

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.)

Northwest of Tye and west of Highway 16

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

CWHa/b

4. Approximate total acreage.

94 acres

5. Purpose of the reserve.

To preserve the last standing old western redcedar (Thuja plicata) stand in perhumid climate close to Prince Rupert

- (a) Primary (state acreage)

94 acres

- (b) Others if any (state acreage)

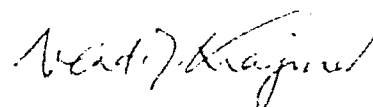
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- (c) Buffer areas (state acreage)

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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.

Thuja plicata, Picea sitchensis, Isuga heterophylla, Abies amabilis, Populus trichocarpa,  
Isuga heterophylla x I. mertensiana



Signature V.J. Krajina  
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

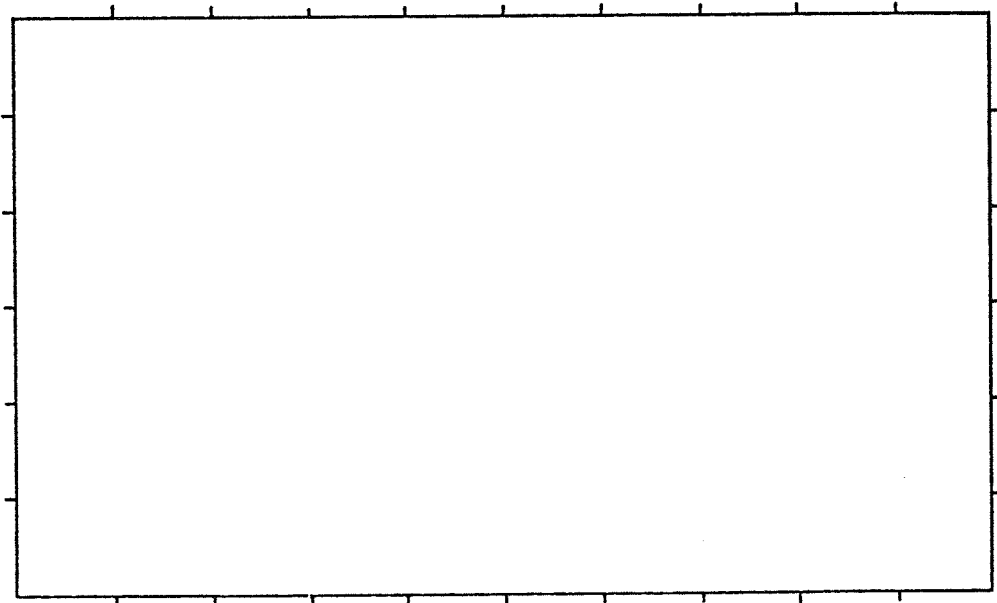
Serial Number

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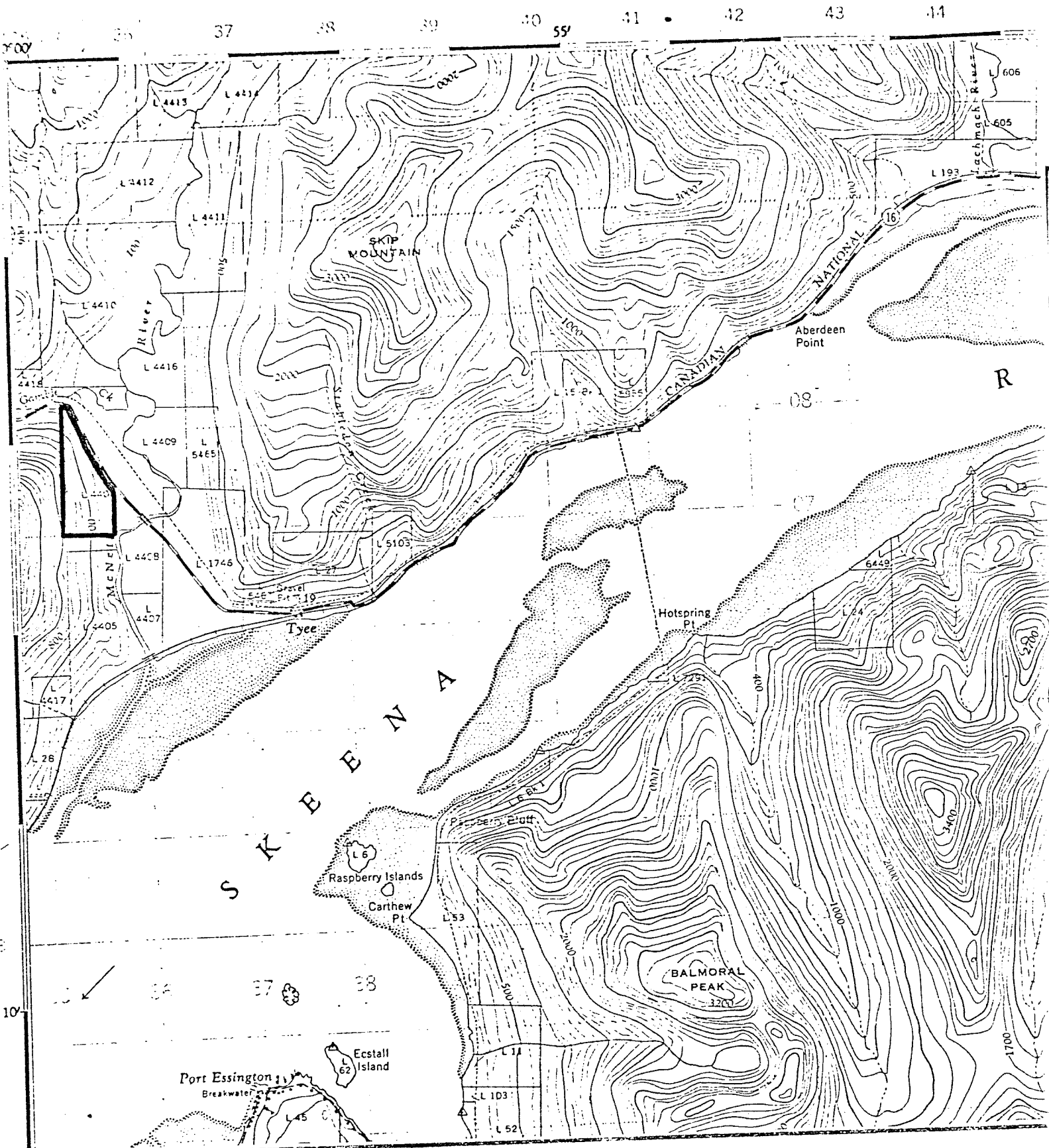
For Data Centre Use only

1. 1. Name of surveyor ..... V.J. Krajina .....
2. Address of surveyor ..... Department of Botany, University of British Columbia, .....  
