

RANGE USE PLAN

GRAZING LICENCE RAN075939

The District Manager, pursuant to section 37 of the *Forest and Range Practices Act*, has determined that this range use plan is consistent with the agreement under the Range Act that pertains to the plan, and conforms to the *Forest and Range Practices Act*, the regulations and the standards.

This range use plan is associated with the following range agreement(s).

NAME: Garrett Ranches Ltd.

RANGE AGREEMENT #: RAN075939

ADDRESS: s.22

FILE #: 15700-20/Garrett

s.22

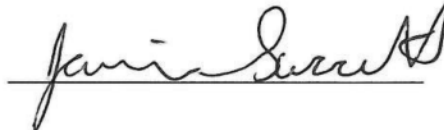
STOCK RANGE: Cluculz

TELEPHONE: s.22

RANGE UNIT: Sob Lake 4038

This plan was prepared by Larry Garrett

Agreement holder's signature*



Date June 11, 2019

Date _____


Date _____

*Or authorized signatory if agreement holder is a corporation

This range use plan takes effect: 2019 01 01
yyyy mm dd

This range use plan expires on: 2023 12 31
yyyy mm dd

Approved by:



David Van Dolah, RFT
District Manager
Stuart Nechako Forest District

Date: 2019/06/12
yyyy mm dd

Range Use Plan for Livestock Grazing

Map:

Grazing schedule:

<i>Pasture</i>	<i>Class and No. of Livestock</i>	<i>Period of use</i>	<i>Range Readiness Criteria*</i>	<i>Average stubble height at end of period*</i>	<i>Max % of browse use</i>	<i>Plant community * and monitoring site</i>	<i>Private land deduction</i>
Bobtail	180 cow/calf 9 bulls	June 23- Sept 15	4 leaf stage for reed canary grass and 3 leaf stage for bluejoint. Soils dry enough to withstand livestock use without becoming rutted or compacted	15 cm for reed canary grass and an average of 12 cm for bluejoint throughout the range	25%	Cluculz Creek at Blackwater Road crossing	150
Woodlot North	120 cow/calf 6 bulls	June 23- Sept 15	4 leaf stage for reed canary grass and soils dry enough to withstand livestock use without becoming rutted or compacted	15 cm for reed canary grass	25%		
Mountain Ranch	90 cow/calf 4 bulls	June 23- Aug 26	4 leaf stage for reed canary grass and soils dry enough to withstand livestock use without becoming rutted or compacted	20 cm for sedge	25%	Crown land adjacent to private land	75
Range	20 cow/calf 3 bulls	Sept 15- Sept 30					

*if required by the minister

Actions to be carried out to address prescribed matters or issues.

(i) Actions to deal with issues identified by the Minister:

Issues	Actions
Portions of Cluculz Creek have been impacted by beaver, flooding and ice shearing. This combined with livestock grazing has put portions of the drainage at risk. The goal is to restore a corridor of willow, through natural recruitment along Cluculz Creek within 10 years and to restore damaged stream and riparian sections to properly functioning condition (PFC) within 10 years.	<ul style="list-style-type: none"> • Salt at least 400 m from Cluculz Creek • Will move cattle away from Cluculz Creek every 2 weeks. • Currently, we turnout later, will follow the range readiness criteria. • Check stubble heights and browse use, every 2 weeks and will move cattle out of area if use is below the levels in grazing schedule
Maintain a viable forest industry by minimizing browsing and trampling of conifer seedlings on plantations.	<ul style="list-style-type: none"> • Will salt 400 m from smaller cutblocks where practicable • We will salt on roads within the 300 ha block but will salt away from newly planted areas. • Salting sites will be moved regularly to new areas but we have several salting sites we use year after year as older cows remember where they found salt, to encourage better distribution further south. • Will move cattle every 2 weeks and check for seedling damage. If cattle are causing more than 10% damage in a 0.25 ha area, we will move them out of the area. • Will follow grazing schedule
Increase in harvesting to address the impacts of mountain pine beetle. Removal of natural range barriers may potentially affect livestock movement.	<ul style="list-style-type: none"> • At present I am not concerned about removal of natural boundaries. • I will continue to have discussions and meetings with licensee that operate in my area and will review logging plans and maps in my area. If I have any concerns I will contact the logging company.
Woodlot Licences 651, 1205, 1701 and 1208 overlap portions of the range. Minimize trampling damage of seedlings.	<ul style="list-style-type: none"> • Will review woodlot licence plan and maps and will contact them if I have any concerns or comments. • See actions for seedling damage above.

