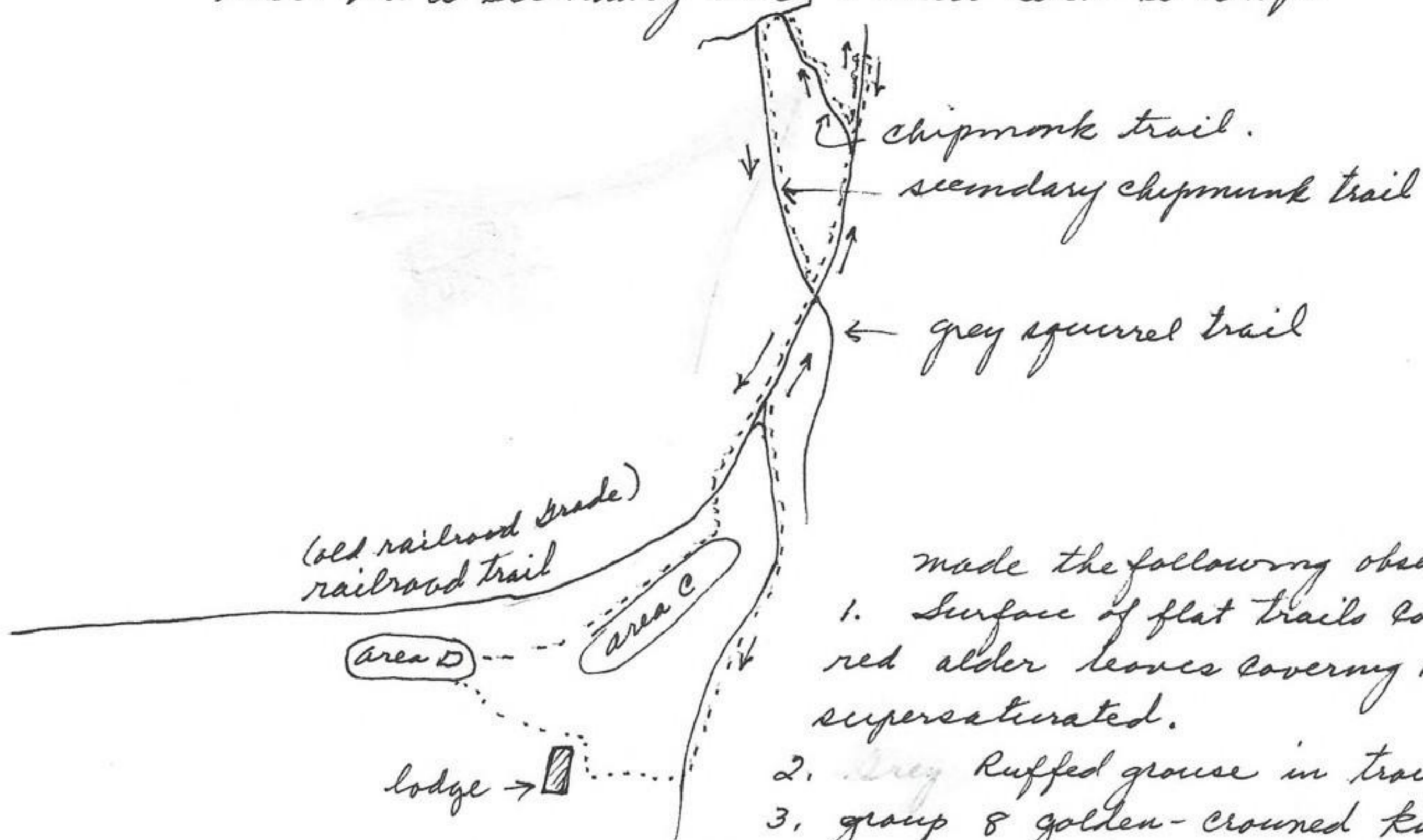
Exit 286 to Powder River at 506.1 at overpass. 507.2<sup>7</sup> raven  
 in one group feeding in field. 507.4 Waaf Cr. 513.5 3  
 magpies. 516.8 magpie. 519.6 magpie, 37°F. winter wheat  
 slightly green in planted fields; however, most of area is  
 meadow grasses. 524.2 sparrow hawk. Valley at 2600ft.  
 Beginning to rain: 524.6 melanistic rough-legged hawk,  
 temp. 40°F. at 526.4 Ladd marsh approx. 5,000 mallards,  
 in open water of impounded water and 1 golden eagle on  
 ice approx. 150' beyond ducks. There was a raven  
 standing within 6 feet of eagle. 12 other ravens were  
 distributed along the dike. at least 40 ducks active in  
 air in general area, marsh hawk, Exit 265 to La Grande  
 527.2 at railroad overpass, 12:30 P.M. Left 531.1 at  
 exchange in La Grande, at 1:30 P.M. after lunch, 41°F.  
 532.5 Grande<sup>Roads</sup> River frozen<sup>and covered with snow</sup> but with few rices in middle  
 of river. 533.4 Entering Canyon W of La Grande, sparrow  
 hawk. Ice hanging from cliffs. 549.1 Umatilla Co.  
 4923 Blue mt. Summit at 551.8. 558.5 raven.  
 no deer trails. 560.1 raven. 224 exit at 568.7  
 3400 ft., temp. 41°F, 2:25 P.M. Exit 213 (on highway 30)  
 to Pendleton at 580.1 581.6 sparrow hawk. 582.8  
 meadowlark. 584.4 Umatilla River. 588.6 rough-  
 legged hawk. 589.9 rough-legged hawk. 596.3 rough-legged  
 hawk. 597.2 2 ♂ pheasants. 598.0 rough-legged hawk. 599.5  
 rough-legged hawk. 600.7 rough-legged hawk. 604.2  
 12 horned larks. 605.7 rough-legged hawk. 606.0 rough-  
 legged hawk. 53611.5 Butter Creek Complex Camp at  
 4:15 P.M. 220 miles today. All day under heavy storm  
 clouds until W of range near Meacham when clear sky  
 above abruptly contrasted with dark cloud cover to E.

