

B.C. Mountain Goat Workshop, Prince George, BC 2005

Project Title: Mountain goat inventory in the Williston Reservoir watershed, north-central BC

1. Project Leader(s): Mari Wood

2. Project Team Members: Mari Wood, Fraser Corbould

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4. Project location: Various locations within Williston Reservoir watershed, north-central B.C.

Coastal: Transition: Interior:

5. Project timeframe: Start (month/year): Mar 93 End (month/year, or ongoing): Ongoing

6. Project status: Data collection Analysis Write-up Publication

7. Project objectives: (briefly describe the primary objectives of your project)

- To determine presence/absence, distribution, minimum population size, and population demographics (age/sex ratios) of mountain goats on various ranges within the Williston watershed.
- To aid in protection of critical areas/habitats/populations through provision of data to WLAP to 1) integrate with forest management plans, 2) designate Protected Areas, special management areas, WHA's, or UWR's, and 3) assist with determination of harvest quotas.

8. Project descriptors (select all that apply):

Research

Habitat Use:

Forestry Interactions:

Management

VHF collars:

Oil & Gas Interactions:

Inventory

GPS collars:

Mineral Exploration:

Predation:

Harvest:

Aerial Disturbance:

Habitat Modeling:

Population Dynamics:

Human Disturbance:

Other:

9. Project description (provide a brief description of your project including methods and main findings or results to date):

Several mountain goat ranges in the Williston Reservoir watershed have been surveyed by the PFWWCP since 1993. Most have been winter alpine surveys conducted in conjunction with surveys for other high-elevation ungulate species (caribou, Stone's sheep). Two summer inventories were conducted specifically for mountain goats, both in the Nabesche River drainage. All inventories have been intensive attempts at total counts conducted by Bell 206 helicopter, but with no correction for sightability.

Mar 1993 - Russel Range - 211 goats (168 adults, 43 kids); 26K:100A

Mar 1994 - Akie/Pesika: Shovel Cr. to Pesika Cr. - 6 goats (5 adults, 1 kid)

Pesika Cr. to Kwadacha R - 30 goats (26 adults, 4 kids); 15K:100A
Mar 1996 - Mt. Selwyn/Mt. Crysedale - 6 goats (5 adults, 1 kid)
July 1998 - Nabesche drainage (Mt. Brewster) - 62 goats (51 adults, 11 kids); 25K:100A
Feb 1999 - Wolverine Range - 13 goats (10 adults, 3 kids)
Feb 1999 - Germansen Range - 5 goats (4 adults, 1 kid)
Mar 2000 - Akie/Pesika: Pesika Cr to Kwadacha R - 34 goats (29 adults, 5 kids); 17K:100A
Sep 2003 - Nabesche drainage (Mt. Brewster) - 89 goats (65 adults, 24 kids); 37K:100A

10. Project documentation (provide a list of citations for all progress, final, or published reports)

- Wood, M.D. 1994. Muskwa Range (east of Finlay River) winter ungulate inventory, March 1994. Peace/Williston Fish and Wildlife Compensation Program Report No. 32. 6 pp.
- Hengeveld, P.E. and M.D. Wood. 1998. Misinchinka Ranges winter ungulate inventory, March 1996. Peace/Williston Fish and Wildlife Compensation Program Report No. 175. 19pp plus appendices.
- Hengeveld, P.E. and M.D. Wood. 2000. Wolverine caribou herd winter survey 1999. Peace/Williston Fish and Wildlife Compensation Program Report No. 231. 11pp plus appendices.
- Corbould, Fraser B. 2001. Abundance and distribution of Stone's sheep and mountain goats on the Russel Range, March 1993. Peace/Williston Fish and Wildlife Compensation Program, Report No. 243. 18pp plus appendices.
- Wood, M.D. 2002. Summer inventory of mountain goats and Stone's sheep in the Nabesche River drainage, north-eastern British Columbia, 1998. Peace/Williston Fish and Wildlife Compensation Program Report No. 265. 14pp plus appendices