

APPLICATION FOR ECOLOGICAL RESERVE

1. Legal description of the area (or general "Metes and bounds" description)
2. Geographical location (relate to nearest settlement, mountain, river, etc.)

Burrell Creek, north of Deadeye Creek.

3. Indicate the biogeoclimatic zone of which the reserve is representative.

IWHa

4. Approximate total acreage.

587 acres

5. Purpose of the reserve. To preserve more or less undisturbed plant community with predominant white pine (*Pinus monticola*) apparently a resistant strain against blister rust infection.

(a) Primary (state acreage)

587 acres

(b) Others if any (state acreage)

An area, approximately 1 mile to the north along the road might be included pending a ground examination by an ecologist.

(c) Buffer areas (state acreage)

6. Attach a map and indicate: (a) the perimeters and acreage of the areas detailed in 5 above, and
(b) indicate the species and total timber volumes in these areas.

Major tree species are: white pine, Engelmann spruce, western hemlock, western larch, western redcedar, lodgepole pine, black cottonwood, and Douglas-fir.

Signature E. Anderson.
I.B.P. Surveyor

INTERNATIONAL BIOLOGICAL PROGRAMME

SECTION CT: CONSERVATION OF TERRESTRIAL BIOLOGICAL COMMUNITIES

CHECK SHEET (Mark VII) FOR SURVEY OF IBP AREAS*

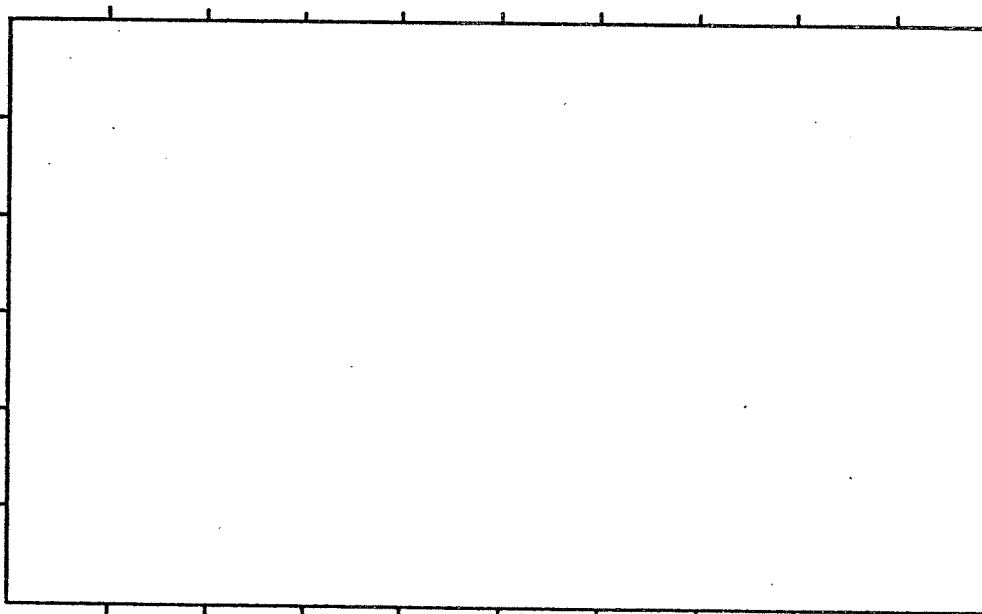
To be completed with reference to the GUIDE TO THE CHECK SHEET