Butter Creek Camp, jct. 84-207, Umatilla Co., Oregon  
~~see map number previous~~  
 Dec. 6, 1985


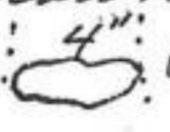
Left 53611.2, 9:25 A.M., temp 32°F. yellow-shafted flicker at  
 camp. visibility 1/5 of a mile, rained last night, road icy this  
 A.M. Exit 180 to Umatilla on 84 at mileage. 614.0 617.1  
 Morrow Co. line 622.4 one mallard duck on road and a  
 second one about to land. Had confused the icy roads a water  
 621.5 approx. 50 red-winged blackbirds on shoulder of road,  
 meadowlark. 629.0 meadowlark. 633.3 mule deer road kill.  
 and one roughlegged hawk. 634.9 rough-legged hawk. 639.7

meadowlark. 640.2 meadowlark, temp 32°F, elevation approx. 100 ft. 645.5 Gilliam Co. line. 646.6 first bay from Columbia River, some ice. Can just see other side of Columbia River thru the fog. All ground covered with snow. 656.2 29 mallards generally distributed in river (Columbia). 657.4 middle of bridge at Arlington. 661.0 horned lark. 662.4 sparrow hawk. 663.9 2 roven flying down river. 667.4 sparrow hawk. 668.7 roven. Columbia River mirrorlike. 672.7 sparrow hawk. Occasionally a duck on the river. Could be the eared grebe. Up to this point observed approx. 400 rock pigeons all the area of cliffs bordering the river. They were all sitting on the railroad tracks of the U.P. line, and grouped in 2 or 3 to 40 individual flocks. They were far removed from habitation of man and were probably using the cliffs for nesting in summer. 676.4 first western grebe observed; magpie. 677.1 magpie, roven. Have not observed deer tracks in snow. 680.7 magpie. 681.2 middle of bridge over John Day River, temp. 34°F at 11:25 A.M. water surface rippled as we approach dam area, all other areas mirrorlike. 683.6 John Day dam. water below dam moving with a current. 686.9 localized group of ducks (100 or so). Eared grebe. Ice falls on cliffs to S. Cormorant. Coot. waters at Mary Hill bridge are now mirrorlike. Exit 104 to bridge (Mary Hill) at 691.4 at overpass. Approx 30 ducks below bridge. Of the waterfowl observed so far 90% are coot, 8% are mallards and 2% are buffle head, Barrow golden-eye and other unidentified species. up to 695.8 there have been 3,000 coot. One group of 800. Ducks increasing in number including 1 great blue heron, 4 gulls, 8 cormorant and 20 mallards, and hundreds of coot. Second western grebe so far. First gulls flying up river (2). Exit 97 at 698.8, Celilo Falls. Landlocked ponds along river are in ice. Columbia free of ice. 700.1 bridge across river (railroad only). 700.8 1 group 1000 lesser scaup. 702.5 8 hooded merganser. The general picture of ducks on the Columbia has been: upper reaches only an occasional duck but now groups of several hundred are always in view. 703.9 first Canada geese (12) and a magpie. The lower down the river the more ducks, and in this area approx. 1000 per 1/2 mile.

about 8:30 A.M. from area C to railroad grade, thence SW to chipmunk trail, to near Agate Creek, thence return to railroad trail via a secondary trail & then back to camp.



made the following observations:

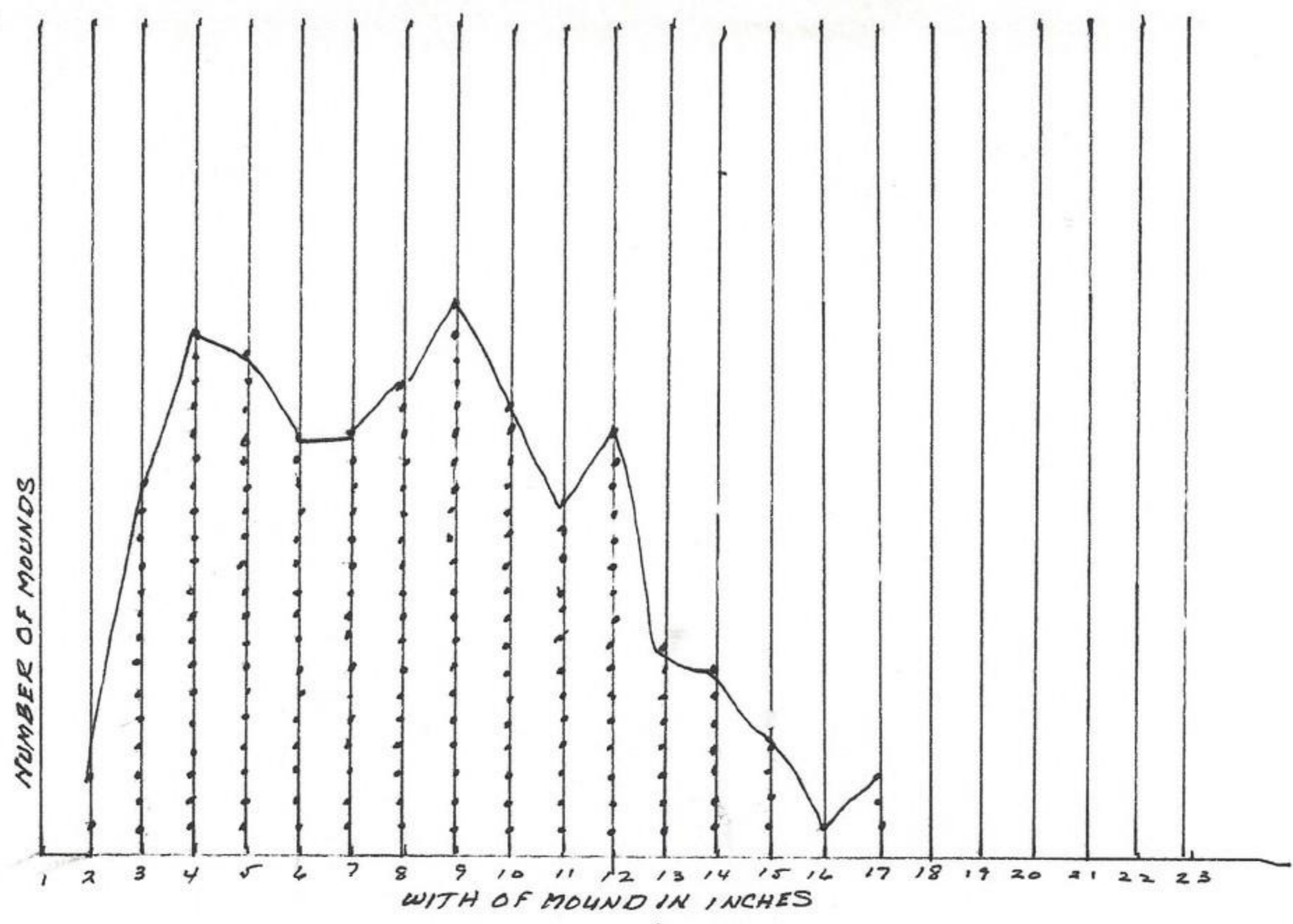
1. Surface of flat trails covered with red alder leaves covering soils and supersaturated.
2. Grey Ruffed grouse in trail.
3. group of golden-crowned Kinglets feeding progressively thru alder and other secondary forests.
4. black-tailed deer (mule deer) tracks in 30% of trail since last or during last rains.
5. moles active. Some mounds pushed up rather than soil removed and extruded as leaves still covered original surface of soil .
6. Foam from flowing water in trails rare and then only 3-4 inches accumulated . Some steep trails eroded to clay soils, most with running water.
7. alder leaves flat on ground in exposed areas, and edges curled in areas protected by cedar.
8. limbs fallen across trails. A good project would be to set up a measured course of trail and then count the numbers and size and kind of limbs across trail. An aspectual study for a year would show condition of forests and for a period of 10-15-20 years would show growth and or deterioration of the forests.
9. Observed 4 dark-eyed juncos (Oregon race).
10. Informant with T.T. says that Coyotes are common and howl nearly every night. Black bear in area and occasionally observed by members of the camp. Cougar not here but in high country to E. Bobcat in area and occasionally observed, no elk in area.