 ..... Vancouver 8, B.C., Canada .....  
 .....
3. Check Sheet completed (a) on site ..... (b) from records .....
4. Date Check Sheet completed .....

2. 1. Name of IBP Area ..... Northwest of Tye and west of Highway 16 .....
2. Name of IBP Subdivision (or serial letter) ..... CWHa/b .....
3. Map of IBP Area\* showing boundaries attached? Yes .....<sup>X</sup> No .....
4. Sketch map of IBP Area\*. Please mark direction of north, the scale and grid numbers where applicable.

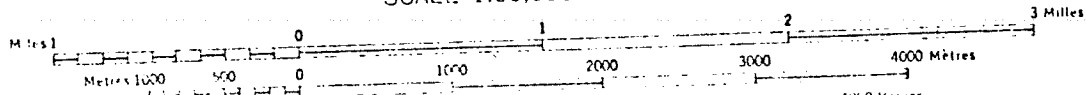


\* For " IBP Area ", read IBP Area and/or IBP Subdivision.



**PORT ESSINGTON**  
 COAST DISTRICT RANGE 5  
 BRITISH COLUMBIA

SCALE 1:50,000 ÉCHELLE



3. Location of IBP Area\*

1. Latitude.....54.....° 12.5 - 13.2' N Longitude.....129.....° 59.1 - 59.6 W
2. Country ..... Canada .....
- State or Province ..... British Columbia ..... County ..... Prince Rupert .....
- (State or Province ..... County .....

4. Administration

- National 1. Official category L 440 .....
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) ..... 94 acres .....
2. Altitude (state units of measurement) Maximum ..... 900' (270 m) .....
- Minimum ..... 100' (30 m) .....