Serial Number

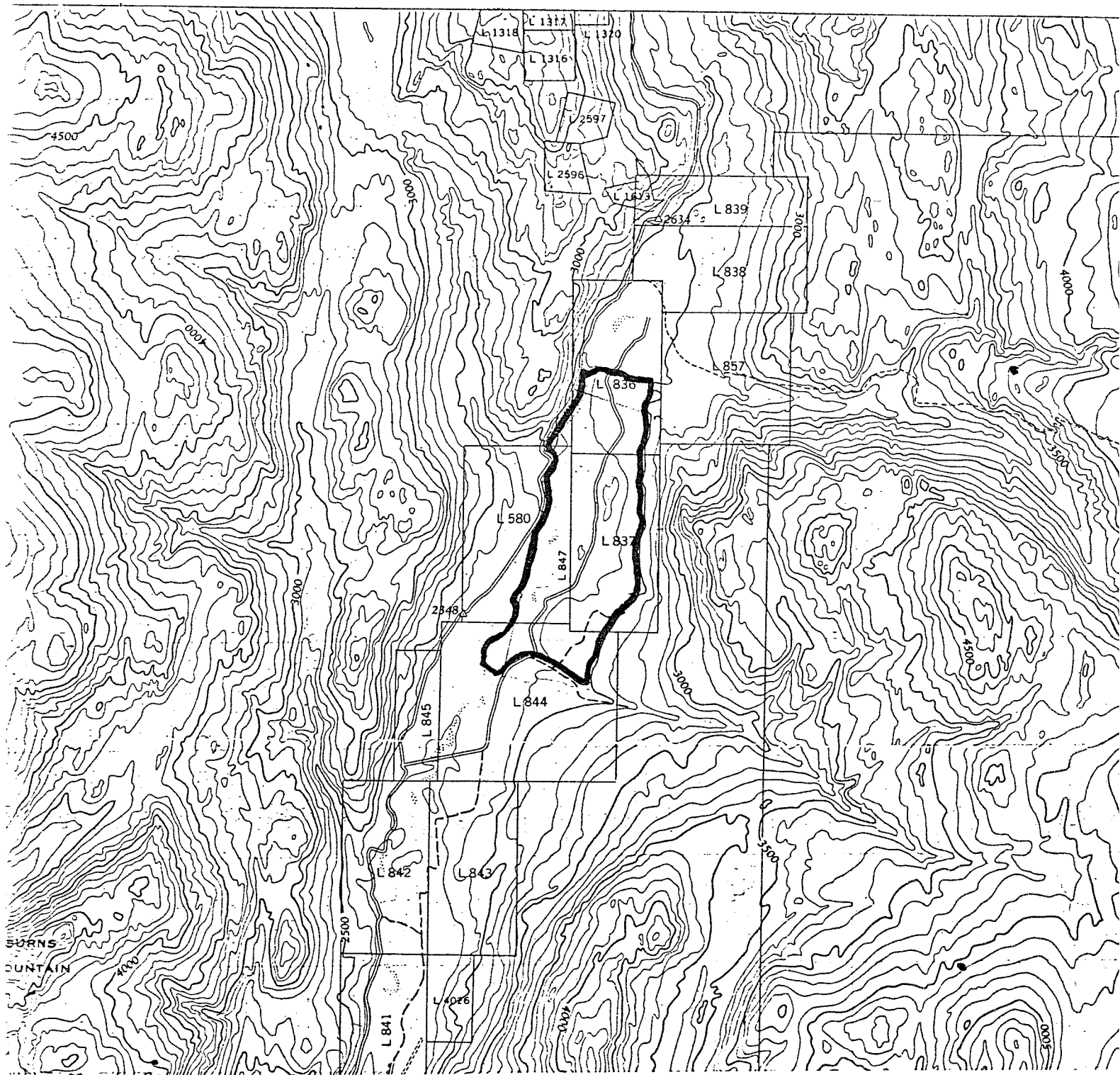
For Dat
Centre L
only

1. 1. Name of surveyor E. Anderson,
 2. Address of surveyor The Federation of British Columbia Naturalists,
Victoria, B.C. Canada,.
 3. Check Sheet completed (a) on site X (b) from records X
 4. Date Check Sheet completed incomplete survey, November 26, 1973.

2. 1. Name of IBP Area Burrell Creek, north of Deadeye Creek.
 2. Name of IBP Subdivision (or serial letter) IWHa
 3. Map of IBP Area* showing boundaries attached? Yes X No
 4. Sketch map of IBP Area*. Please mark direction of north, the scale and grid numbers where applicable.