707.8 opposite the Dalles Dam. Exit 87 to Dalles bridge (over)  
 709.3. 714.2 Leaving <sup>the</sup> Dalles. yellow-shafted flicker, <sup>(pass)</sup>  
 there are noticeable fewer ducks below the Dalles dam than  
 above, some <sup>long</sup> stretches without water fowl. In fact  
 727.2 gull, otherwise waterfowl are rare. 729.0 Hood  
 River Co. 729.8 first ducks for since the Dalles Dam.  
 They include 1 eared grebe, 6 buffle-headed duck, 8 hooded  
 merganser and 12 Barrow golden-eye. 732.3 opposite  
 Hood River bridge. Lunch at Hood River. 12 Canada  
 geese and 12 mallards feeding in hay. First northwest  
 crows <sup>(12)</sup> feeding in parking lots near river. 739.3  
 beginning of increase of ducks in river. 739.6  
 Steller Jay. From Hood River W, increase fog and rain.  
 745.7 Duck population heavy along river and  
 equal to the population above the Dalles Dam.  
 747.4 2 Steller jays. 750.5 first lumber rafts along river.  
 Exit 44 Cascade Locks at 752.0, 755.2 Multnomah  
 Co. Exit 40 Bonneville dam at 756.8. Fog and rain all the  
 way down Columbia River from Hood River. 762.9 where river  
 runs along side of road (3 miles), no ducks or waterfowl in  
 river. 766.1 Multnomah Fall, in ice. 777.7 decidedly  
 less snow on the ground, just <sup>isolated</sup> remnant patches, where wind  
 accumulated extra depth of snow. The Columbia River Gorge  
 definitely holds the fog (less at Hood River and also beyond  
 western mouth of the Gorge). Temp. 39°F. 791.4 middle  
 of first channel of Columbia River, <sup>(highway 306)</sup>  
 792.6 middle of main  
 channel of Columbia River. Temp. 44°F as we approach Vancouver,  
 Washington area. no snow in Vancouver area. 52803.8 now  
 on Interstate 5. 3 Brewer blackbirds, 5 northwest crows in  
 field. 3:25 P.M., temp 44°F. Sunset is scheduled for about 4:10  
 P.M. so lighting conditions are weakening, as well as a con-  
 fusing highway traffic. 814.6 E. Fork Lewis River, muddy.  
 Rough-legged hawk. 831.6 2 rough-legged hawks. Ice on  
 many pond. End of census. 53875.6 Thousand Trails  
 Camp. Weather, today, has definitely influenced census  
 enroute.

Thousand Trails Preserve, (Chehalis Preserve), Lewis Co., Washington.  
 Dec. 7, 1985

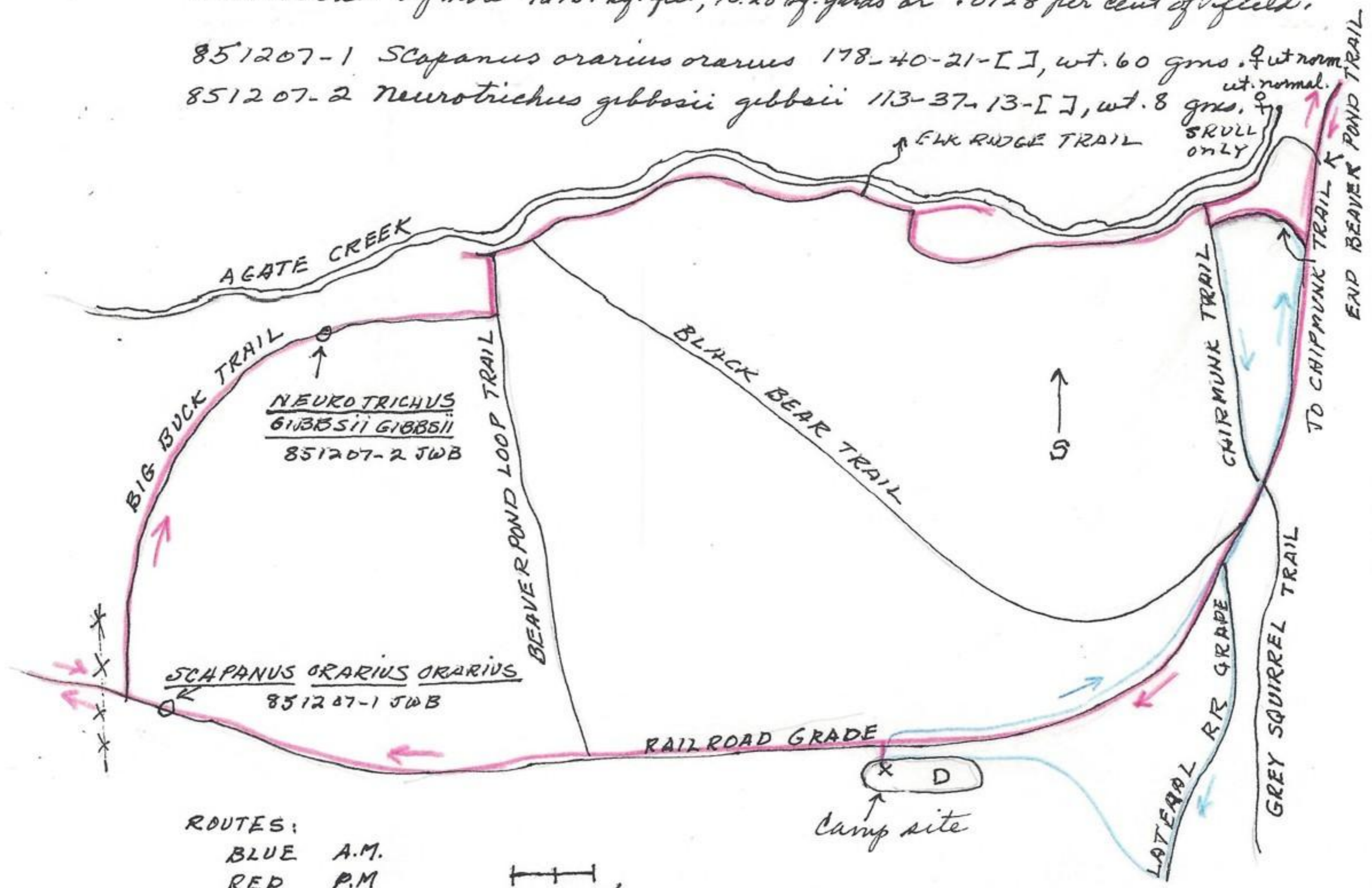
The rain of last night stopped early this A.M. and occasional rain  
 to 9:00 A.M. then clearing skies. Temp. 40°F. Took short hike

