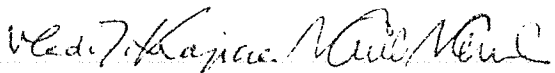


APPLICATION FOR ECOLOGICAL RESERVE

1. Legal description of the area (or general "Metes and bounds" description)
2. Geographical location (relate to nearest settlement, mountain, river, etc.)
Opposite Shames (an old railway station), between railway and Skeena River
3. Indicate the biogeoclimatic zone of which the reserve is representative.
CWHa
4. Approximate total acreage.
111 acres
5. Purpose of the reserve.
To preserve an easily accessible small area of alluvial flood plain with Sitka spruce.
 - (a) Primary (state acreage)
No. 3: 18 acres
 - (b) Others if any (state acreage)
No. 2: 56 acres
 - (c) Buffer areas (state acreage)
No. 1: 37 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.

Picea sitchensis, Thuja plicata, Tsuga heterophylla, Abies amabilis (very little), Populus trichocarpa, Alnus rubra, Populus tremuloides (these few trees should remain here as easily observable part of magnificent scenery which would be worsened by their removal.


Signature V.J. Krajina and K. Klinka
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

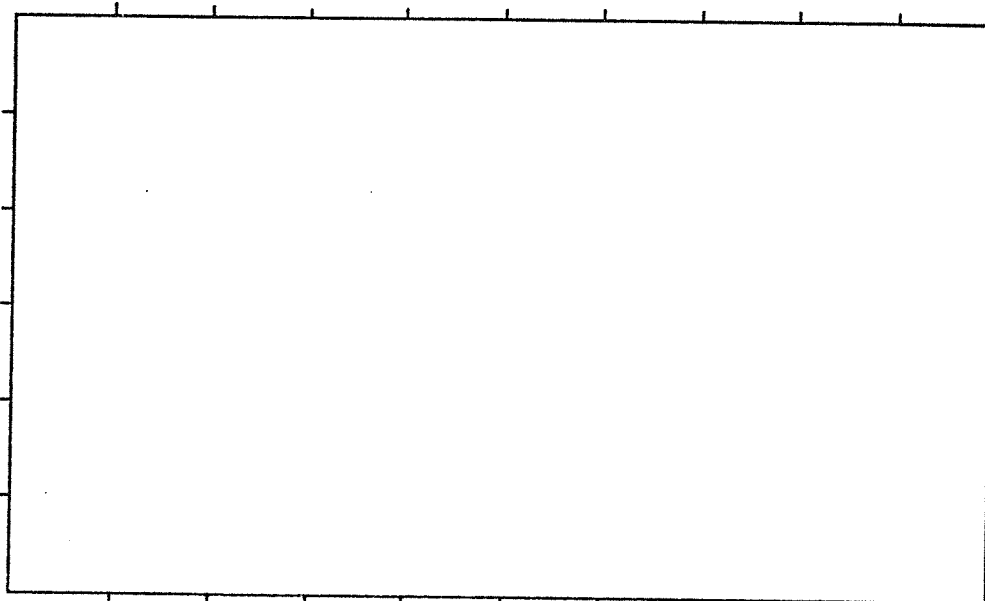
Serial Number

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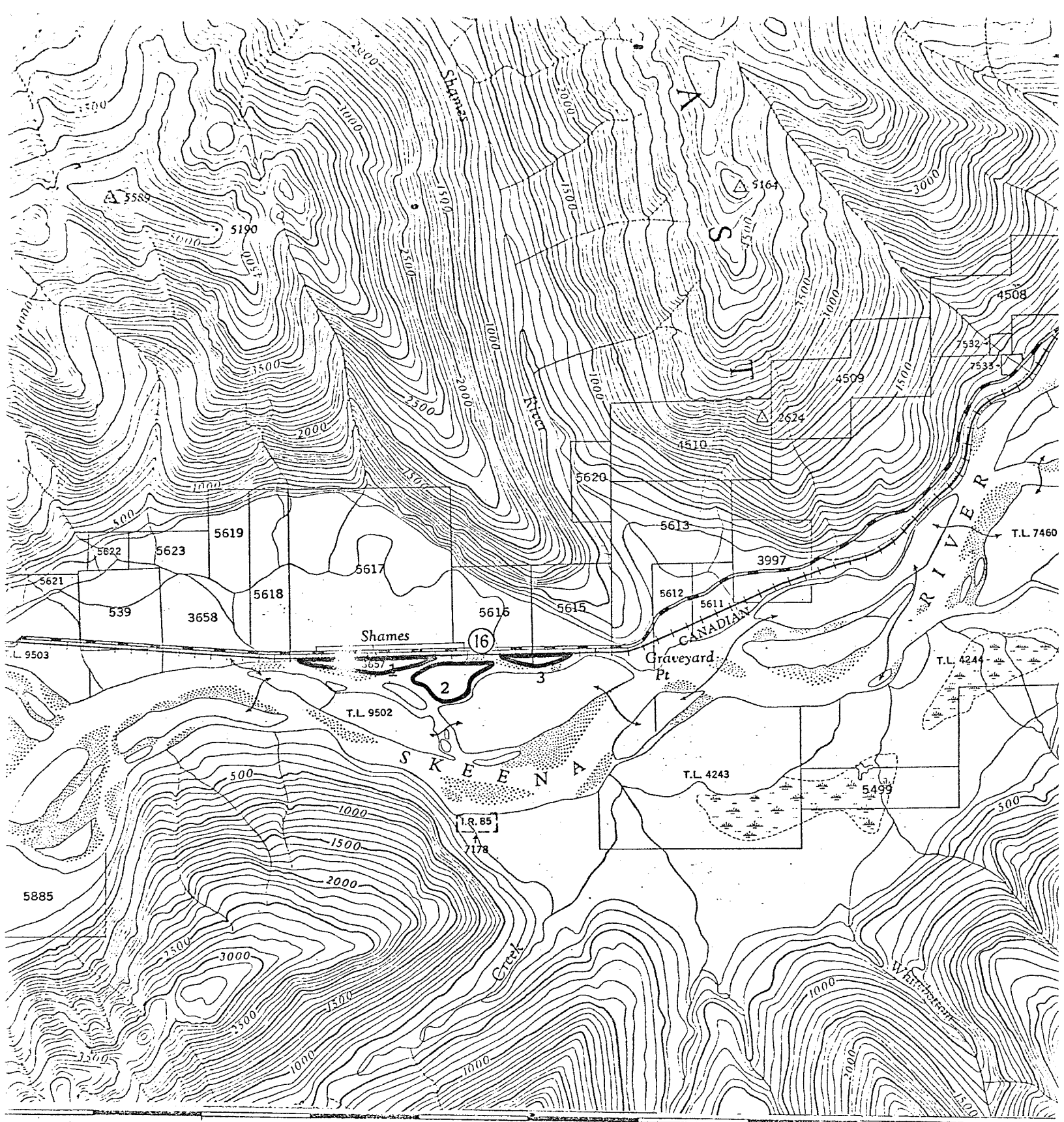
For Data Centre Use only

- 1.
1. Name of surveyor ... V.J. Krajina and K. Klinka
 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 Opposite Shames (an old railway station) between railway and Skeena River
 2. Name of IBP Subdivision (or serial letter) CWHa
 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.



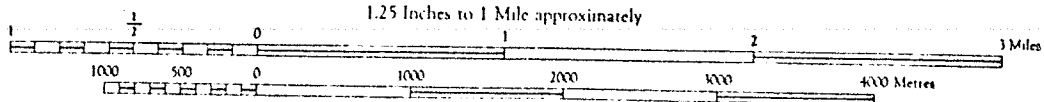
55'

50'

LAKELSE

COAST DISTRICT RANGE 5
BRITISH COLUMBIA

Scale 1:50,000
1.25 Inches to 1 Mile approximately



3. Location of IBP Area*

- 1. Latitude54.° 24.3-24.6' N Longitude.....128.° 46.6-47.3' 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) 111 acres: 1 (37 acres) 2 (56 acres) 3 (18 acres) -primary for the proposed reserve
- 2. Altitude (state units of measurement) Maximum <100' (30 m)
- Minimum <100' (30 m)