* For "IBP Area", read IBP Area and/or IBP Subdivision.

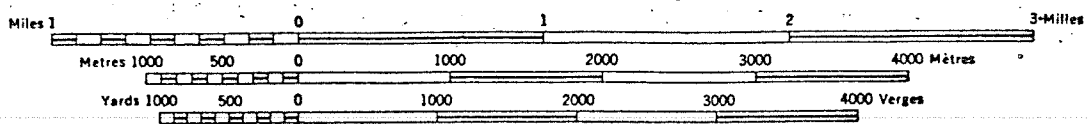


49° 28' N
118° 24' W

RENATA
BRITISH COLUMBIA

82E/8

SCALE 1:50,000 ÉCHELLE



Building...
School...
Church...
Mine or O.
Lighthouse

3. Location of IBP Area*

1. Latitude.....49.....° 28'..... N/S Longitude.....118°.....° 24'..... E/W
2. CountryCanada.....
- State or ProvinceBritish Columbia..... County Kamloops.....
- (State or Province County)

4. Administration

National 1. Official categoryPrivate Lands or Crown Lands ??.....

2. Address of administration
-
-
-
-

International Class

3. Included in U.N. List	Rejected from U.N. List	Area with formal conservation status	No formal cons. status
(A)	(B)	(C)	(D) X

5. Characteristics of IBP Area*

1. Surface area (state units of measurement)587 acres.....
2. Altitude (state units of measurement) Maximum 2350° (705m).....
- Minimum 2500° (750m).....

6. Climate

Nearest climatological station :

1. NameFauquier.....
2. Climatological station on IBP Area*? Yes No ...X.....
3. If (2) not, distance from edge of IBP Area* (state units)about 30mi.......
4. Direction from IBP Area*NNE.....
5. Additional data sheet attached? Yes No ...X.....

17. Conservation Status

	Protection			Utilisation			Conservation Management			Permitted Research		
	none	partial	total	none	controlled	uncontrolled	none	to alter status	to maintain status	experimental	observational	prohibited
Flora			X	X					X	X		
Fauna			X	X					X	X		
Non-living			X	X					X	X		

18. References

1. List major biological/geographical references for the IBP Area.

Sheet attached? Yes No

2. List main maps available for the IBP Area.

List attached? Yes No

3. Aerial photographs for the IBP Area available?

For whole area **X** For part of area None

19. Other Relevant Information There is necessary a ground examination of the area by an ecologist to complete a biological checklist. Attached to the application is the report of E. Anderson. The white pine stands here seem to be suitable for genetic research.

Signed E. Anderson.
(Surveyor)



The Federation of British Columbia Naturalists

Please reply to:

Sept. 19/73

AREAS SUGGESTED FOR POSSIBLE CONSIDERATION AS ECOLOGICAL RESERVES

Sites A & B - Burrell Creek north of Grand Forks (See Grand Forks 2 miles/1 inch sheet)

Site A is about 32 miles north of Grand Forks on Burrell Creek, a main tributary of the Granby River. It consists of about 1/2 mile ~~between~~ just north of Deadeye Cr. along the Burrell Cr. road on map lots 844, 580 and 837. Area has been lightly logged in the past and is now covered with a mixed stand in which white pine predominates. This pine is tall and of good quality, generally 10" to 18" d.b.h., and appears to be free of white pine blister rust infection thus raising the possibility that the strain here has some inherent resistance. (Some possibly resistant stands are known further east but these are at higher elevations: the elev. here is only 2300+.)

Width of the stand is not known but it is probably less than one-half mile. It is on a wide flat of stony glacial till. Spruce and western larch are co-dominant with red cedar, Lodgepole pine, cottonwood, Doug fir, hemlock and willow as minor stand members. (Since fir has been removed many of the latter, particularly hemlock, are juvenile.) *Vaccinium* spp., *Linnaea*, lupin and grasses complete the cover.

This is the most extensive and best looking w. pine stand the writer has seen in the interior.