MOUNDS OF COAST MOLE SCAPANIUS ORARIUS ORARIUS



60 x 120' area. or 7200 sq. feet.  
 Area covered by mole 92.51 sq. feet, 10.28 sq. yards or .0128 per cent of field.

- 851207-1 *Scapanus orarius orarius* 178-40-21-[ ], wt. 60 gms. ♀ ut norm.
- 851207-2 *Neurotrichus gibbsii gibbsii* 113-37-13-[ ], wt. 8 gms. ♀ ut normal. SKULL ONLY



ROUTES:  
 BLUE A.M.  
 RED P.M.

0 100 200'  
 SCALE

This P.M. made trip on trails as indicated. Day has been cool, <sup>42°F</sup> broken sky and occasional blue sky. Left to E on old railroad grade to fence and then 2/10 mi beyond and returned and descended by Big Buck Trail to base of Beaver Pond Loop Trail. In hollow at edge of Agate Creek noted a single winter wren. River high almost to banks. Beaver activity of cleaned stems and branches. Trails inundated along river trail. Beaver eating mostly alder. 2 ruffed grouse. Beaver dams across stream all gone and using bank houses. River can be soundless as it flows by or noisy at log jams where water cascades. One fresh deer track measured 77 mm. more deer here than higher on slopes. 2:35 where Beaver Pond Trail returns to river a log jam collected 3-4 sq yards of twigs & limbs cleaned by beaver. no human trash. Some cuttings of salol and segments of bracken fern in trail. The farther down stream the greater the beaver activity. This visit shows about 10x more beaver activity than on previous trips here. of former years. Some cutting 100' from river. Temporary dams constructed in <sup>shallow</sup> side drainage (2'-3' wide) to facilitate removal of limbs to river. now at junction of Chipmunk junction. at 2:45 P.M. Rufous-sided towhee here. Trails all in standing water, some knee deep. Continued w to point where river flooded trail and formed lake beyond. Could not ford this section of the trail so returned and took trail that converges with Chipmunk trail. This trail was traversed this A.M. and at exactly the same spot flushed 2 ruffed grouse. Continued w on R.R. grade for 1/2 mile and returned. At one point an alder arched across trail 4' high. a red tag marker was fastened on the arch. The mule deer walked out around the arched limb beyond the trail and then returned to R.R. grade. as if intentionally eroding the colored marker. Back to camp at 3:45 P.M.

Chahalis Thousand Trail Preserve, Lewis Co., Washington.  
Dec. 8, 1985

Left 9:00 A.M. at 53876.0. Partly blue sky, temp 38 at 6:00 A.M., 32°F at 9:00 A.M. Only snow on ground is remnants from snow cleared from road. Forests clear of snow. Clear here but fog in valley below. Just outside camp, yellow-shafted flicker at 878.5. 60% of fields

have diggings of Scapanus orarius orarius, many in line with spacing about 1 1/2 - 2' apart. 888.0 yellow-shafted flicker. 2 mourning doves. 888.8 now on Interstate 5. 886.0 2 crows, 1 crow (Common crow). Temp. 38°F 889.0 crow, Unusual flooding of fields from last rain. Eared grebe. 889.1 Crow. 889.2 2 crows. 893.6 <sup>2</sup> crows, 5 ducks. 898.6 Thurston Co. 906.6 2 crows. 921.8 crow in Olympia area. Remnant patches snow in fields at a few miles S of Olympia. 924.4 Crow. 925.6 gull. 928.5 Nesqually River, water clouded, Pierce Co. line. Fog lifted 10:30 A.M. Exit 120 at Fort Lewis at overpass, 934.6 at 10:37 A.M., <sup>2</sup> crows. 942.6 2 gulls, 2 gulls. 945.6 middle Tacoma, 8 gulls. 946.4 bend freeway to E. 5 crows, 3 crows. 951.5 4 gulls. 951.8 red-tailed hawk. 953.6 King Co., 954.4 Crow. 957.1 2 crows, 3 crows. 943.4 Des Moines, 2 gulls. 965.4 2 gulls. 969.1 now on 405. 972.3 6 gulls. 976.3 gull. 982.6 <sup>5</sup> gull. 983.5 2 crows, 985.2 Kirkland Co., 992.8 now ~~822~~ at noon. 995.0 Snohomish Co. 54 003,8 Chris & Steve home at (21231 E Last Lake Rd.) <sup>at 12:15 P.M.</sup> Trip from Lawrence, 2276.2 mi.

Last Lake, Snohomish Co., Washington  
Dec. 9 to 13, 1985

Worked on Chris & Steve's house at 21231 E Last Lake Rd, Snohomish Co., Washington. Started with walls of first floor <sup>and part of walls</sup> already in place and completed second floor floor, <sup>1</sup> walls!

Dec. 14, 1985

Photo of house as we completed end walls.

Photo 851214-1 west end wall (1/2) in place and second half ready for placing in position.

Photo 851214-2 Steve checking condition of board.

Photo 851214-3 Steve putting final nail in second end wall.

Photo 851214-4 Steve sawing board with windows (E) showing area to E with Cascades in distance. Monroe in line with peaks to left.

Photo 851214-5 Picture view to E thru dining room window. From kitchen.

Photo 851214-6

Dec. 15, 1985

Photo 851215-1 scenic view to E of valley benchland now

in pasture.

851215-2 general view to E from house with old stump to right.

851215-3 E end house (on stump!).

851215-4 Structure view of house.

851215-5 General view to E. across ridges & valleys.

Started interior walls of second floor.

Temperatures below freezing first few days, then moderation with frozen ground thawing the last few days. Ice in depression W side house entire period.

Birds observed from house during period of stay. (Dec 9 to Dec 15, 1985).

Gull (overhead)

American Crow. (overhead)

bushtit.

