

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.)

Horsey Creek, Mc Bride, B.C.

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

IDFb (the wetter subzone of the Interior Douglas-fir Zone)

4. Approximate total acreage.

1030 acres

5. Purpose of the reserve.
 - (a) Primary (state acreage)

800 acres

 - (b) Others if any (state acreage)

 - (c) Buffer areas (state acreage)

2030 acres

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.

Signature Jack Maze

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

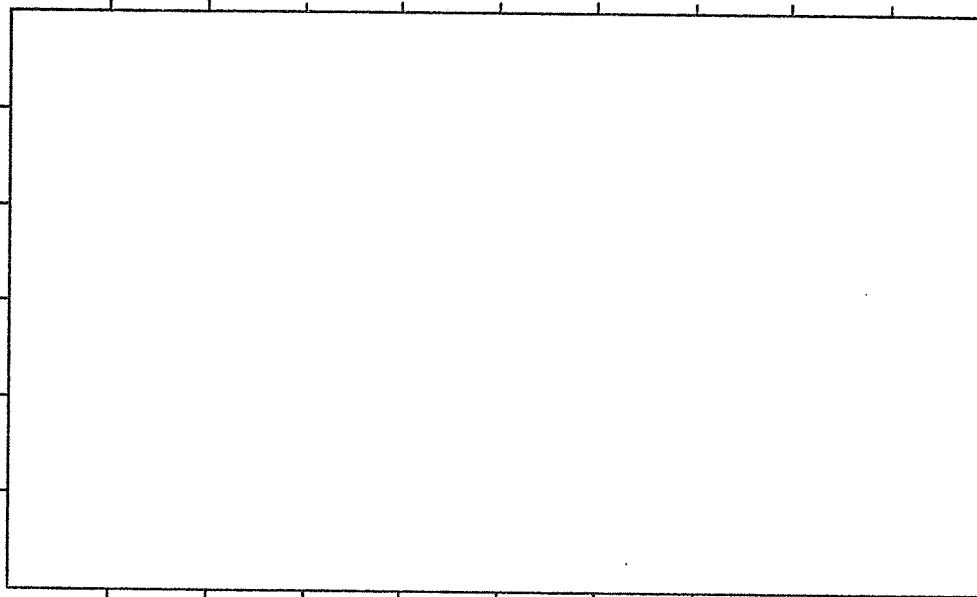
Serial Number

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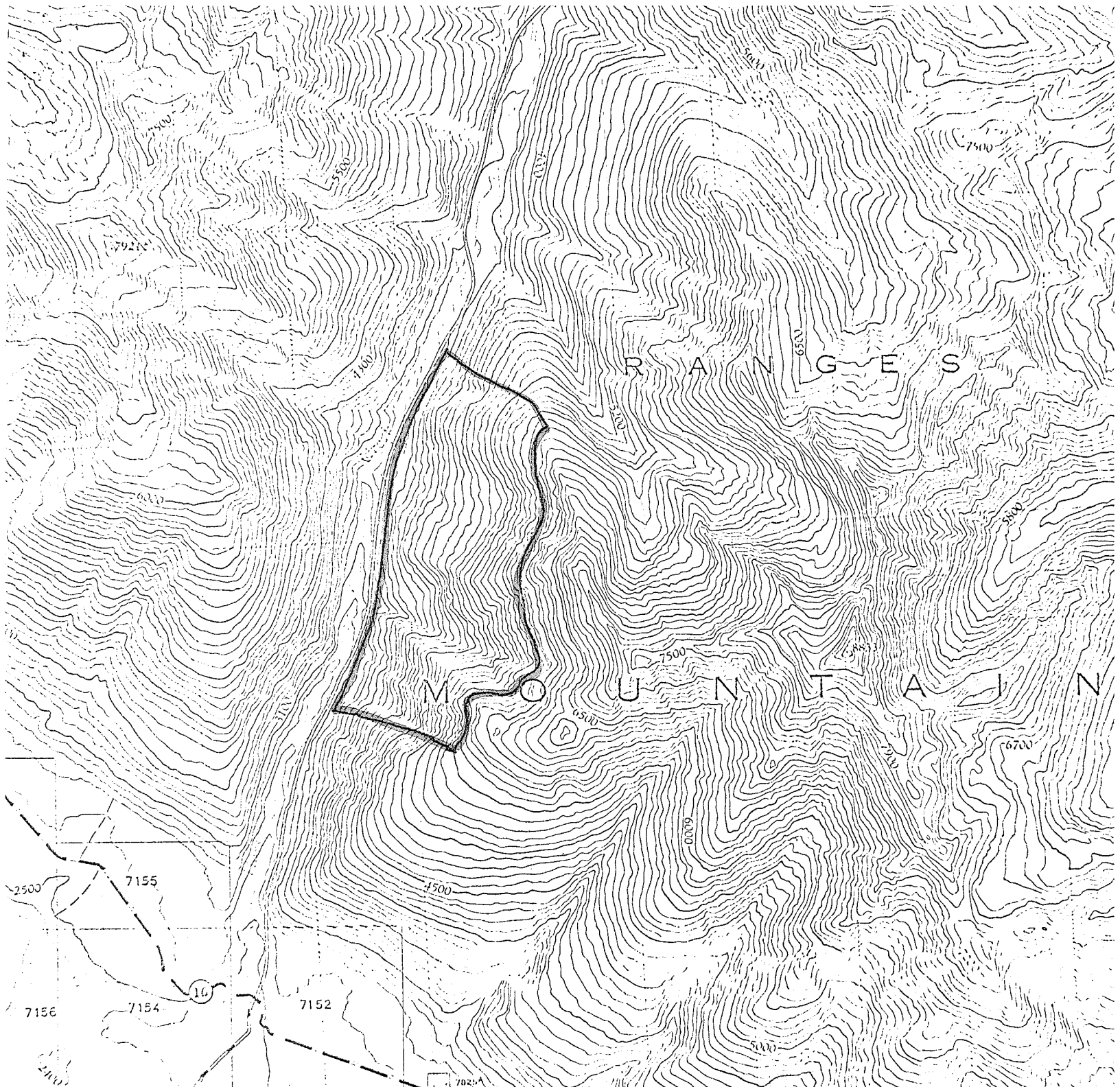
For Data Centre Use only