(ii) Plant communities (if any):

Plant community	Actions to establish or maintain plant communities
Cluculz Creek: Banks are lined with willow, black twinberry and spirea. Portions of the streambanks have bare exposed soil with sloughing banks.	<ul style="list-style-type: none">• Will move cattle every 2 weeks away from Cluculz Creek• Salt at least 400 m from riparian areas.• Will check stubble heights and browse use and will move cattle out of the area if they graze or browse below levels of use in grazing schedule.
Wetland Meadows: Sedge and reed canary grass with willow have received heavy use, pedestalling, heavy browse and soil compaction are common.	<ul style="list-style-type: none">• Will follow range readiness criteria• Will move cattle out of sedge meadows every 2 weeks if they graze below the stubble heights.• Will salt at least 400 m from wetlands.

(iii) Measures to prevent the introduction and spread of invasive plant species:

- Will report invasive plants to Ministry of Forests, Lands, Natural Resource Operations & Rural Development
- Will grass seed disturbed soils with certified weed free seed within 1 year
- Will hand pull weeds if practicable

Range use plan template for livestock grazing

Prepared by the Range Agreement Holder

This template outlines the elements of range use plans as required by the *Forest and Range Practices Act* and the Range Practices and Planning Regulation.

If a range use plan includes *unfenced grazing land* (unfenced private land grazed in common with Crown range), only the grazing schedule applies to that private land. The District Manager may approve a schedule for any time period provided that stock control is adequate to prevent trespass on Crown range.

The District Manager has provided the following information to the Agreement Holder. It will be retained on file at the Ministry of Forests, Lands and Natural Resource Operations District office

GRAZING LICENCE RAN075939

AGREEMENT AREA FOR GARRETT RANCHES LTD.

1. Prescribed matters – plant communities, range readiness criteria and utilization levels

These are the required plant communities.

<i>Pasture name/General area</i>	<i>Plant community</i>	<i>Range Readiness Criteria</i>	<i>Ave. stubble ht. at end of period</i>	<i>Maximum % browse use</i>
Cluculz Creek	Banks are lined with willow, black twinberry and spirea. Portions of streambanks have bare exposed soils with sloughing banks.	4 leaf stage for reed canary grass and 3 leaf stage for bluejoint. Soils are dry enough to withstand livestock use without becoming compacted and rutted	15 cm for reed canary grass and 12 cm for bluejoint	25%
Wetland Meadow	Sedge and reed canary grass with willow and spruce have received heavy use, pedestalling, heavy browse and soil compaction are common.	4 leaf stage for reed canary grass. Soils dry enough to withstand livestock use without becoming rutted and compacted.	20 cm for sedge	25%

2. Resource features and issues identified by the minister

- i) Portions of Cluculz Creek and its adjacent riparian area have received heavy use and are at risk. The goal is to restore a corridor of willow, through natural recruitment along Cluculz Creek within 10 years and to restore damaged stream and riparian sections to properly functioning condition (PFC) within 10 years.
- ii) Maintain a viable forest industry by minimizing browsing and trampling of conifer seedlings on plantations, which have not achieved free growing status.
- iii) The Vanderhoof District will have an increase in harvesting to address the impacts of the mountain pine beetle. Removal of natural range barriers may potentially affect livestock movement.
- iv) Woodlot Licences 651, 1205, 1710 and 1208 overlap portions of the range agreement boundaries. Manage for cow-seedling interaction.

RANGE USE PLAN
GRAZING LICENCE RAN076686

The District Manager, pursuant to section 37 of the *Forest and Range Practices Act*, has determined that this range use plan is consistent with the agreement under the Range Act that pertains to the plan, and conforms to the *Forest and Range Practices Act*, the regulations and the standards.

This range use plan is associated with the following range agreement(s).