~~xxxxx~~ Site B is the adjoining area along the road for approximately a mile to the north. This has been more heavily logged for fir, that is, the area more nearly approached being a clear-cut when it was done perhaps 20 or more years ago. Part of it is now almost pure juvenile western larch while the northernmost part is juvenile lodgepole pine. It is felt this part of the general area might be worth inclusion if area A is considered since the whole area includes a rather wide range of tree species in a mixed to semi-pure assemblage.



DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
OFFICE OF
THE DEPUTY MINISTER OF LANDS,
VICTORIA, B.C.

September 25, 1973

File: 0324504

Dr. V.J. Krajina,
Department of Botany,
University of British Columbia,
Vancouver 8, B.C.

Dear Dr. Krajina:

Enclosed is a copy of a letter and map from Mr. Elton Anderson proposing two sites on Burrell Creek north of Grand Forks for consideration as an ecological reserve.

Apparently Site "A" contains some excellent examples of western white pine and Site "B" has juvenile larch and lodgepole pine. The Site "C" proposal referred to by Mr. Anderson is, of course, already in hand and being processed. Data on Site "C" (Cardiff Mountain) was forwarded to you on July 27th.

The Burrell Creek proposal appears to warrant further study and I therefore recommend that it be included with the areas to be examined during the 1974 field season.

A copy of N.T. sheet 82E/8W is also enclosed for large scale reference purposes.

Yours truly,

D. Borthwick,
Associate Deputy Minister.

encl:

DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES

OFFICE OF
THE DEPUTY MINISTER OF LANDS
VICTORIA, B.C.

1 B P Report 16.
Burrell Creek
north of Grand
Forks

September 25, 1973

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gd "D. B"

D. Borthwick,
Associate Deputy Minister.

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Burrell Creek proposal

The Federation of British Columbia Naturalists

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Sept. 19/73

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*Drafted letter from A.M. to
Krajina 24 Sept.*

Site C - Cardiff Mountain (See Taseko Lakes 4 miles/1 inch sheet)

Area is in the Nemaia Valley in the Chilcotin about 2 miles west of the Taseko R. It is hill, elev. 4500+, raised about 200' above the surrounding plateau. Cover is lodgepole pine with some spruce on the hills. Access is from the Taseko R. road over the so-called Davison Bridge (army-built), along a rough road for about 3 miles, then a 3/4 mile walk in cross-country.

The hill is formed of massive basalt at the base and on top, however, the central portion (near 100', perhaps) is composed of multiple flat-lying lava flows which have in cooling formed vertical columns, very symmetrical, of blocks with 5 to 8 sides. The individual flows have been about a foot in depth so that all the columns now have prominently developed horizontal cracks: all the blocks are separated on the many columns which have tumbled. Some b. & w. photos of these columns are available.

Since the Reserves are supposed to cover geological areas it would appear that this area merits serious consideration. I know of no other columns which can approach these for symmetry and quality.

Elton A. Anderson
3904 Benson Road, Victoria (477-4849)

*hand note
file 0320936*

TO KNOW THE OUTDOORS - AND TO KEEP IT WORTH KNOWING

Noted Government Agency to map area -
(Over Ruled)