Chestnut-sided chickadee

dark-eyed junco (Oregon race)

rufous sided towhee

rufous-crowned Kinglet.

golden-crowned Kinglet

winter wren

Bewick wren

Lost Lake, Snohomish Co., Washington

Dec 16, 1985

Finished interior room walls today.

Dec 17, 1985

Left this A.M. Dan and Steve to receive trusses today (afternoon). Followed High Bridge road to Monroe. At about 5/10 mi. N of Lost Lake noted 2 deer crossing road. They were very conflicting. In river valley S of Monroe observed 2-3 mew gulls, generally dispersed in the fields. The white in outer tip of wings is noticeable. They walked with necked sloped to posterior & head held high (with dignity). Sparrow hawk in same area. Continued 2 west to 9 thence N to Maryville and thence 530 to La Conner. no herds except a few small groups of unidentified birds. Arrived La Conner Preserve (Thousand Trails Camp) at twilight.

noted 4 great blue herons, 1 marbled murrelet and 2 red-throated loons.



an informant gave me a list of birds observed here today.

great blue heron  
 double-crested cormorant  
 american widgeon  
 american crow  
 rufous-sided towhee  
 dark-eyed junco (Oregon)  
 red-throated loon  
 hooded merganser  
 western grebe  
 horned grebe  
 white-winged scoter  
 surf scoter  
 bufflehead  
 goldeneye, common  
 belted kingfisher  
 black oystercatcher  
 black turnstone  
 European widgeon  
 marbled murrelet.

La Conner Preserve, Skagit Co., Washington  
 Dec. 18, 1985

Daybreak with cloudy skies approx. 7:30 A.M. Temp. 39°F.

Checked birds at camp. (site 164). Gulls called earliest of birds:

(numbers are average for any moment, but can vary from 0 to 3 of the number. nos 1-2 are entire number observed for period of entire observation)

2	great blue heron	2	common loon
12	Common goldeneye	3	Chestnut-backed chickadee
8	american widgeon	2	hooded merganser
1	marbled murrelet	2	bufflehead
2	pigeon guillemot	1	ruddy duck.
1	western grebe	1	Bonaparte gull
1	red-throated loon		Ended observation 10:00 A.M.
2	american crow		Thayer gull displaced <sup>common</sup> goldeneye
2	northwestern crow		Goldeneye + red-breasted merganser
2	double-crested cormorant		hunted water in unison.
4	horned grebe		Tide going up all morning to at
3	herring gull		least 10:00 A.M.
18	surf scoter		Am. widgeon feed near shore.
1	winter wren		Thayer gull carried fish from
1	rufous-sided towhee		near Hope Island to water 2
5	red-breasted merganser		feet from shore at camp. + all time to W.
1	belted kingfisher		High tide approx 11:00 AM. Covered beach

when common goldeneye dive, the tail is expanded and used to force bird down. They feed out from shore in depths suitable for mallards. (line 50')

Other lists of birds observed by <sup>T.T.</sup> members at other times of the season

On Sept. 12, 1985 (morning): snow geese (30), great blue heron, common crow, robin, starling, ring-billed gull, glaucous-winged gull, common loon, double-crested cormorant, belted kingfisher, horned grebe, western grebe, black scoter, surf scoter, american widgeon, black turnstone, hooded merganser, pied-billed grebe, red-breasted nuthatch, winter wren, Lincoln sparrow, golden-crowned kinglet, killdeer.

On Sept 20, 1985: great blue heron, ring-billed gull, common loon, horned grebe, pied-billed grebe, western grebe, double-crested cormorant, surf scoter, white-winged scoter, belted kingfisher, common crow, american robin, starling, chestnut-backed chickadee, red-breasted nuthatch, pine siskin, hairy woodpecker, killdeer, Oregon junco.



La Conner Preserve, (Thousand Trails), Skagit Co., Washington.  
in ~~run run~~ ~~run run~~ ~~run run~~  
Dec. 19 1985 (to 10:30 A.M.)

Overlooking Skagit Bay from site 164. At 8:30 A.M. tide <sup>already</sup> coming in (ebb tide). water like a mirror, fog obscures visibility beyond Hope Island. Birds in area:

great blue heron  
american widgeon  
bufflehead  
double-crested cormorant  
common goldeneye  
surf scoter  
american crow  
northwestern crow  
common loon  
horned grebe  
red-breasted merganser  
ring-billed gull.  
glaucous winged gull.  
western grebe  
Barrow's goldeneye (4♂ 1 female)  
pelagic cormorant.  
savanna sparrow.  
song sparrow

numbers  
There are fewer birds in area than yesterday morning. also there are more birds (numbers) earlier in morning than later in morning.

Bewick wren  
winter wren

(the one with 3 ♂♂s)  
 Female, Barrow's goldeneye has yellow bill in contrast to black of males. Barrow's goldeneye head with head  common more perpendicular . Profile of head not noticeably different.

Pelagic cormorant head and neck all black, thin bill, neck is perpendicular to water and straight, head & bill horizontal and 90° to neck, most of the time.

Water, top of reptile head at 11:10 A.M. and at base of stick marker. At high tide, kelp beds between here and Hope Island disappear. Tide maximum approx. 11:20 A.M. <sup>Flow</sup> at 11:29 A.M. dropping about 1/2" from maximum. At 11:34 down approx. 3/4 inch. Water, as always moving W past beach below Barth. Out waters move E or W according to ebb or flow. At 11:40 reptile head being exposed. At 11:45 minor reptiles 60' out from shore and going W. Although tide down an inch or so from stake, the waters are moving faster all across channel. All birds facing <sup>E or W</sup> in moving waters. Long meandering lines E-W of smooth water are used (edges) by ducks. These ducks (widgens) are moving W with current and are feeding on surface only. 12:02 tide still moving W on what would be considered flow. Apparently the flow of water reverses sometime after maximum high. 1:11 P.M. currents to beyond kelp (middle channel) going W. Some beyond may be going E. Tide out 10' from shoreline below Barth.

Surf scoters ~~are~~ mainly observed in middle of channel between here and Hope Island or in middle of Skagit Bay to SE or E, as are the common loon and cormorants.

Water in Skagit Bay at ebb almost mirrorlike and not much evidence of <sup>tidal</sup> movement. Just before maximum high water flow increased as it flowed to W. This continued to increase all during what would be considered slack water. Slack was continuous rise to maximum then without pause began flowing. Tidal movement & maximum high are not synchronized.