NAME: Neil Fenton Miller

RANGE AGREEMENT #: RAN076686

ADDRESS: s.22

FILE #: 15700-20/Miller

s.22

STOCK RANGE: Cluculz

RANGE UNIT: Sob Lake 4038

TELEPHONE: s.22

This plan was prepared by Neil Miller

Agreement holder's signature*

Neil Miller

Date

AUG-6-2015

Date

Date

*Or authorized signatory if agreement holder is a corporation

This range use plan takes effect: 2017 01 01
yyyy mm dd

This range use plan expires on: 2021 12 31
yyyy mm dd

Approved by:

David Van Dolah

Date:

2015 08 07

David Van Dolah, R.F.T.
District Manager
Vanderhoof Forest District

yyyy mm dd

Range Use Plan for Livestock Grazing

Map:

Grazing schedule:

<i>Pasture</i>	<i>Class and No. of Livestock</i>	<i>Period of use</i>	<i>Range Readiness Criteria*</i>	<i>Average stubble height at end of period*</i>	<i>Max % of browse use</i>	<i>Plant community * and monitoring site</i>	<i>Private land deduction</i>
Immature Spruce/Pine	30 cow/calf pairs and 2 bulls	June 1 – Oct. 1	2.25 to 2.5 leaf stage on pinegrass	15 cm on pinegrass	25%	A mix of spruce and pine with scattered aspen in the under storey. Bluejoint and pinegrass characterize the grasses, but the groundcover is dominated by moss and bunchberry.	
Mature Aspen			3.0 leaf stage on bluejoint	12 cm on bluejoint	25%	Mature aspen and cottonwood form the stand canopy. The shrub layer is composed of dogwood, rose and black twinberry. Common forbs include peavine, vetch, fireweed and false Solomon's seal. Bluejoint is the common grass.	
Wetlands			Soils are dry enough to withstand livestock use without becoming compacted and rutted.	20 cm on sedges	25%	Spruce trees surround the wetlands with a shrub layer of willow and twinberry. There is varying densities of sedge around the wetlands.	
Monitoring Site: Culvert crossing at fence line							

*if required by the minister

Revised September 28, 2004

Actions to be carried out to address prescribed matters or issues.

(i) Actions to deal with issues identified by the Minister:

Issues	Actions
Distribution of cattle	<ul style="list-style-type: none">• Move salting locations every month• Add new trails that will first be laid out with range officer
Maintain a viable forest industry by minimizing browsing and trampling of conifer seedlings on plantations	<ul style="list-style-type: none">• Check plantations once a month will contact range officer if I see seedling damage• Keep salt out of plantations
Removal of natural range barriers	<ul style="list-style-type: none">• Read referrals and contact range officer if natural range barriers will be disturbed
Fence inspection	<ul style="list-style-type: none">• Inspect and repair fence before turn-out

(ii) Plant communities (if any):

Plant community	Actions to establish or maintain plant communities
Immature Spruce/Pine	Follow grazing schedule Monitor once a month
Mature Aspen	Follow grazing schedule
Wetlands	Keep salt 400 m away from wetlands Follow grazing schedule

(iii) Measures to prevent the introduction and spread of invasive plant species:

- Look for new weeds and notify range officer if found

Range use plan template for livestock grazing

Prepared by the Range Agreement Holder

This template outlines the elements of range use plans as required by the *Forest and Range Practices Act* and the Range Practices and Planning Regulation.

If a range use plan includes *unfenced grazing land* (unfenced private land grazed in common with Crown range), only the grazing schedule applies to that private land. The District Manager may approve a schedule for any time period provided that stock control is adequate to prevent trespass on Crown range.

The District Manager has provided the following information to the Agreement Holder. It will be retained on file at the Ministry of Forests District Office

RAN076686 AGREEMENT AREA

1. Prescribed matters – plant communities, range readiness criteria and utilization levels

These are the required plant communities.

<i>Pasture name/General area</i>	<i>Plant community</i>	<i>Range Readiness Criteria</i>	<i>Ave. stubble ht. at end of period</i>	<i>Maximum % browse use</i>
Immature Spruce/Pine	A mix of spruce and pine with scattered aspen in the under storey. Bluejoint and pinegrass characterize the grasses, but the groundcover is dominated by moss and bunchberry.	to 2.5 leaf stage on pinegrass Soils are dry enough to withstand livestock use without becoming compacted and rutted	15 cm on pinegrass	25%
Mature Aspen	Mature aspen and cottonwood form the stand canopy. The shrub layer is composed of dogwood, rose and black twinberry. Common forbs include peavine, vetch, fireweed and false Solomon's seal. Bluejoint is the common grass.	3.0 leaf stage on bluejoint Soils are dry enough to withstand livestock use without becoming compacted and rutted	12 cm on bluejoint	25%
Wetlands	Spruce trees surround the wetlands with a shrub layer of willow and twinberry. There is varying densities of sedge around the wetlands.	Soils are dry enough to withstand livestock use without becoming compacted and rutted.	20 cm on sedges	25%

