

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.)

Stikine River Canyon northeast of Telegraph Creek.

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

BWBS

4. Approximate total acreage.

3250 acres (includes river, rocks and scree material) 1316ha

5. Purpose of the reserve.

To preserve another magnificent part of the Stikine River Canyon.

(a) Primary (state acreage)

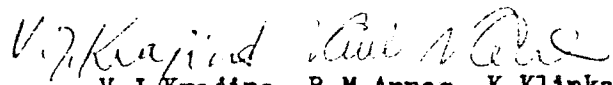
3250 acres

(b) Others if any (state acreage)

(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.

A few trees of Picea glauca, Pinus contorta, Abies lasiocarpa and Populus tremuloides which are not reachable for a practical use.

  
Signature V.J. Krajina, R.M. Annas, K. Klinka,  
I.B.P. Surveyor  
R.G. McMinn, and K. Sumanik.

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

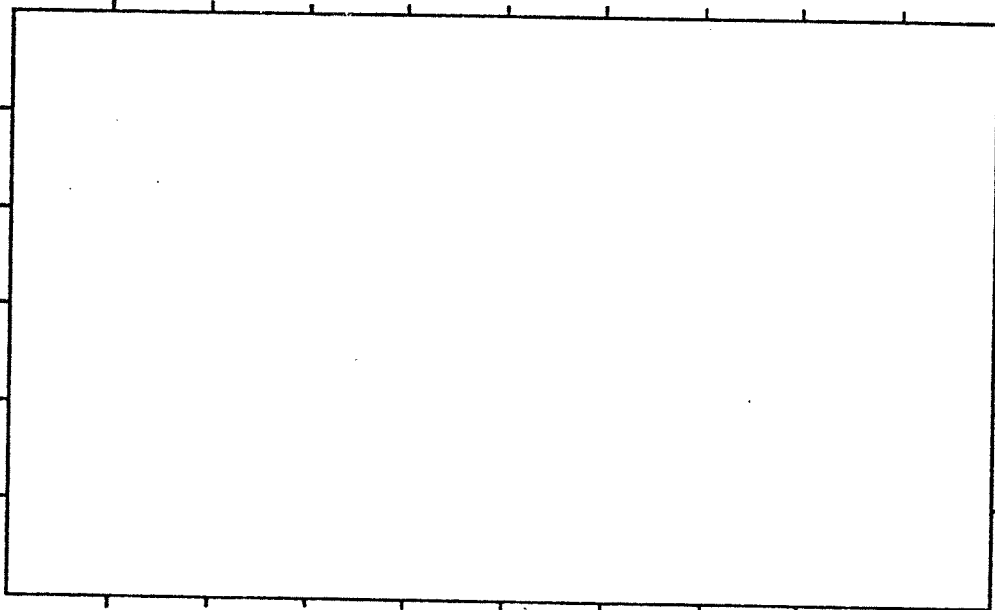
Serial Number

--	--	--	--	--	--	--

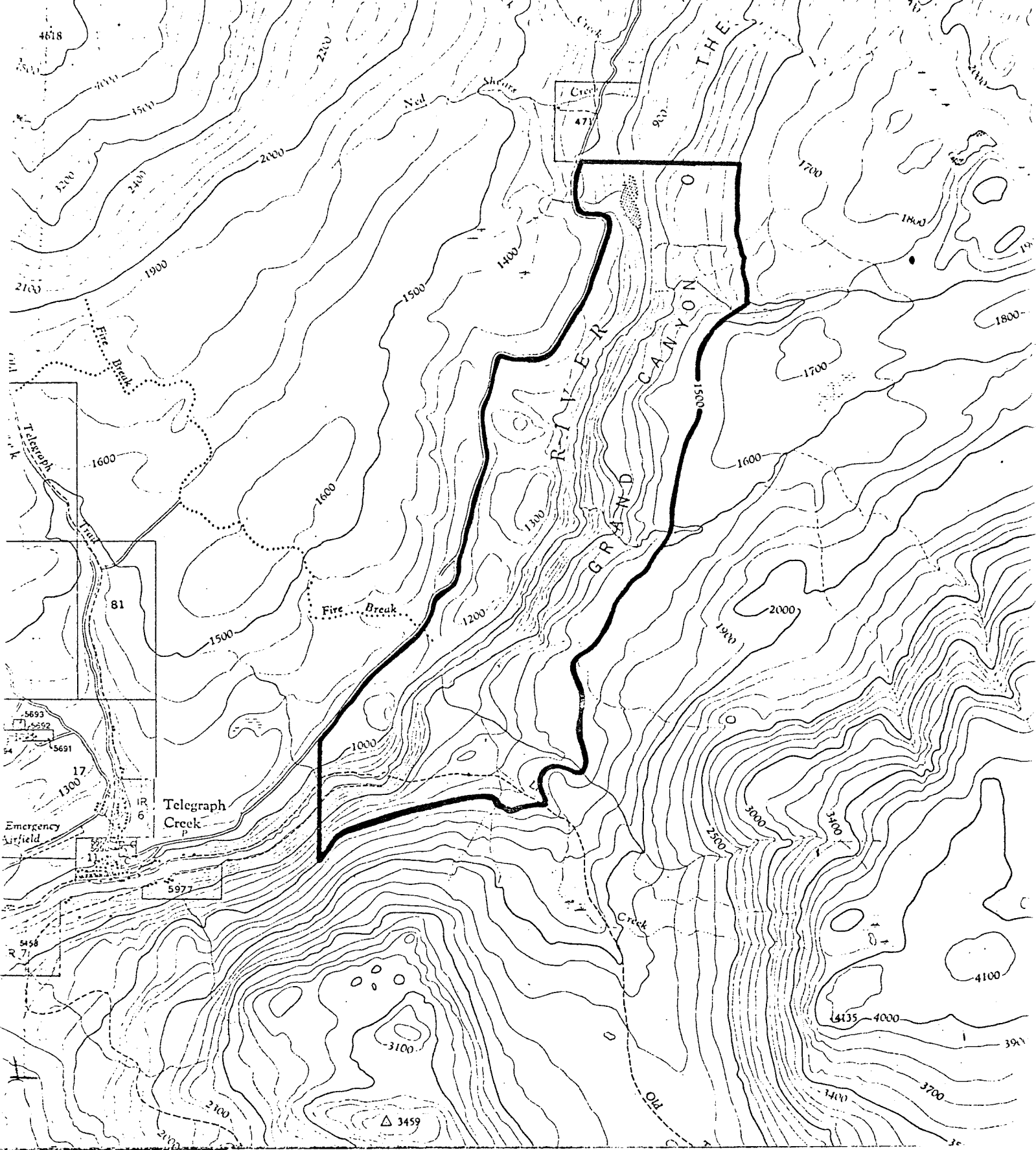
For Data Centre Use only

1. 1. Name of surveyor .....\*)V.J.Krajina, R.M.Annas, K.Klinka, R.G.McMinn and K.Sumanik.....
2. Address of surveyor .....\*) Department of Botany, University of British Columbia, Vancouver, B.C., Canada.....