Dec. 20, 1985 (all observations will be within 150' of water line)

7:30 A.M. fog, visibility 150', temp 37°F, slight ripple on water, wind from SE. At 7:30 A.M. tide already ebbing. First gull <sup>flying E at</sup> 7:45 A.M.  
 7:50 great blue heron alighted on emergent rock approx 20' out from edge of water. (1 1/2' high), checked rock then hunched neck on shoulder and rested. 7:55 first common goldeneye (2), 7:56 first Am. widgen (1), 7:58 1 common goldeneye & gull flew W. 8:05 horned grebe, gull swam E.

can only see herd out to approx. 150' 8:08 common golden eye.  
 8:10 2 common goldeneye, 8:11 gull to E. 8:12 great blue  
 heron adjusted itself on rock. 8:15 2 red-breasted mergansers  
 flew E. 8:16 2 mergansers (red-breasted) swam E. 8:19 horned  
 grebe, common goldeneye swam W. 8:22 gull W. 8:23 gull W.  
 8:24 gull W., gull W. 8:26 horned grebe to E, 8:29 common goldeneye  
 to E. 8:30 gull W., gull west. 8:31 2 common goldeneye to E.  
 8:32 common goldeneye flew W. 8:35 great blue heron rock just disappeared  
 with ebbing water; herd remains; gull flew W., common goldeneye to E  
 and gull to E. 8:40 2 Am. widgeons fed W at edge water, gull E.  
 8:41 horned grebe; common goldeneye. 8:45 5 Am. widgeon fed W  
 along edge water, 3 others to W 150' out., 1 horned grebe W. 8:46  
 common goldeneye E. (E = swimming toward the E). 8:47 common  
 goldeneye 10' from shore and creating considerable water disturbance  
 when under the shallow water, stay under water 8-10 seconds; 2  
 common goldeneye in deeper water (approx 3' deep) stay up to 15 secs.  
 8:52 water to ankle of great blue heron on rock. 8:59 Am gull to W.  
 9:02 common goldeneye to E. 9:06 great blue heron left. Turned  
 W in direction of flight before leaving. 9:09 common goldeneye  
 flew west, gull flying to E., common goldeneye to W (= swimming in  
 the direction of W.) 9:13 gull to E flying (all gulls in air except  
 those indicated as swimming. 9:17 common goldeneye to E flying. 9:33  
 no birds since last recorded. at this moment there are 2 masses (3')  
 of seaweed, 2 sticks (2" dia) and 4 help fragments passing by <sup>to W</sup> in area  
 being censused. 9:37 gull to E. all gulls are immatures except 2,  
 most of time water relatively clear of floating debris. 9:38 gull to E  
 9:43 2 ♂, 1 ♀ Barrow goldeneye to E. (the female with yellow bill and  
 may be part of same group (4) observed yesterday. 9:51 gull and  
 common goldeneye to E. 9:58 3 Am. widgeon to E. Degree  
 of fog same all morning. Some ripple surface moving in but no  
 change of fog. white foam rare in water. Some fog blowing onto shore.  
 10:06 gull to E. 10:07 3 Am widgeons to W. 10:15 24 Am. widgeon  
 in one group passed by going E., 2 ♂, 1 ♀ Barrow goldeneye to E (same  
 group with yellow-billed female. Fog lifting slightly and distant  
 ducks outside look as if they were swimming above the level of water.  
 10:20 2 Am. widgeon to E. 10:23 5 Am. widgeon to W. 10:24 2  
 Am. widgeon to W. 10:26 3 ♂ 2 ♀ red-breasted merganser to W, 5  
 Am. widgeon to W. 10:29 6 Am widgeon to W. 10:35 3 ♂, 3 ♀ Barrow  
 goldeneye, close group, no interaction between ♂'s or toward females  
 all females with yellow bill. 10:39 common goldeneye flew W.  
 10:44 2 Am widgeon to W. 10:50 2 Am. widgeon 11:01 gull to E.  
 11:17 (11) red breasted mergansers flew E 11:53 457 mallards.

Birds observed this A.M.:

great blue heron  
 american widgeon  
 common goldeneye  
 Barrow goldeneye  
 horned grebe  
 red-breasted merganser  
 american crow.

The red-breasted merganser is in courtship behavior at this time. The following is of males repelling males near a female. The head and partly open bill is thrust downward or outward at  $45^\circ$  angle to water and then raised upward to perpendicular angle and stretched, then brought down <sup>on</sup> a curved neck and <sup>outward</sup> bill at  $130^\circ$  with neck and breast partly submerged and with a quick movement brought back to up and outstretched neck & head with bill held open. at times the ♂'s will plane on water for 5-10' toward another male. Female noncommittal. as a result there is more action in a group of red-breasted mergansers than other kinds of aquatic waterfowl.

As tide approaches high tide (10:52) the water is moving W at an increased velocity and surface turbulence. Degree of turbulence is variable from almost smooth surface to turbulence. now at 11:04 water smooth (visibility now 200') but clearing up again.

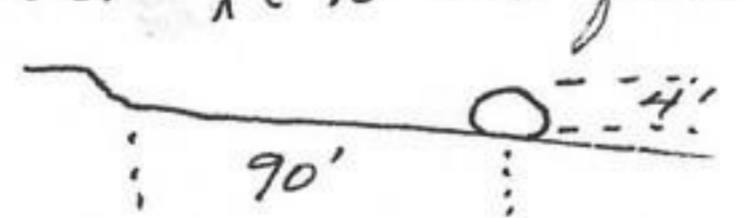
At 11:54 <sup>fog lifted temporarily</sup> 457 mallards in long raft approx 1/2 way across Shagot Bay in line but beyond census area. all facing in coming tide from the E. 321 am. widgeon accompanied the mallards and kept their own group identity. By 12:10 they had moved 1/2 distance closer to N shore. By 12:12 the raft increased by including birds to approx. 8,000 <sup>to 10,000</sup> mallards and 1500 am. widgeons. most of these birds arrived under cover of fog. all ducks moving E against current, by steady paddling. If one stops swimming the current rapidly carries it to W.

High tide 12:20 P.M. no slack period. Approx 1 foot lower than yesterday.

End census 12:25 P.M.

Visited Anacortes this P.M. Fog all way especially at S end of bay E of Anacortes.

Dec. 21, 1985

From Barth at site 164, (T.T.). at 7:30 A.M. Goldeneye (Barrow's already active. Fog patchy but can see Hope Island. N end of this island fog to water but E part less fog. Selective observations this A.M. at 7:40 A.M. 9 Barrow goldeneyes (1 ♂, 2 ♀) swam by. The two species of goldeneye keep separated. Barrows more gregarious. The common more dispersed and occasionally a single bird will feed along for 20-30 minutes. Horned grebes generally feed along, pairs not uncommon, three or more unusual. Great blue heron arrived at "heron rock" <sup>at 7:50</sup> (90' out from head of beach, and 4' high from ground)  and displaced a juvenile herring gull. The heron when standing with head & neck hunched into shoulders is the same height as the rock at tide level. Heron rock <sup>[yesterday at 8:35 or 31 min earlier]</sup> covered at 9:06 AM. 6 black-oyster catchers at 9:08 gazing along edge water (on shore) to E. Did not feed on bird feed. 9:11 6 cranes, american feeding on bird seeds. 9:16 8 lesser scaup swam to E 10' from shore. 9:25 13 american crows at bird feed which yesterday was placed in a row from "heron rock" to head of beach. Am. widgeon swam thru floating bird seed and was not interested. 9:35 18 American crow at feed. 9:37 heron, crows, ducks left as a woman approached shore. We have had no interference from people up to this incident. 9:39 crows now returning after women left. American crows fed to 10:00 A.M. and although there was bird seed left they departed and were not seen again until 10:58. Fog variable this A.M.