6. Climate

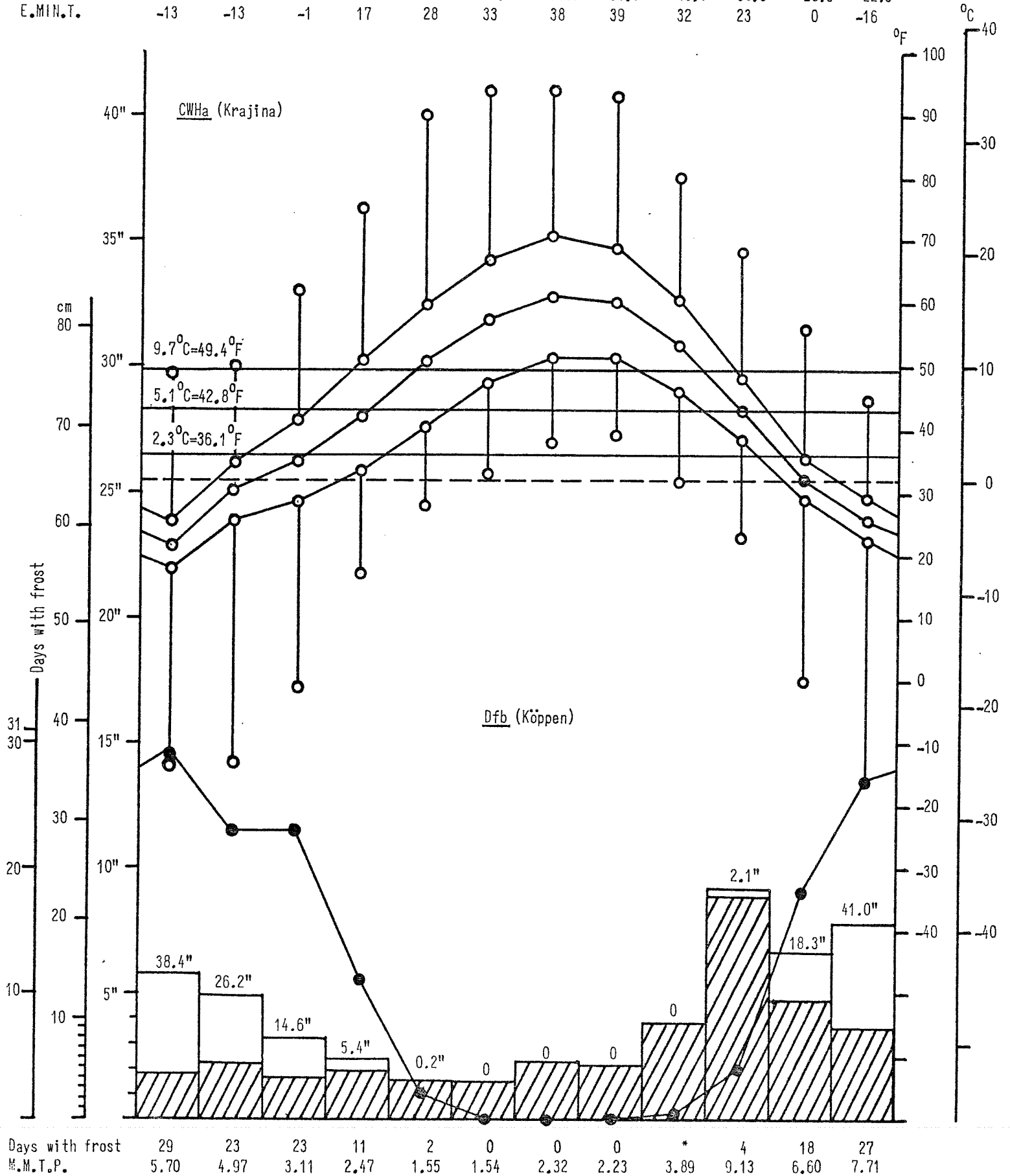
Nearest climatological station :

- 1. Name ...Terrace.....
- 2. Climatological station on IBP Area*? Yes No X
- 3. If (2) not, distance from edge of IBP Area* (state units) 16 mi.
- 4. Direction from IBP Area* EENE
- 5. Additional data sheet attached? Yes X No

TERRACE AIRPORT 54°28'N, 128°35'W, 719' ASL. Record: 15-16 years, adjusted.

