

Tuesday 19 Feb 74.  
Oberon Cond. - good.

## MOOSE SURVEY. SNARU-TREPU.

4763-82 Helicopters: Pilot; Tim Carswell. Observers; Hoefs; Lottie  
5.7 hrs. flying time.

(69) moose observed while flying the course plotted for  
Day #1 with noted minor variations.

Of this total, 9 were cows attended by a calf each which  
are included in total.

Point A - opposite the south end of Little Athin Lake, we  
observed 16 wolves on an open hillside, 9 were greys,  
the remainder black.

Point B - Happy Valley, a group of 21 wolves on a  
small lake, 6 greys the remainder black.

The area outlined in ink including area (A), was randomly  
courssed for moose segregations:

Results:

Total: 45      ♂ = 21      ♀ = 21      calves = 4

These moose are not included in the transect totals above.

Other animals observed;

2 mule deer, 1 wolverine, 1 red fox, 4 goshawks.

Wednesday 20, Feb 74.  
Obsv'n Cond. - fair

## MOOSE SURVEY

4763-82 helicopter (CF-QEQ) Pilot Kim Casswell. Observ: Heff, Lortie  
5.6 hrs of flying time.

(68) moose were observed while flying day #2 transects - minor variations. ~~at the lake~~. Three of these moose were seen between Jones, Squanga Lake on Little Athin Cr. Squanga Cr between the highway; the first big lake was flown for segregation (area D), area C was flown for similar purposes.

Results:

♂ = 8, ♀ = 19, calves = 5.

Unkbe yesterday

Other animals observed:

3 goshawks, 3 eagles, 1 wolverine, 2 lynx,

16 caribou (2 ♂, 7 ♀, 1 calf).

While flying the transects, an effort was made to account for fresh tracks in last winter snow. If a moose was seen he was recorded; if he was not seen this fact was also recorded. 15 different sets were observed with no moose observed. This may be useful in determining an estimate of the moose pop. for the area.

The Lubbock River above Torpu Cr.; the West side of Little Athin Cr was flown as a transect; 10 moose were seen, as were a no., perhaps a dozen, porcupines. The Lubbock River had a lot of fresh moose sign but few animals were seen.

Collected jaw of ♂ moose - kill

# MOOSE SURVEY

21 Feb '74

3 snow squalls.

Observation Conditions: excellent - poor.

Pilot: Kim Carswell, Observers: Hoops; Lonnie.

Flying time = 6.4 hrs

Moose observed on flight path - west of Teslin Lake, Teslin R., Squanga Cr., Cabin Lk.; Judas Cr. = (33), Tracks no moose = 19.

All moose seen east of Teslin Lake (Nisutlin) were segregated. Total = 163  
CUNNINGHAM ADULTS = 19, ♂ = 42, ♀ = 68; calves = 34 (incl one set of twins).

Segregations on west side of Teslin Lk. opposite Teslin Village (area E)  
Bulls = 5, ♀ = 10, calves = 3. (Included in total for 19, Feb).

Caribou seen: [2] on Mtn S. of Hayes Pt; [8] on Lake north of Squanga Lk.

Wolves - 20± north of Mt. Bryde. (probably same bunch seen two days ago in Happy Valley).

Other animals seen: 1 owl, 1 gos., 1 falcon, 1 eagle, 2 Harlequin;  
18 Goldeneye on Teslin R.

Remarks: Three yearling ♂ moose noted: one with antlers intact, 2, each with one antler.

Collected jaw of ♀ moose - kill.

MOOSE SURVEY WEST OF TESLIN LAKE.

Total observed on flight path = 163. + 45 (day<sup>1</sup> segregations).

Segregations:

| ♂        | ♀         | Calves.  | Calves survival to Feb.       |
|----------|-----------|----------|-------------------------------|
| 21       | 21        | 4        | 24 calves / 100 ♀♀            |
| 8        | 19        | 5        |                               |
| <u>5</u> | <u>10</u> | <u>3</u> |                               |
| 34       | 50        | 12       | 12.5% of total = recruitment. |

♂: ♀ = 68:100

*Handwritten notes: "Calves survival 70%", "W", "60"*

MOOSE SURVEY EAST OF TESLIN LAKE

Total observed on flight path = 163

| ♂  | ♀  | calves. | unknown adults |
|----|----|---------|----------------|
| 42 | 68 | 34      | 19             |

Calves Survival to Feb.

50 calves / 100 ♀♀

20.8% of total = recruitment

♂: ♀ = 62:100

# MOOSE SURVEY

(47 Series Bell)

DAY #1 60 mi @ 60 M.P.H. = 1 hr + 200 mi @ 60 M.P.H.  
= 3.3 hrs + 2 hr for classification = 5.3 hrs

5.3 hrs on survey can be completed by having a fuel cache near S. end of Little Atlin Lk.

DAY #2 200 mi @ 60 mi/hr = 3.3 hrs + 2 hrs for classification = 5.3 hrs. Fuel as before.

DAY #3 270 mi @ 60 M.P.H. = 4.5 hrs + 2 hrs for classification = 6.5 hrs. Fuel at Teslin

DAY #4 160 mi @ 60 M.P.H. = 2.6 hrs.

Total hrs. = 20.77 hrs. (18.8 actual)  
@ \$165<sup>00</sup>/hr = \$3427.05

\$75/day for three men x 3 days = \$225 Rm; bd.

Grand total \$3652.05

Range: 3 hrs (with 1 kg) = 180 miles @ 60 M.P.H.

Fuel Caches (47 series)

3 drums @ Little Allen Lk.

3 drums @ Teshion (agent).

4 drums @ Sabes Corner

This is enough fuel for 25 hrs.