3. Check Sheet completed (a) on site .....X..... (b) from records .....X.....
4. Date Check Sheet completed .....November 26, 1973.....

2. 1. Name of IBP Area Stikine River Canyon northeast of Telegraph Creek.
2. Name of IBP Subdivision (or serial letter) .....BWBS.....
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.

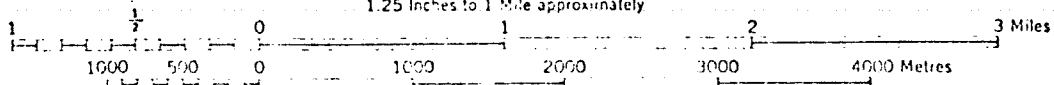


# TELEGRAPH CREEK

104 G/14E

CASSIAR DISTRICT  
BRITISH COLUMBIA

SCALE. 1:50,000  
1.25 Inches to 1 Mile approximately



3. Location of IBP Area\*

1. Latitude ..... 57 ..... ° 54.2-58°      N/W Longitude ..... 131 ..... ° 03.5-07.5°      W

2. Country ..... Canada .....

State or Province ..... British Columbia ..... County ..... Prince Rupert .....

(State or Province ..... County .....)

4. Administration

National 1. Official category ..... Crown Land .....

2. Address of administration ..... B.C. Department of Lands, Forests and .....  
Water resources, .....  
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) ..... 3,250 acres (includes river, rocks, scree slopes) .....

2. Altitude (state units of measurement) Maximum ..... 1500' (450m) .....  
Minimum ..... 550' (165m) .....

6. Climate    Dfb (Koppen)

Nearest climatological station :