Months above 50°F: 5, below 32°F: 3, A.M.T.P. 51.22", A.M.S.F. 146.2", snow % A.M.T.P.: 28.54, days with frost, yearly: 137.

E.MAX.T.	49	50	62	75	90	94	94	93	80	68	56	45
M.D.MAX.T.	25.7	34.9	41.5	50.7	59.9	66.8	70.6	68.5	60.6	48.1	35.8	29.3
M.D.T.	21.8	30.3	35.2	42.3	50.3	57.2	61.1	60.0	53.4	43.3	32.4	25.9
M.D.MIN.T.	17.9	25.7	28.8	33.8	40.5	47.5	51.5	51.5	46.0	38.6	28.9	22.5
E.MIN.T.	-13	-13	-1	17	28	33	38	39	32	23	0	-16

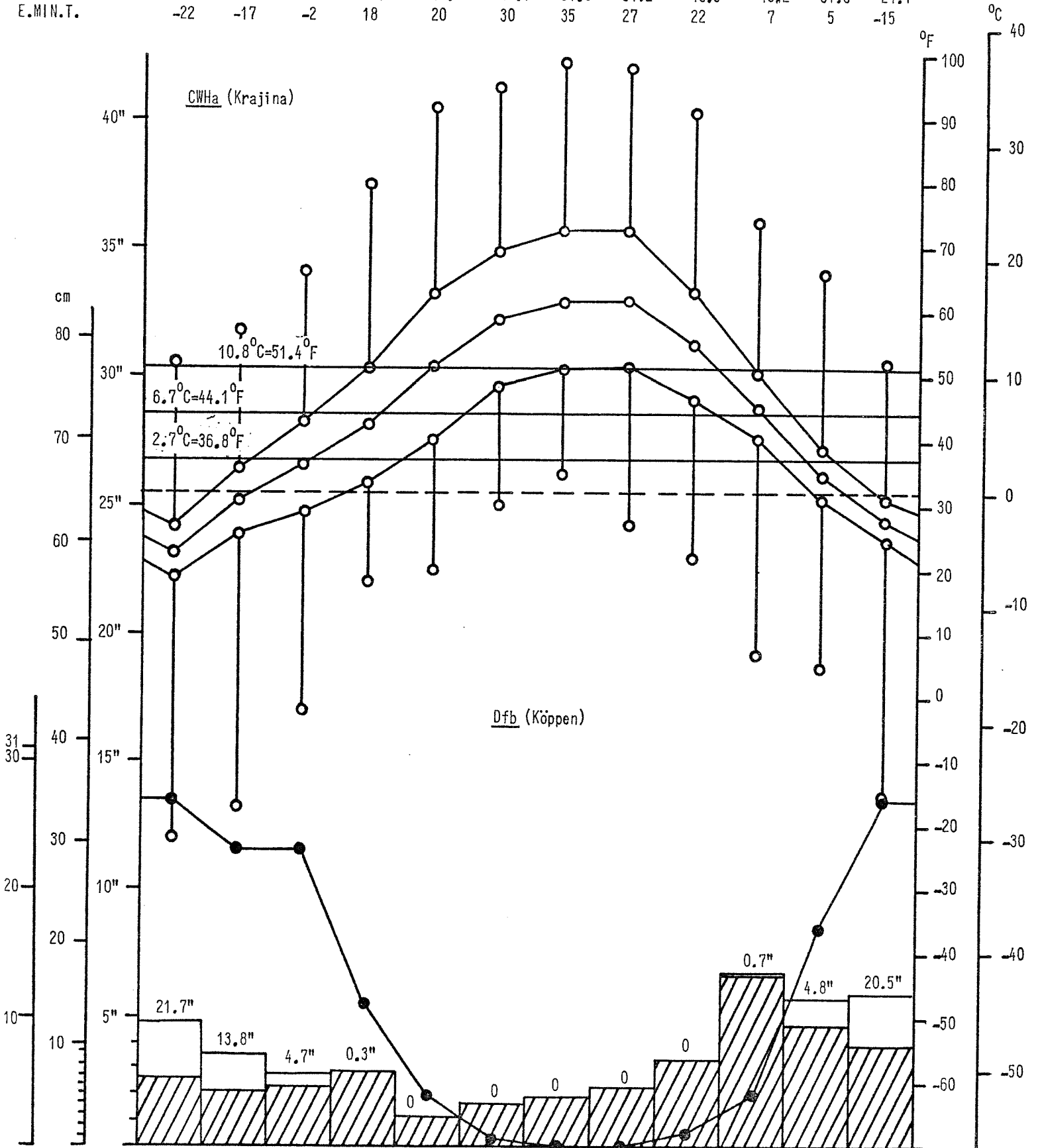


Days with frost
M.M.T.P.

TERRACE · 54°30'N, 128°30'W, 200' ASL. Record: 10-41 years, adjusted.

Months above 50°F: 5, below 32°F: 3, A.M.T.P. 43.25", A.M.S.F. 71.5", snow % A.M.T.P.: 16.53, days with frost, yearly: 137.

E.MAX.T.	52	57	66	80	92	95	99	98	91	74	66	52
M.D.MAX.T.	26.9	35.9	43.3	51.4	62.6	69.1	72.4	72.5	63.0	50.2	38.4	31.0
M.D.T.	23.0	30.9	36.2	42.6	51.7	58.6	61.7	61.9	59.8	45.2	34.9	27.9
M.D.MIN.T.	19.0	25.8	29.1	33.8	40.7	48.1	51.0	51.2	46.5	40.2	31.3	24.7
E.MIN.T.	-22	-17	-2	18	20	30	35	27	22	7	5	-15



Days with frost	27	23	23	11	4	*	0	0	1	4	17	27
M.A.M.T.P.	4.38	3.55	2.86	2.96	1.17	1.56	1.99	2.38	3.47	6.77	5.75	5.96
MONTH	JAN	FEB	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	B	2	1	a	Corno (stoloniferae) - Lysichito (americani) - Salicetum sitchensis - lasiandrae	
2	1	A	2	1		Plagiomnio (insignis) - Rubo (spectabilis) - Equiseto (arvensis & pratensis) - Populetum trichocarpae	
3	1	A	1	7	a	Plagiomnio (insignis) - Disporo (oregani) - Gymnocarpio (dryopteridis) - Populo (trichocarpae) - Piceetum sitchensis	
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

7.
(cont.)

2

Soil

Community Reference Number	Soil type	Other notes