6. Climate

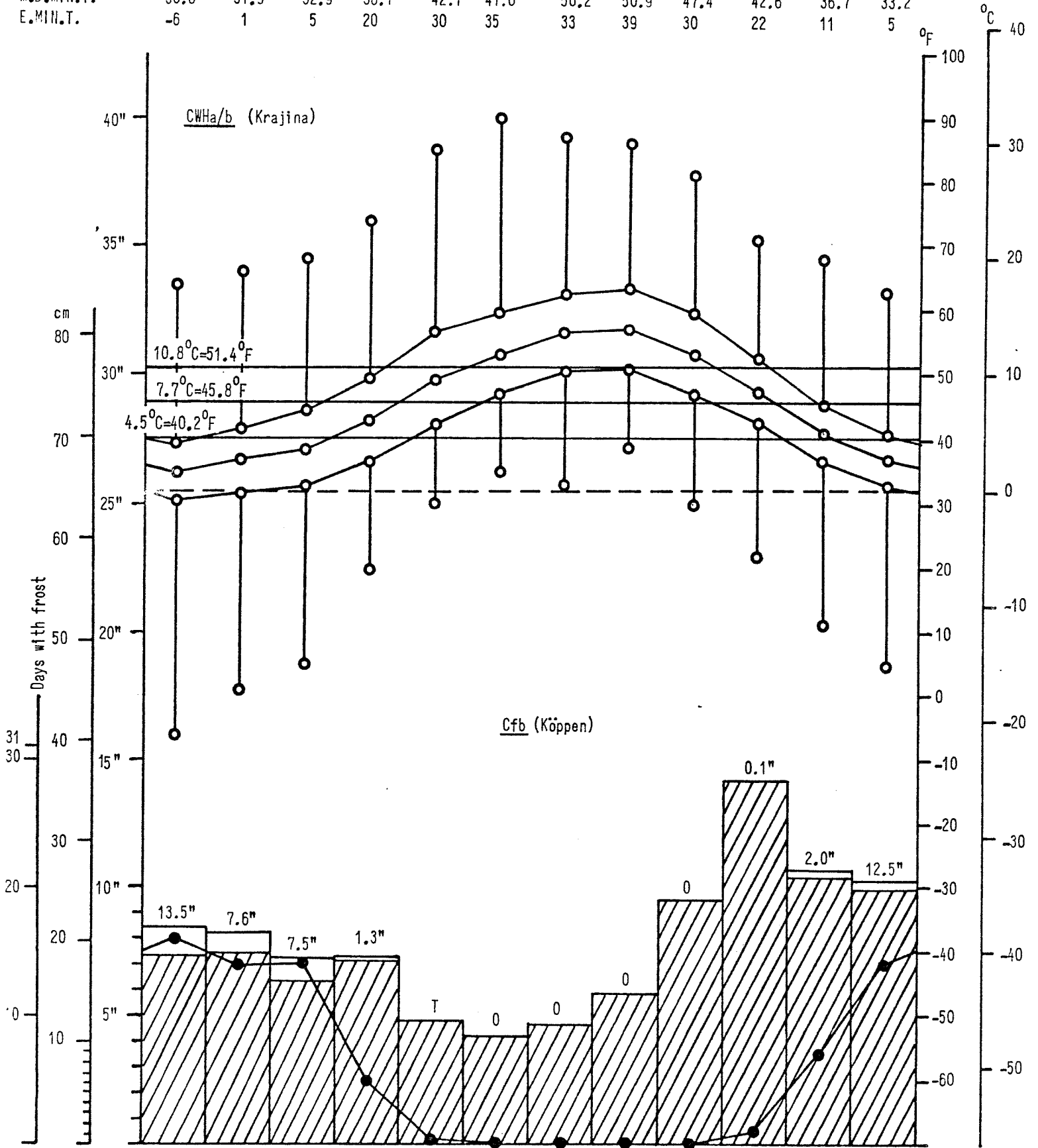
Nearest climatological station :

1. Name ..... Prince Rupert .....
2. Climatological station on IBP Area\*? Yes ..... No ..... X .....
3. If (2) not, distance from edge of IBP Area\* (state units) ..... 16 miles .....
4. Direction from IBP Area\* ..... WNW .....
5. Additional data sheet attached? Yes ..... X ..... No .....