1. Name ..... Telegraph Creek .....

2. Climatological station on IBP Area\*? Yes ..... No .....

3. If (2) not, distance from edge of IBP Area\* (state units) ..... 1.2 mi. .....

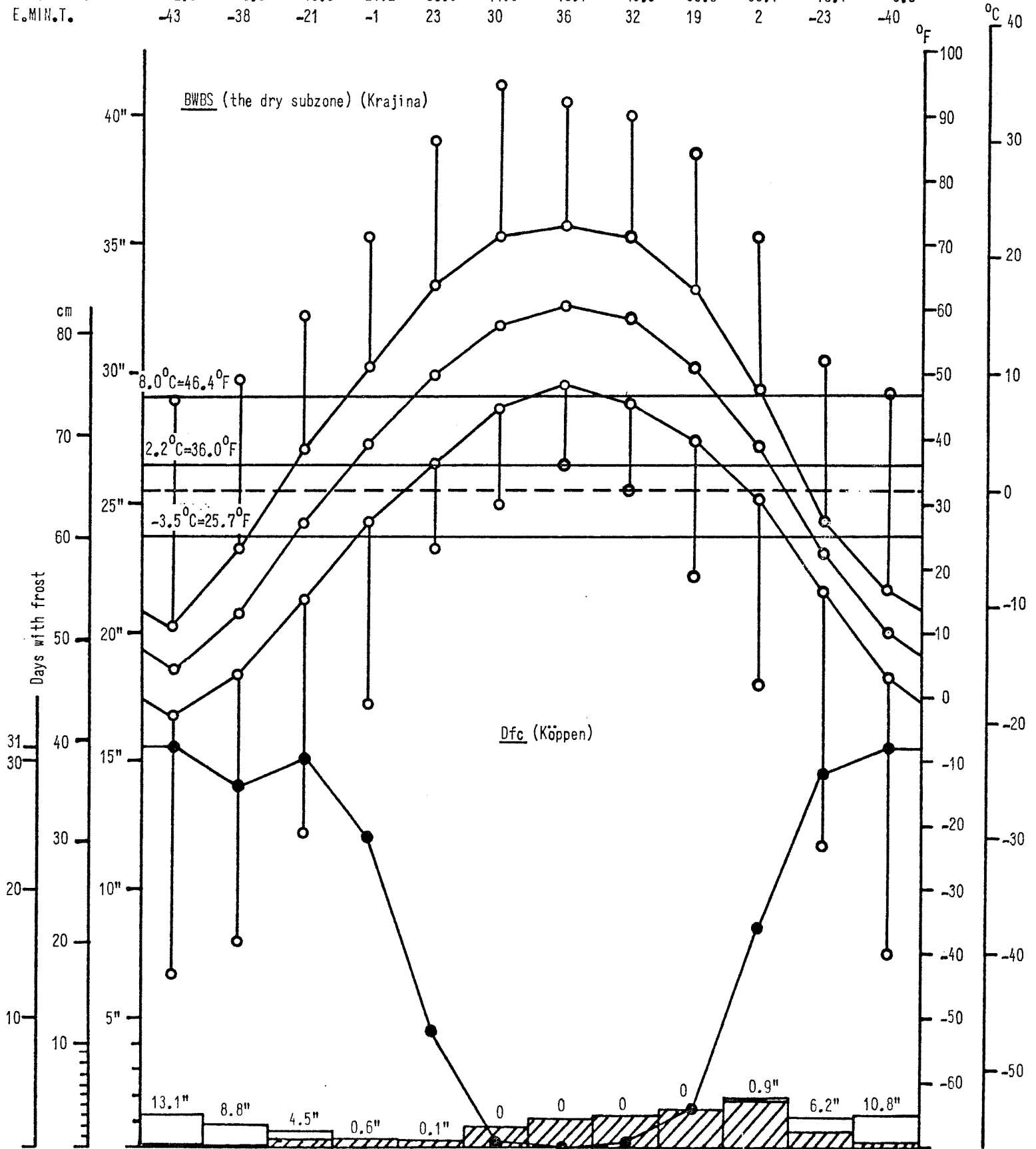
4. Direction from IBP Area\* ..... WSW .....

5. Additional data sheet attached? Yes ..... X ..... No .....

TELEGRAPH CREEK 57°54'N, 131°10'W, 700' ASL. Record: 10-20 years.

Months above 50°F: 4, below 32°F: 5, A.M.T.P.: 12.59", A.M.S.F.: 45.0", snow % A.M.T.P.: 35.74, days with frost, yearly: 202.

E. MAX. T.	46	49	59	71	86	95	92	90	84	71	52	47
M. D. MAX. T.	11.2	22.7	38.5	51.0	63.7	71.0	72.7	71.5	62.8	47.7	27.8	16.6
M. D. T.	4.3	13.0	26.9	39.1	49.9	57.7	60.4	58.5	51.2	39.2	22.3	10.0
M. D. MIN. T.	-2.8	3.3	15.3	27.2	36.0	44.3	48.1	45.5	39.9	30.7	16.7	3.9
E. MIN. T.	-43	-38	-21	-1	23	30	36	32	19	2	-23	-40



Days with frost	31	28	30	24	9	*	0	*	3	17	29	31
M.M.T.P.	1.38	0.93	0.64	0.37	0.35	0.71	1.18	1.26	1.45	1.96	1.12	1.24
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