- 1.
1. Name of surveyor J. Maze, W. B. Schofield, B. A. Bohm
 2. Address of surveyor Department of Botany
..... University of British Columbia
..... Vancouver 8, B. C., CANADA
 3. Check Sheet completed (a) on site X (b) from records
 4. Date Check Sheet completed 19 July 1971

- 2.
1. Name of IBP Area^D: Horsey Creek
 2. Name of IBP Subdivision (or serial letter) IDFb
 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.

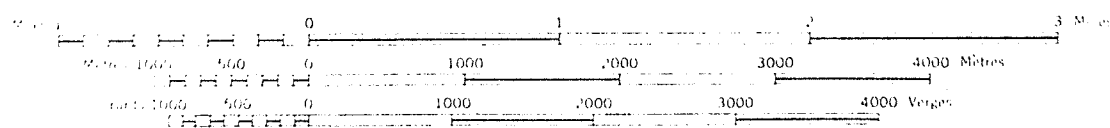


CROYDON

CARIBOO DISTRICT

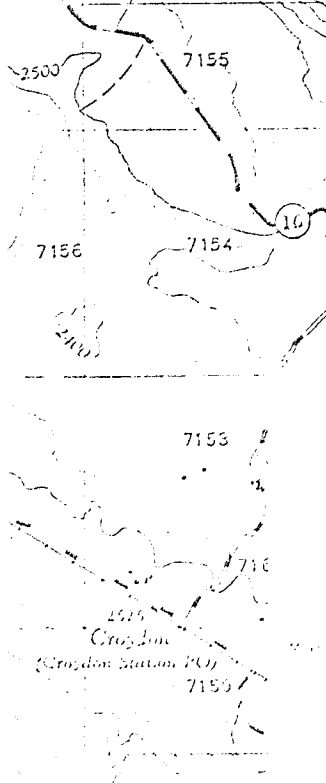
BRITISH COLUMBIA

SCALE 1:50,000 ÉCHELLE



CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level

ÉQUIDISTANCE DES COURBES 100 PIEDS
Elevations en pieds au dessus du niveau moyen de la mer



3. Location of IBP Area*

1. Latitude 53° 5' N/S Longitude 119° 42' E/W
2. Country
- State or Province B.C. County Mc Bride
- (State or Province County)

4. Administration

- National 1. Official category Crown Land
2. Address of administration Department of Lands, Forests and Water Resources
Parliament Buildings
Victoria, B.C.
Canada

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) 1030 acres
2. Altitude (state units of measurement) Maximum 5000'
 Minimum 2900'

6. Climate

Nearest climatological station :

1. Name Mc Bride
2. Climatological station on IBP Area*? Yes No X...
3. If (2) not, distance*from edge of IBP Area* (state units) 15 miles
4. Direction from IBP Area* NW
5. Additional data sheet attached? Yes No X.....