2. Resource features and issues identified by the minister

- i) Avoid pockets of overgrazing, distribute livestock evenly throughout range
- ii) Minimize browsing and trampling of conifer seedlings on plantations
- iii) Natural range barriers could be removed with timber harvesting
- iv) Prior to turnout ensure fence is repaired



MyRangeBC

Range Use Plan STATUS: APPROVED

RAN076686

Plan Term

January 01, 2022 - December 31, 2026

Confirmed by Agreement Holder(s):

MILLER, NEIL FENTON - April 12, 2022 by agent Neil Miller

Confirmed by District Manager:

Printed Name

Signature

Date



RAN076686 | Miller, Neil Fenton

Plan Term

Basic Information

Contact Information

District (Responsible)
DVA

Zone
ALL

Contact Name
Maresh Kc

Contact Phone
s.22

Contact Email
mahesh.kc@gov.bc.ca

Plan End Date
December 31, 2026

Plan End Date
December 31, 2026

Exemption Status
Not Exempt

Type
Primary

Name
Miller, Neil Fenton

Pastures

Pasture: Range

Allowable AUMs

Not provided

Private Land Deduction

1%

Pasture Notes (non legal content)

Not provided

Plant Communities: (Range)

Plant community: Other

Plant Community Description

A mix of spruce and pine species with scattered aspen in the understory. Canada reedgrass and pinegrass dominate the grasses, while the majority of the ground cover consists of moss and bunchberry.

Plant Community URL

Purpose of Actions

Maintain

Criteria (Other)

Range Readiness

If more than one readiness criteria is provided, all such criteria must be met before grazing may occur

Readiness Date

June 1

Other

Not provided

Indicator Plant

Pinegrass

Criteria (Leaf Stage)

2.5

Stubble Height

Livestock must be removed on the first to occur of the date in the plan (ex. schedule), stubble height criteria or average browse criteria.

Indicator Plant

Pinegrass

Height After Grazing (cm)

15

Shrub Use

Unless otherwise indicated above, shrub species may be browsed at 25% of current annual growth.

% of Current Annual Growth

25

Plant community: Other

Plant Community Description

Mature aspen and cottonwood from the stand canopy. The shrub layer is composed of dogwood, rose and black twinberry. Common forbs include Peavine, vetch, fireweed, and false Solomon's seal. Canada reedgrass is the most common grass.

Plant Community URL

Purpose of Actions
Maintain

Criteria (Other)

Range Readiness

If more than one readiness criteria is provided, all such criteria must be met before grazing may occur

Readiness Date

June 1

Other

Not provided

Indicator Plant

Reedgrass, Canada

Criteria (Leaf Stage)

3

Stubble Height

Livestock must be removed on the first to occur of the date in the plan (ex. schedule), stubble height criteria or average browse criteria.

Indicator Plant

Reedgrass, Canada

Height After Grazing (cm)

12

Shrub Use

Unless otherwise indicated above, shrub species may be browsed at 25% of current annual growth.

% of Current Annual Growth

25

Plant community: Other

Plant Community Description

Spruce trees surround the wetlands with a shrub layer of willow and twinberry. Varying densities of sedges occur surrounding the wetlands.

Plant Community URL

Purpose of Actions

Maintain

Plant Community Actions (Other)

Action

Salt

Details

Salt at least 400m away from wetlands to prevent pugging and compaction of sensitive soils as well as protect riparian vegetation.

Criteria (Other)

Range Readiness

If more than one readiness criteria is provided, all such criteria must be met before grazing may occur

Readiness Date

June 1

Other

Soils are dry enough to withstand livestock use without becoming pugged and compacted.



Indicator Plant

Criteria (Leaf Stage)

Stubble Height

Livestock must be removed on the first to occur of the date in the plan (ex. schedule), stubble height criteria or average browse criteria.

Indicator Plant

Height After Grazing (cm)

Sedge, beaked

20

Shrub Use

Unless otherwise indicated above, shrub species may be browsed at 25% of current annual growth.