Birds in area:

double-crested cormorant, red breasted merganser  
 Barrow's goldeneye  
 common goldeneye  
 american widgeon  
 horned grebe  
 great. blue heron  
 Thayer's gull  
 herring gull  
 malleard  
 raufous-sided towhee  
 song sparrow  
 dark-eyed junco (Oregon race)  
 Bewick wren  
 american crow.

american widgeon do not feed on bird seed (milo etc) and when going over submerged grain react as if it were foreign and will rapidly turn away.

when 2 male american widgeons fought in water near shore the group of 8 american crows reacted by leaving area but returned immediately.

Rufous-sided towhee displaced song sparrow at feeding area.

at 3:15 P.M. harbor seal fun w to E surfacing & diving alternately.

Head spotted.

at 3:24<sup>P.M.</sup> "heron rock" being exposed on flow.

Dec. 22, 1985

at 7:00 A.M. 34°F, fog, daybreak in progress. 7:30<sup>A.M.</sup> a great blue heron on rock at flow. First birds 2 cared grebes at 7:33. 7:38 common golden eye and a gull (herring?). 7:46 Barrow's goldeneye nest of species recorded this A.M. noted for first time the courtship? of this species. The males thrust heads <sup>forward</sup> out, then upward with head perpendicular, somewhat suggesting the red-breasted merganser. The female follows directly behind male as they all move forward, swing front of body & head from right to left, rather emphatically. Males will replace males with the ♀ the center of attraction. 7:51 crow (American) arrived. The Barrow's bufflehead males also have a side to side turn of the head (only) as they precede the female. When in rear of female the male will stretch head and neck forward on water level. 7:55<sup>A.M.</sup> american widgeon. 8:02 A.M. red-breasted merganser. 8:33 tide ebb. 4 ♂ red-breasted merganser pursued a ♀ red-breasted merganser who had a fish in its bill. when a ♂ would dive to emerge nearer the female, the female would plane out of reach. 8:53 immature bald eagle from SE, thence directly over Barth and alighted in top of conifer tree. American Crows, Barrow's goldeneye, did not react to eagle at 60' overhead. 8:54 black oystercatcher alighted on "heron rock". First group 12 starling in area. 26 Am. crow on beach below. 9:04 tide ebb, "heron rock" approx 10' from top. Surface Skagit Bay smooth, kelp moved pass to E at 300' out. Kelp beyond stationary but show currents mainly from W but some from E. no debris in water near shore at 9:12 A.M. 9:39 first Kingfisher to fly by since 18th. "Heron rock" just covered 9:44

Checked birds W of Lone Tree and as far north as property line of T.T. Preserve. 10:30 To 12:30, Birds are: (area about 1/3 across bay)

- |    |   |   |                        |
|----|---|---|------------------------|
| 2  | great blue heron  | 3 | golden-crowned kinglet |
| 70 | American widgeon  |   |                        |
| 1  | black oystercatcher   |   |                        |
| 23 | American crows  |   |                        |
| 1  | killdeer  |   |                        |
| 12 | Thayer gulls?   |   |                        |
| 2  | ring-billed gulls   |   |                        |
| 12 | huffleheads   |   |                        |
| 7  | Barrow goldeneyes   |   |                        |
| 11 | Common goldeneyes   |   |                        |
| 1  | Wilson snipe  |   |                        |
| 2  | hooded mergansers   |   |                        |
| 3  | white-winged scoters  |   |                        |
| 32 | surf scoters  |   |                        |
| 2  | winter wrens  |   |                        |
| 1  | belted kingfisher   |   |                        |
| 65 | ruddy ducks, one group, sleeping, all but 8 with tails upright at an angle. |   |                        |
| 2  | King eiders, ♀'s.   |   |                        |
| 17 | bluets  |   |                        |
| 1  | chestnut-backed chickadee   |   |                        |
| 22 | glaucous-winged gull  |   |                        |
| 2  | double-crested cormorant  |   |                        |
| 5  | horned grebe  |   |                        |
| 2  | western grebes  |   |                        |
| 3  | savanna sparrow   |   |                        |
| 1  | song sparrow  |   |                        |
| 3  | dark-eyed junco (Oregon race)   |   |                        |
|    | Total 28  |   |                        |

The other 2/3 of bay had most of the aquatic birds and 5 times the number, especially common goldeneye and surf scoters.

Approx time of high tide 2:15 P.M. & about 1 foot below high tides of 3-4 days ago. First brilliant <sup>since Dec. 17</sup> day, blue sky in afternoon. Raccoon tracks along beach measured 60 mm front and 92 rear foot.

The hufflehead ♂ bobs head rapidly up & down when defending a female with other ♂ huffleheads near.

3:47 P.M. water just exposing "heron rock" on flow tide.



Birds observed at La Conner Preserve between Dec. 17-22, 1985  
(compiled from previous notes of those dates).

great blue heron  
marbled murrelet  
red-throated loon  
common goldeneye  
american widgeon  
pigeon guillemot  
western grebe  
American crow

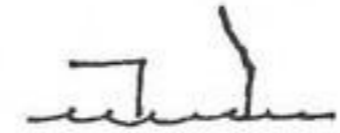
wilson snipe  
king eider  
bushtit  
golden crowned kinglet;

northwestern crow  
double-crested cormorant  
horned grebe  
herring gull  
surf scoter  
winter wren  
rufous-sided towhee  
red-breasted merganser  
belted kingfisher  
common loon  
chestnut-backed chickadee  
hooded merganser  
bufflehead  
ruddy duck  
mew gull  
thayer gull  
ringed-billed gull  
glaucous-winged gull  
Barrow's goldeneye  
pelagic cormorant  
savanna sparrow  
song sparrow  
Belwick wren  
white-winged scoter  
american robin  
mallard  
dark-eyed junco (Oregon race)  
bald eagle  
starling  
black oystercatcher  
Killdeer