7. Vegetation and Soil

1

Vegetation

Community Reference Number	Vegetation Code					Plant communities (give usual name using full Latin names of a species where applicable)	Area (state units)
	Primary Structural Group	Class	Group	Formation	Sub-Formation		
1	1	A	1	7	a	<u>Pseudotsuga menziesii</u> , <u>Thuja plicata</u> ,	
2						<u>Populus tremuloides</u> , <u>Oplopanax horridus</u> ,	
3						<u>Menziesia ferruginea</u> , <u>Rubus spectabilis</u> ,	
4						<u>Aruncus sylvestris</u> , <u>Cornus canadensis</u> ,	
5						<u>Linnaea borealis</u> , <u>Hypnum revolutum</u> ,	
6						<u>Neckera menziesii</u> , <u>Timmia autriaca</u> ,	
7						<u>Orthotrichum speciosum</u> etc.	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Please give information about further communities on a separate sheet.

7.
(cont.)

2

Soil

Community Reference Number	Soil type	Other notes
1	ABGC-F ₅	Gleyed either Podzol or more frequently Brunisol
2		
3		
4		
5		
6		
7		
8		
9		
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19		
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9. Landscape

1. General Landscape (give brief description) north facing slope

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2. Relief Type

	Flat	Undulating (0)-200 m.	Hilly 200-1000 m.	Mountainous > 1000 m.	%
Sharply dissected					
Gently dissected				100	100
Incised					
Skeletonised					
%					100%

3. Special landscape features (list) seepage habitats in forested slopes

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10. Coastline of IBP Area*

1. Protected bays and/or inlets Many Few None

2. Substratum. % of coast

Rock	Boulder Beach	Shingle Beach	Sand Beach	Shell Beach	Mud	Coral	Ice
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Physiography. % of coast

Cliffed	Sloping	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Special Coastal Features (list)

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5. Tide. Maximum range (state units of measurement)

6. Total length of coastline :

Less than 1 km. 1-10 km. Above 10 km.

11. Freshwater within IBP Area*

1.

	Permanent	Intermittent
General		
Standing	X	X
Running	X	X

2. Standing Water

	Permanent	Intermittent	Unproductive	Productive
Swamps				
Ponds		X	X	
Lakes				

3. Running Water

	Permanent	Intermittent
Springs, cold		
Springs, hot		
Streams	X	X
Rivers		

4. Special freshwater features

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12. Salt and Brackish Water within IBP Area* nil

Salt Lakes	<input type="checkbox"/>	Lagoon	<input type="checkbox"/>	<input type="checkbox"/>
Estuaries	<input type="checkbox"/>	Salt pools	<input type="checkbox"/>	<input type="checkbox"/>

13. Adjacent Water Bodies (not within IBP Area*)

1. Fresh Lake River Stream

2. Salt and Brackish

Estuary	Salt lake	Salt pool	Lagoon	Ocean		

14. Outstanding Floral and Faunal Features

1. None
2. Fauna

	Species diversity	Abundance of individuals	Superabundance of individuals	Rare species	Threatened/Relict species	Spp. of biogeographical interest	Exceptional Associations	Breeding or Nesting Populations	Migrating Populations	Wintering Populations		
Mammalia												
Aves												
Reptilia												
Amphibia												
Pisces												
Insecta												

3. Names of main threatened, endemic, relict and rare species

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 Fauna should be surveyed later.

4. Flora

	Species diversity	Abundance of particular species	Rare species	Threatened/relict species	Spp. of biogeographical interest	Exceptional associations	Outstanding specimens				
Angiospermae :		X									
trees		X									
shrubs		X									
herbs		X									
grass		X									
Gymnospermae		X									
Pteridophyta		X									
Bryophyta		X									
Lichens and Algae		X									

5. Names of main threatened, endemic, relict and rare species

None

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15. Exceptional Interest of IBP Area*

A dense Thuja-Pseudotsuga forest of rather hygic aspect with an understory dominated by Oplopanax.

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16. Significant Human Impact

1. General : None in entire IBP Area*
 None in part of IBP Area* X
 Impact on entire IBP Area*

2. Particular

	Past impact	Present impact	Trend			
			Increasing	Decreasing	No change	No information
Cultivation						
Drainage						
Other soil disturbance		X		X		
Grazing						
Selective flora disturbance		X		X		
Logging						
Plantation						
Hunting		X			X	
Removal of predators						
Pesticides						
Introductions — plants		X			X	
Introductions — animals						
Fire						
Permanent habitation						
Recreation and tourism		X			X	
Research						

3. Additional details on each type of impact 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	X	
Fauna		X			X				X	X	X	
Non-living	X			X			X			X	X	

18. References

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

Sheet attached? Yes No ^X

2. List main maps available for the IBP Area.

List attached? Yes No ^X

3. Aerial photographs for the IBP Area available?

For whole area ^X For part of area None

19. Other Relevant Information

It is probably one of the best western redcedar stands in the most eastern distribution of this tree. It should be well protected by an Ecological Reserve.

Signed Jack Maze
(Surveyor)