% of Current Annual Growth

25

Schedules

2022 Schedule

Pasture	Livestock Type	# of Animals	Date in	Date out	Days	Grace Days	PLD	Crown AUMs
Range	Cow with Calf	30	Jun 01	Oct 01	123	3	1.2	120
Range	Bull	2	Jun 01	Oct 01	123	3	0.1	12

Authorized AUMs: 133 Total AUMs: 132

Schedule description is optional but if included is legal content

Schedule Description

Not provided

2023 Schedule

Pasture	Livestock Type	# of Animals	Date in	Date out	Days	Grace Days	PLD	Crown AUMs
Range	Cow with Calf	30	Jun 01	Oct 01	123	3	1.2	120
Range	Bull	2	Jun 01	Oct 01	123	3	0.1	12

Authorized AUMs: 133 Total AUMs: 132

Schedule description is optional but if included is legal content

Schedule Description

Not provided

2024 Schedule

Pasture	Livestock Type	# of Animals	Date in	Date out	Days	Grace Days	PLD	Crown AUMs
Range	Cow with Calf	30	Jun 01	Oct 01	123	3	1.2	120
Range	Bull	2	Jun 01	Oct 01	123	3	0.1	12

Authorized AUMs: 133 Total AUMs: 132

Schedule description is optional but if included is legal content

Schedule Description

Not provided

2025 Schedule

Pasture	Livestock Type	# of Animals	Date in	Date out	Days	Grace Days	PLD	Crown AUMs
Range	Cow with Calf	30	Jun 01	Oct 01	123	3	1.2	120
Range	Bull	2	Jun 01	Oct 01	123	3	0.1	12



RAN076686 | Miller, Neil Fenton

January 01, 2022 - December 31, 2026

Schedule description is optional but if included is legal content

Not provided

Pasture	Livestock Type	# of Animals	Date in	Date out	Days	Grace Days	PLD	Crown AUMs
Range	Cow with Calf	30	Jun 01	Oct 01	123	3	1.2	120
Range	Bull	2	Jun 01	Oct 01	123	3	0.1	12

Schedule description is optional but if included is legal content

Not provided



Minister's Issues and Actions

No minister issues provided

Invasive Plants

I commit to carry out the following measures to prevent the introduction or spread of invasive plants that are likely the result of my range practices:

Equipment and vehicles will not be parked on invasive plant infestations

Clothing and vehicle/equipment undercarriages will be regularly inspected for plant parts or propagules if working in an area known to contain invasive plants

Revegetate disturbed areas that have exposed mineral soil within one year of disturbance by seeding using Common #1 Forage Mixture or better. The certificate of seed analysis will be requested and seed that contains weed seeds of listed invasive plants and/or invasive plants that are high priority to the area will be rejected. Seeding will occur around range developments and areas of cattle congregation where bare soil is exposed. Revegetated areas will be monitored and revegetated as necessary until exposed soil is eliminated.

Additional Requirements

Other direction or agreements with which this Range Use Plan must be consistent.