1	A(G)C P ₂ /I ₂	Gleyed Regosol
2	AC I ₂	Regosol
3	AC I ₂	Regosol (with some slight podzolization)
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

9. Landscape

1. General Landscape (give brief description)
 At the bottom of the Skeena River valley.

2. Relief Type

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

3. Special landscape features (list)
 it is a part of a flood plain

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

3. Physiography. % of coast

Cliffed	Sloping	Flat

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			X	
Lakes				

3. Running Water

	Permanent	Intermittent
Springs, cold		
Springs, hot		
Streams		
Rivers	X	

4. Special freshwater features
 This area is briefly flooded every year (in June or in autumn).

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		

Brackish water does not come here with a high tide.

4. Flora

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

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

..... Among rare plants here is Matteucia struthiopteris.

15. Exceptional Interest of IBP Area*

..... This small area should be preserved already from the aesthetic
 point of view, because many tourists, passing here, will enjoy
 the magnificent scenery, enlivened by some fairly high Sitka spruce
 trees.

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.

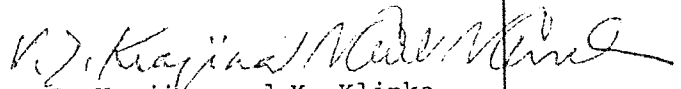
List attached? Yes ^X No

3. Aerial photographs for the IBP Area available?

For whole area For part of area None

19. Other Relevant Information

The public will enjoy the preservation of this area.

Signed 
 V.J. Krajina and K. Klinka
 (Surveyor)