7. Vegetation and Soil

1

Vegetation

BWBS (dry zone)

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	2	G	2	1		Achilleo(lanulosae)-Stipo(comatae)-Agropyretum borealis	
2	1	C	1	2	a	Juniperetum horizontalis	
3	2	B	1	3		Juniperetum scopulorum	
4	1	C	1	2	a	Arctostaphyletum uvae-ursi	
5	2	G	2	1		Calamagrostidetum purpurascens	
6	1	H	2	1		Roso(woodsii)-Agropyro(borealis)- Elaeagnetum commutatae	
7	1	B	2	1	a	Roso(acicularis)-Pruno(virginianae)- Populetum tremuloidis	
8	1	D	1	4	a	Arctostaphylo(uvae-ursi)-Pinetum contortae	
9	1	A	1	7	a	Elymo(innovati)-Arctostaphylo(uvae-ursi)- Calamagrostido(rubescens)-Picetum glaucae	
10						(and several other plant communities,	
11						which were not surveyed)	
12							
13							
14							
15							
16							
17							
18							
19							
20							

borealis

7.  
(cont.)

2

Soil

SWBS (dry zone)

Community Reference Number	Soil type	Other notes
1	AC F <sub>1</sub> /I <sub>2</sub>	Chernozemic Regosol
2	ABC F <sub>5</sub>	Brunisol
3	ABC F <sub>5</sub>	Brunisol
4	ABC F <sub>5</sub>	Brunisol
5	ABC F <sub>5</sub>	Brunisol
6	AC/ABC I <sub>2</sub> /F <sub>5</sub>	Regosol-Luvisol
7	ABC F <sub>5</sub>	Luvisol
8	ABC F <sub>5</sub>	Brunisol
9	AC/ABC I <sub>2</sub> /F <sub>5</sub>	Silty Sand Regosol - Brunisol
10		(and several others - however no indication
11		of proper podzolization)
12		
13		
14		
15		
16		
17		
18		
19		
20		





9. Landscape

1. General Landscape (give brief description) deeply cut canyon of the Stikine River.

2. Relief Type

	Flat	Undulating (0)-200 m.	Hilly 200-1000 m.	Mountainous > 1000 m.	%
Sharply dissected			20		20
Gently dissected			20		20
Incised			50		50
Skeletonised			10		10
%			100		100%

3. Special landscape features (list) A spectacular canyon, easily observable from the road which would be a border of a potential reserve.

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) .....

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		
Running	X	

2. Standing Water

	Permanent	Intermittent	Unproductive	Productive
Swamps				
Ponds				
Lakes				

3. Running Water

	Permanent	Intermittent
Springs, cold		
Springs, hot		
Streams (Eight Mile Creek)	X	X
Rivers (Stikine River)	X	

4. Special freshwater features .....

.....

12. Salt and Brackish Water within IBP Area\*

nil (some solonchalic habitats are indicated by Hordeum jubatum)

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\*) nil

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		X										
Aves	X	X		X								
Reptilia												
Amphibia												
Pisces												
Insecta	X	X		X								

(locusts are frequent)

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

.....

.....

.....

.....

.....

.....

.....

.....

4. Flora

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

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

.....

.....

.....

15.

Exceptional Interest of IBP Area\*

A marvellous canyon in the dry subzone of the BWBS, easily  
 .....  
 observable from the road; grassland communities are unique.....  
 .....  
 .....  
 .....

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					X	
Drainage					X	
Other soil disturbance			X			
Grazing					X	
Selective flora disturbance					X	
Logging					X	
Plantation					X	
Hunting			X			
Removal of predators			?		?	
Pesticides					X	
Introductions — plants					X	
Introductions — animals			X			
Fire	X				?	
Permanent habitation			X			
Recreation and tourism			X			
Research			X			

(by road)

(dogs)

(fire is part of the environment)  
(close)

3. Additional details on each type of impact attached?

Yes ..... No ..... X

17. Conservation Status (Future)

	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.

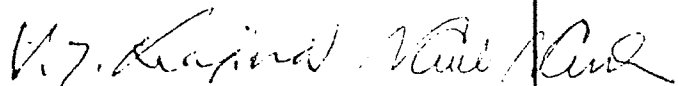
List attached? Yes ..... No .....

3. Aerial photographs for the IBP Area available?

For whole area ..... <sup>X</sup> ..... For part of area ..... None .....

19. Other Relevant Information

It is hoped, that this area could become an ecological reserve as to prevent any intentions to destroy this area by any dams built on the Stikine River.

  
 Signed V.J.Krajina, R.M.Annas,  
 (Surveyor)  
 K.Klinka, R.G.McMinn, K.Sumanik.