PRINCE RUPERT 54°17'N, 130°23'W, 170' ASL. Record: 20-55 years, adjusted.

Months above 50°F: 4, below 32°F: 0, A.M.T.P. 95.06", A.M.S.F. 44.5", snow % A.M.T.P.: 4.68, days with frost: 71.

E.MAX.T.	64	66	68	74	85	90	87	86	81	71	68	63
M.D.MAX.T.	39.9	41.8	44.4	49.7	56.5	59.5	62.5	63.3	59.8	52.6	45.7	41.4
M.D.T.	35.3	36.9	38.7	43.2	49.3	53.3	56.4	57.1	53.6	47.6	41.2	37.3
M.D.MIN.T.	30.6	31.9	32.9	36.7	42.1	47.0	50.2	50.9	47.4	42.6	36.7	33.2
E.MIN.T.	-6	1	5	20	30	35	33	39	30	22	11	5



Days with frost	16	14	14	5	*	0	0	0	0	1	7	14
M.M.T.P.	8.43	8.22	7.10	7.24	4.83	4.22	4.76	5.79	9.52	14.14	10.60	10.21
MONTH	IAN	FEF	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

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	Rhytidiadelpho (lorei) - Blechno (spicanti) - Copto (asplenifolii) - Vaccinio (ovalifolii - alaskaensis) - Piceo (sitchensis) - Abieto (amabilis) -	
2	1	A	1	7	a	Rhizomnio (pseudopunctati) - Oplopanaco (horridi) - Abieto (amabilis) - Thujetum plicatae	
3	1	A	1	7	a	Hylocomio (splendentis) - Rhytidiadelpho (lorei) - Vaccinio (alaskaensis) - Tsugetum heterophyllae	
4	1	A	1	7	a	Rhizomnio (pseudopunctati) - Lysichito (americani) - Alno (rubrae) - Thujetum plicatae	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Thujetum plicatae

7.  
(cont.)

2

Soil

Community Reference Number	Soil type	Other notes
1	ABGC F <sub>5</sub> /P <sub>2</sub>	Gleyed (Ferro) - Humic Podzol
2	ABGC F <sub>5</sub> /P <sub>2</sub>	Gleyed Humic Podzol
3	ABC F <sub>5</sub>	Humic Podzol
4	AGC/A P <sub>2</sub> /O	Gleysol - Organic (muck)
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		





9. Landscape

1. General Landscape (give brief description) .....

.....

.....

.....

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

3. Special landscape features (list) .....

.....

.....

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	X	X
Rivers		

4. Special freshwater features .....

.....

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

Skeena River

2. Salt and Brackish

Estuary	Salt lake	Salt pool	Lagoon	Ocean		
X				X		

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										
Reptilia		?										
Amphibia		X										
Pisces												
Insecta		X										

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

Bald eagle (Haliaeetus leucocephalus) is frequent here.  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....

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					
grass		X									
Gymnospermae		X			X	X					
Pteridophyta		X				X					
Bryophyta		X				X					
Lichens and Algae		X									

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

Abies amabilis (over 300 years old) and Thuja plicata are well developed here and do not grow very much further to the north along the coast.

15. Exceptional Interest of IBP Area\*

This is the best standing Thuja plicata stand of better western redcedar trees along the Highway 16. If the timber belongs to a company, it should be bought and not allowed to be harvested. In that case it is hoped that the B.C. Centennial Fund could help.

16. Significant Human Impact

1. General : None in entire IBP Area\* ..... X except that road is on the boarder.  
 None in part of IBP Area\* .....  
 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						
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

by road

is planned?

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	
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.

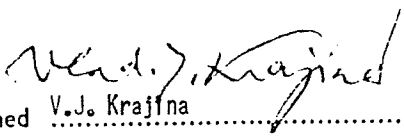
List attached? Yes ..... No .....

3. Aerial photographs for the IBP Area available?

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

19. Other Relevant Information

It would be hardly recommendable to harvest the trees so close to the highway, by which so many tourists are passing every year. The scenic beauties will be greatly impaired.

  
 Signed V.J. Krajina  
 (Surveyor)