Total 43 species

851223-57

La Conner Preserve, Thousand Trails, Skagit Co., Washington  
Dec. 23, 1985

Daybreak 7:00 A.M. (visibility for detail about 100'), temp. 38°F, sky clear, one local fog bank disappearing to S. First birds 2 common goldeneye near shore. As light increasing scanned bay in all direction and counted only 2 other aquatic birds. At 7:05 2 American widgeon arrived. It is obvious that the bay is not used by birds in the daybreak period. At 7:15 A.M. other birds were moving into area. At 7:30 counted 45 birds including gulls, cormorant, scoters, goldeneye crows. At 7:20 first dark-eyed junco followed by song sparrow & reufous-sided towhee within 5 minutes. Top "heron rock" at flow at 7:57 A.M. at 8:00 A.M. counted 68 birds in bay (generally distributed). 8:30 2 bald (adult) eagles alighted 100' high on SE point of Hope Island. at 8:50 eagles still in tree. Low tide somewhere between 9:15-9:30 A.M. "Heron rock" exposed to about 10" then resubmerged. Golden-crowned kinglet at camp. 9:50 bald eagle (adult) back on some tree as the two this morning. 9:51 common goldeneye dove for 27 seconds, 26 seconds, 26 seconds. Barrow goldeneye dove ♀ 11-16 sec., ♂ 8 sec (near shore). <sup>Turbulent</sup> Tide going out, but on ebb as far as rise of water is concerned. Red-breasted merganser, 21 sec dive. Horned grebe 34 sec dive, 28 sec. dive. Barrow goldeneye definitely more gregarious than common goldeneye. The Barrow's will ride 2 or 3 apart then at times disperse to 10-15 feet, when Barrow's goldeneye (♂) bob head up and down the bill will range from horizontal to 80°  To get bill 90° the head is thrown back.

"Heron rock" just submerged at 10:27. Barrow's goldeneyes have been working around this submerged rock. Female Barrow's goldeneye chased ♂ common goldeneye. Left at 10:45 for Chris'. Just before leaving a pigeon guillemot duck flew w just over water surface.

21231 E Lost Lake Rd, Snohomish Co., Washington  
Dec. 25, 1985

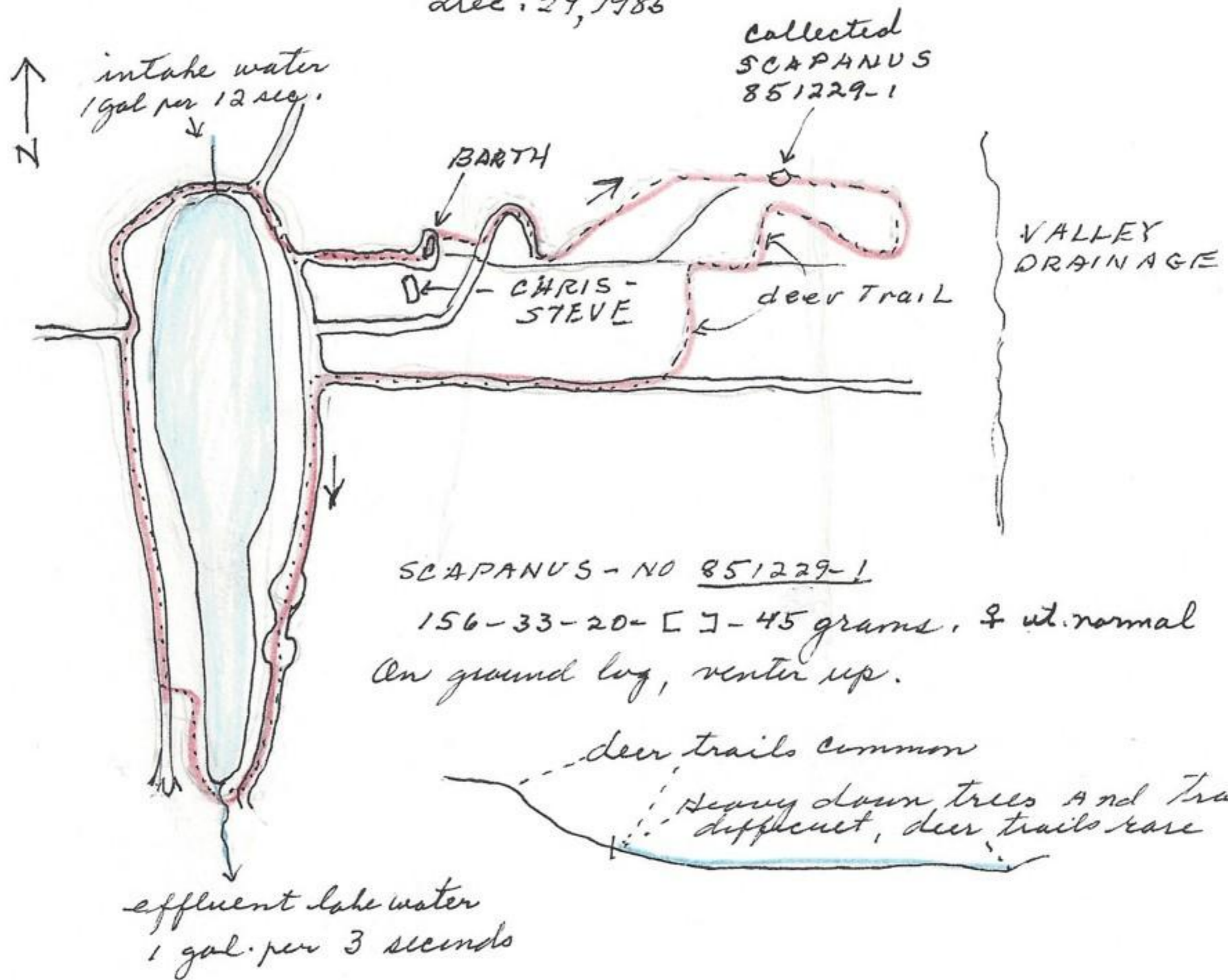
Christmas with Chris & Steve.

Dec. 27, 1985

Photo 851227-1 Frost covered plant on old conifer stump.  
Photo 851227-2 S side building  
Photo 851227-3 SW side new home of Chris & Steve.

Photo 851227-4 Chris & Mathew at mobile home.

21231. E Lost Lake Road, Snohomish Co., Washington  
Dec. 29, 1985



Dec. 31, 1985

Annette, Chris, Matt and I to Orcas Island to check real estate. (Miss Janet Merry, Coldwell Banker) visited 5 house and property sites, east of E. Sound. 84 miles from Chris' home at Lost Lake to Ferry at Anacortes. Approx. 2 hr drive. At Lopez ferry dock noted 6 hooded mergansers, 9 pelagic cormorant on poles at Orcas ferry terminal. Enroute noted glaucous wing gull, ring-billed gull, common goldeneye, surf-scooter and double-crested cormorant.