Category

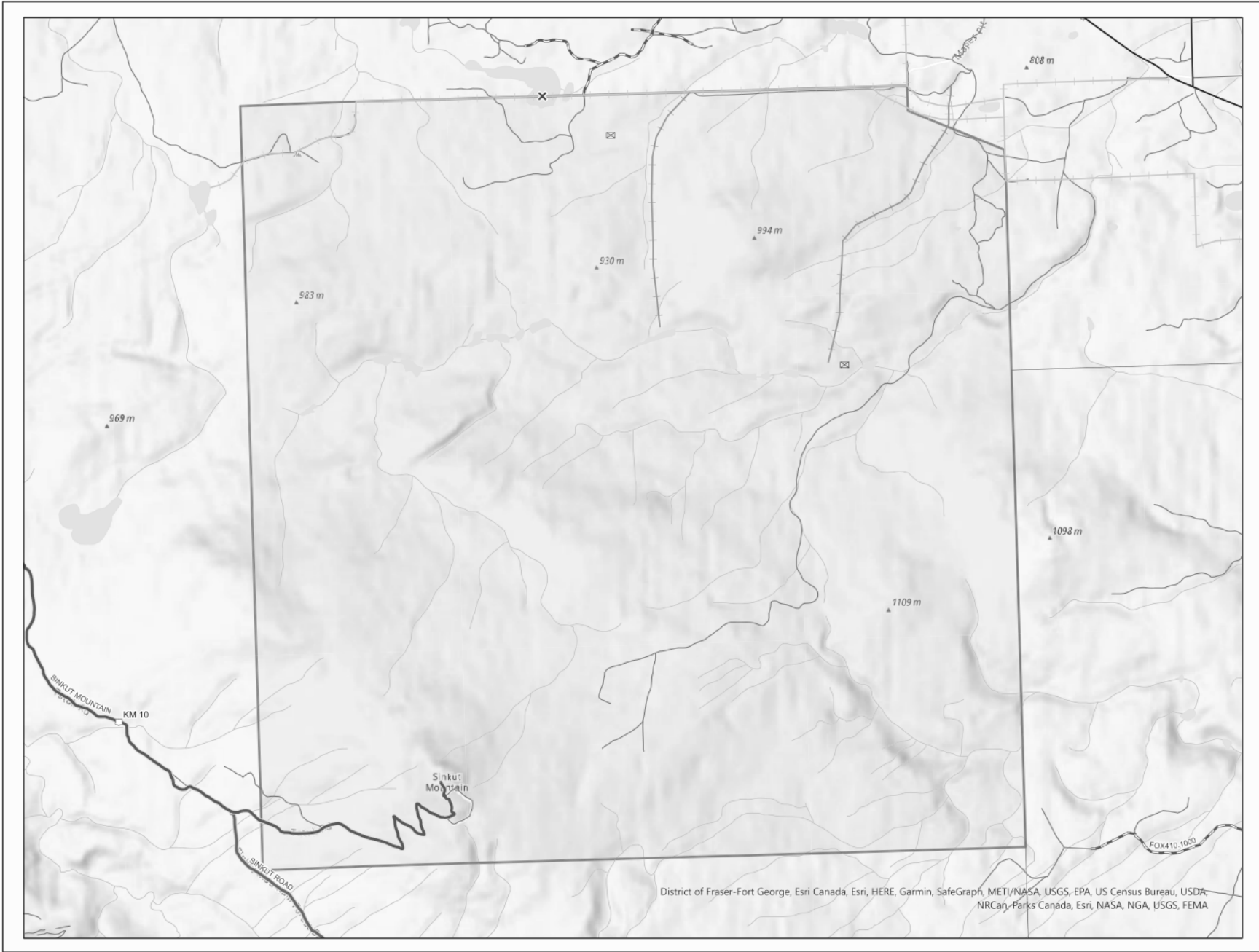
Details



Notice or Order

Ungulate Winter Range U-7-020 overlaps with this range agreement. Restrictions on livestock attractants and new range developments occur in this area.

[https://www.env.gov.bc.ca/wld/docu-](https://www.env.gov.bc.ca/wld/docu-ments/uwr/uwr_u7-018_u7-020_u7-022_u7-024_u7-027.pdf)

URL: [ments/uwr/uwr_u7-018_u7-020_u7-022_u7-024_u7-027.pdf](https://www.env.gov.bc.ca/wld/docu-ments/uwr/uwr_u7-018_u7-020_u7-022_u7-024_u7-027.pdf)





BRITISH COLUMBIA

Range Use Plan Map

Range Tenure: RAN076686

Tenure Holder: NEIL MILLER

Range Improvements (Point)

CABIN

CATTLEGUARD

CORRAL

CROSSING

EXCLOSURE

GATE

SALT

WATER DEVELOPMENT

Range Improvements (Line)

FENCE

STOCK TRAIL

WATER DEVELOPMENT

Active Range Tenures

Range Use Plan

Feature Tenure

DVA

DVA_KM

Main Rds

Id

Main HWY


HWY Rds

DRA Main

Main_Tenured_Static

FSR

RP




Esri, Canada, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NRCAN, Parks Canada, Esri, CGIAR, USGS

Scale: 1:30,000

Disclaimer: The intent of this map is to provide an overview for referral purposes and is not to be used as a legal boundaries map

Produced for:
Ashley Tod

Produced by:


BRITISH COLUMBIA

Ministry of Forests
Lands and Natural Resource Operations

Date: 2022-04-08

User Name: imiblet

Spatial Reference
Name: NAD 1983 BC Environment Albers
Datum: North American 1983
Projection: Albers

Document Path:
W:\FOR\PM\DIVA\Projects\15_Range\2022_Request\RangeTemplate2022.aprx

Page 24 of 24 FOR-2023-30945