

MAINTENANCE OF MOOSE COLLARS TO SUPPORT UNBC RESEARCH PROJECT

MOOSE ID: 15-5631 COLLAR ID: GSM18286

Moose Mortality Investigation #4, September 14 2016

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MOOSE MORTALITY GSM18286/15-5631

September 14 2016



SUMMARY

Moose ID: 15-5631

Collar number/ type: GSM18286 Vectronics

Sex: Male

Area found: Clarke area (58°26'58.44"N/121°57'47.32"W)

Frequency: 152.420

Cause of death: Not dead.

Date of decreased movement: September 10 2016

Date of investigation: September 14 2016

Investigation team: Sonja Leverkus, Harrison Dickie, Mike Lutsiak, Gillian Leverkus, Daniel Fehr.

ANIMAL BACKGROUND

- Initial notification of potential death by Caslys Consulting Ltd.: on September 13 2016 at 15h22.
- Movement for this collar appeared normal with decreased movement from 08/09/2016 8:01:23 PM to 10/09/2016 8:01:34 AM.
- No data received after September 10 2016.
- There were several 'dropped locations' (transmissions with no GPS locations) for this collar over the past few weeks.
- There were several small data gaps for this collar.
- The last received moose location was found based on the GPS point, but the moose and the collar were not found.
- The team was unable to locate the collar.

ADDITIONAL ANIMAL INFORMATION

- The same collared female moose (GSM18342/15-5596) from Mortality #3 was investigated en route to and from the Clarke area, however, she was not located.



Figure 1. Movement pattern for moose GSM18286/15-5631 as per Caslys Consulting Ltd.

METHODS

The last known point of the collar was used to provide location to travel to via helicopter from Fort Nelson. Aerial telemetry techniques were used to attempt to determine the location of the collar.

RESULTS AND DISCUSSION

The moose and its collar were not found, however, significant recent moose sign was present on the last recorded GPS location on the northwest corner of the lease site. A sample of fresh scat was collected on site, adjacent to the area with significant moose disturbance.

FIGURES



Figure 2. The last recorded location for moose GSM18286/15-5631 was located on the northwest corner of an active oil and gas lease site.

MOOSE MORTALITY GSM18286/15-5631
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Figure 3. The last recorded location for moose GSM18286/15-5631 was located on the northwest corner of an active oil and gas lease site.



Figure 4. Moose presence was evident on the northwest corner of the lease site.

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APPENDIX A - INVESTIGATION MAP