100
100
100

BRITISH COLUMBIA

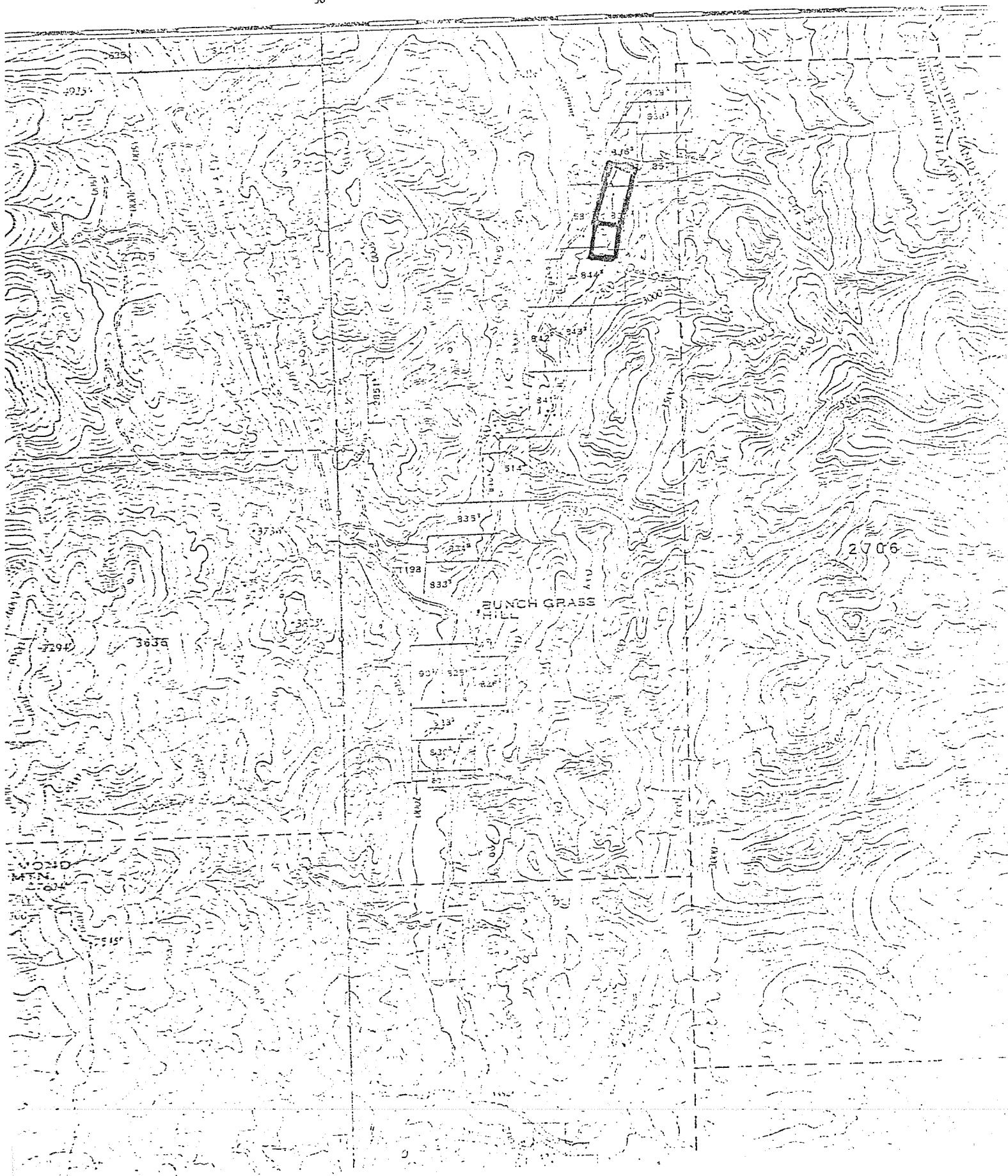
HONORABLE W. J. MILLISTON, M. A. M. C. S. T. R.

FIRST STATUS

W. BASSETT, DEPUTY MINISTER OF LANDS

G. S. ANDREWS, DIRECTOR OF SURVEYS AND MAPPING

30'



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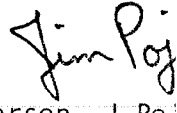
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6. Attach a map and indicate: (a) the perimeters and acreage of the areas detailed in 5 above, and
(b) indicate the species and total timber volumes in these areas.

Major tree species are:

Pinus monticola (white pine)
Pinus contorta (lodgepole pine)
Picea engelmannii (Engelmann spruce)
Larix occidentalis (western larch)
Pseudotsuga menziesii (Douglas-fir)
Tsuga heterophylla (western hemlock)
Thuja plicata (western redcedar)
Populus trichocarpa (black cottonwood)
Populus tremuloides (trembling aspen)

Signature  
J.B. Foster, E. Anderson, J. Poy
I.B.P. Surveyor