

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.)

Tahltan River Canyon and the segment of the Stikine River Canyon (Nahlin Plateau).

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

BWBS ( the dry subzone)

4. Approximate total acreage.

1843 acres      746 ha

5. Purpose of the reserve.

(a) Primary (state acreage)

1843 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. All trees growing here have no commercial

value: Picea glauca, Pinus contorta, Abies lasiocarpa, Populus tremuloides,

P. trichocarpa(very little), Betula papyrifera(very low)

V.J. Krajina  
Katherine J. Beamish  
V.J. Krajina

Katherine J. Beamish  
V.J. Krajina, K.I. Beamish, R.M. Annas,  
L.K. Wade, K. Klinka, R.G. McMinn, K. Sumanik  
Signature

G. Otto  
I.B.P. Surveyor

3. Location of IBP Area\*

1. Latitude 58 ° 00.3-02.2° N/~~W~~ Longitude 130 ° 57.5-59.7° ~~E~~/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) <input checked="" type="checkbox"/>

5. Characteristics of IBP Area\*

1. Surface area (state units of measurement) 1843 acres

2. Altitude (state units of measurement) Maximum 2000° (600m)  
 Minimum 700° (210m)

6. Climate

Nearest climatological station :

1. Name Telegraph Creek (compare with Atlin)

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

3. If (2) not, distance from edge of IBP Area\* (state units) 9mi.

4. Direction from IBP Area\* SW

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

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

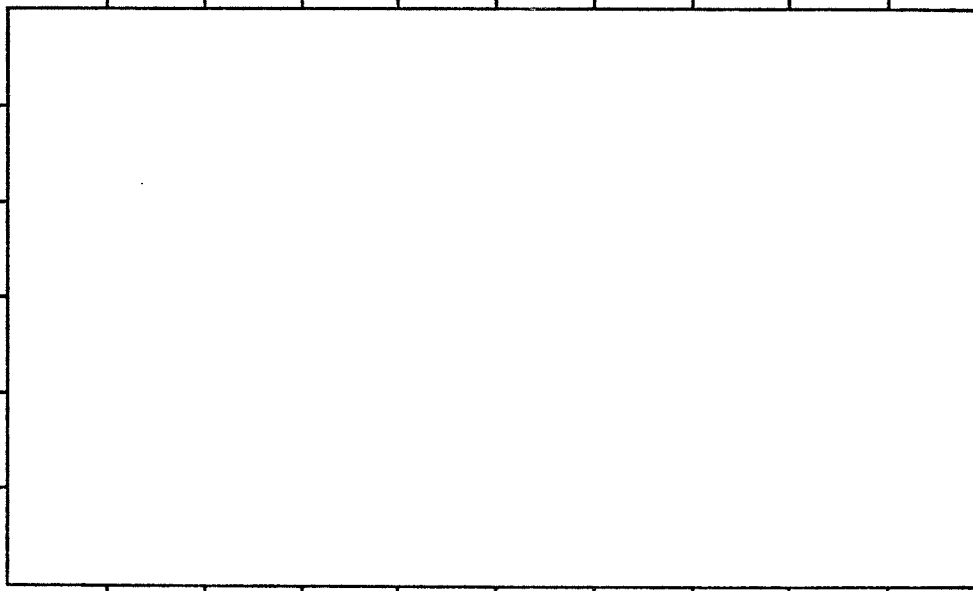
Serial Number

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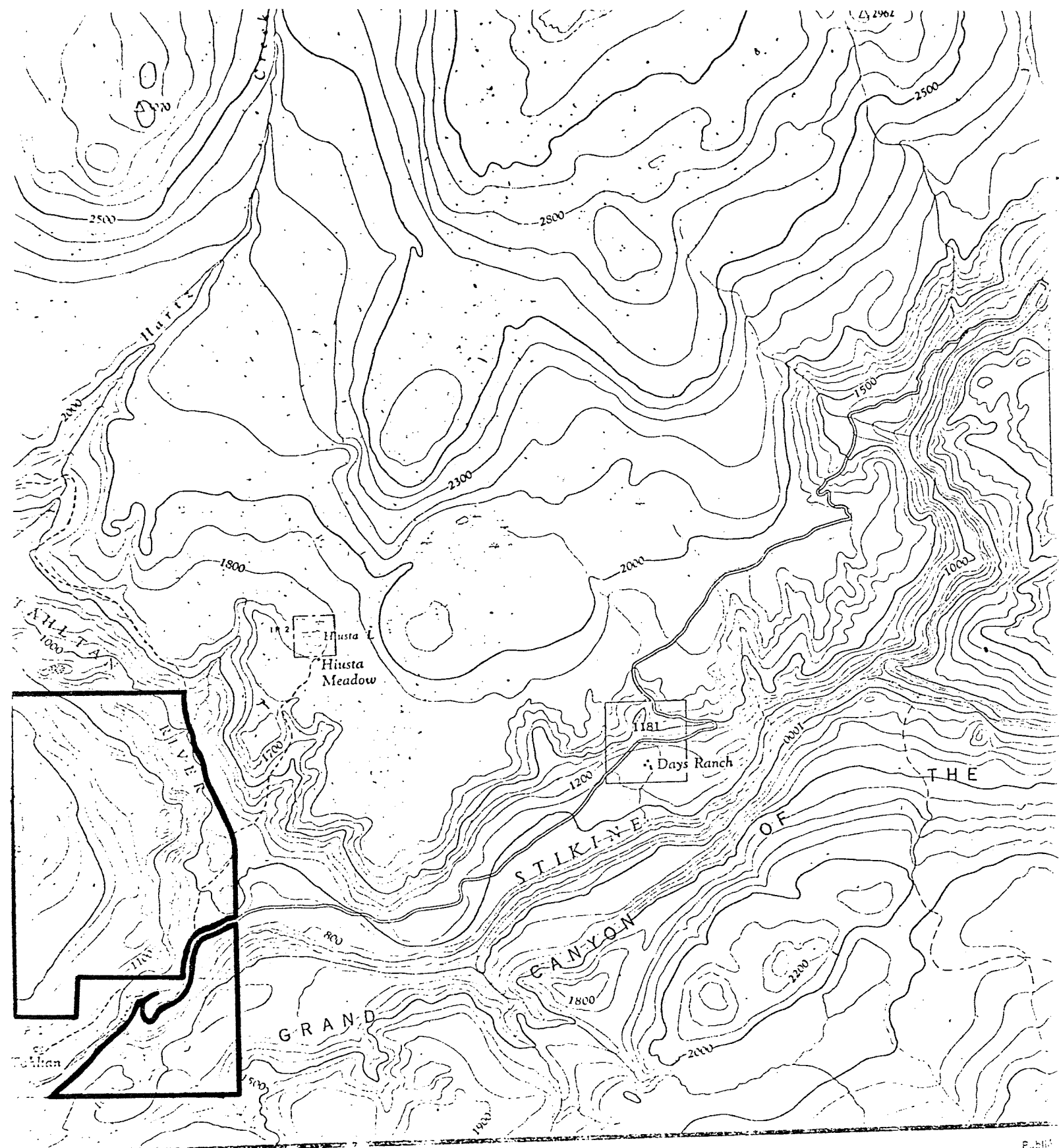
For Data Centre Use only

1. Name of surveyor ..... **V.J.Krajina\*), L.K.Wade, K.I.Beamish, R.M.Annas, K.Klinka, R.G.McMinn, K.Sumanik and G.Otto.** .....
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 ..... **X**.....
4. Date Check Sheet completed ..... **November 25, 1973** .....

2. Name of IBP Area .. **Tahltan River Canyon and the segment of the Stikine River Canyon (Nahlin Plateau).** .....
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.



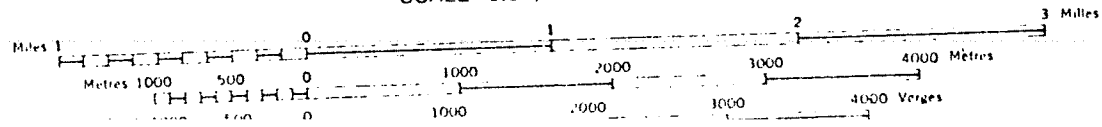
ISHMENT,

# CLASSY CREEK

CASSIAR DISTRICT

BRITISH COLUMBIA

SCALE 1:50,000 ÉCHELLE



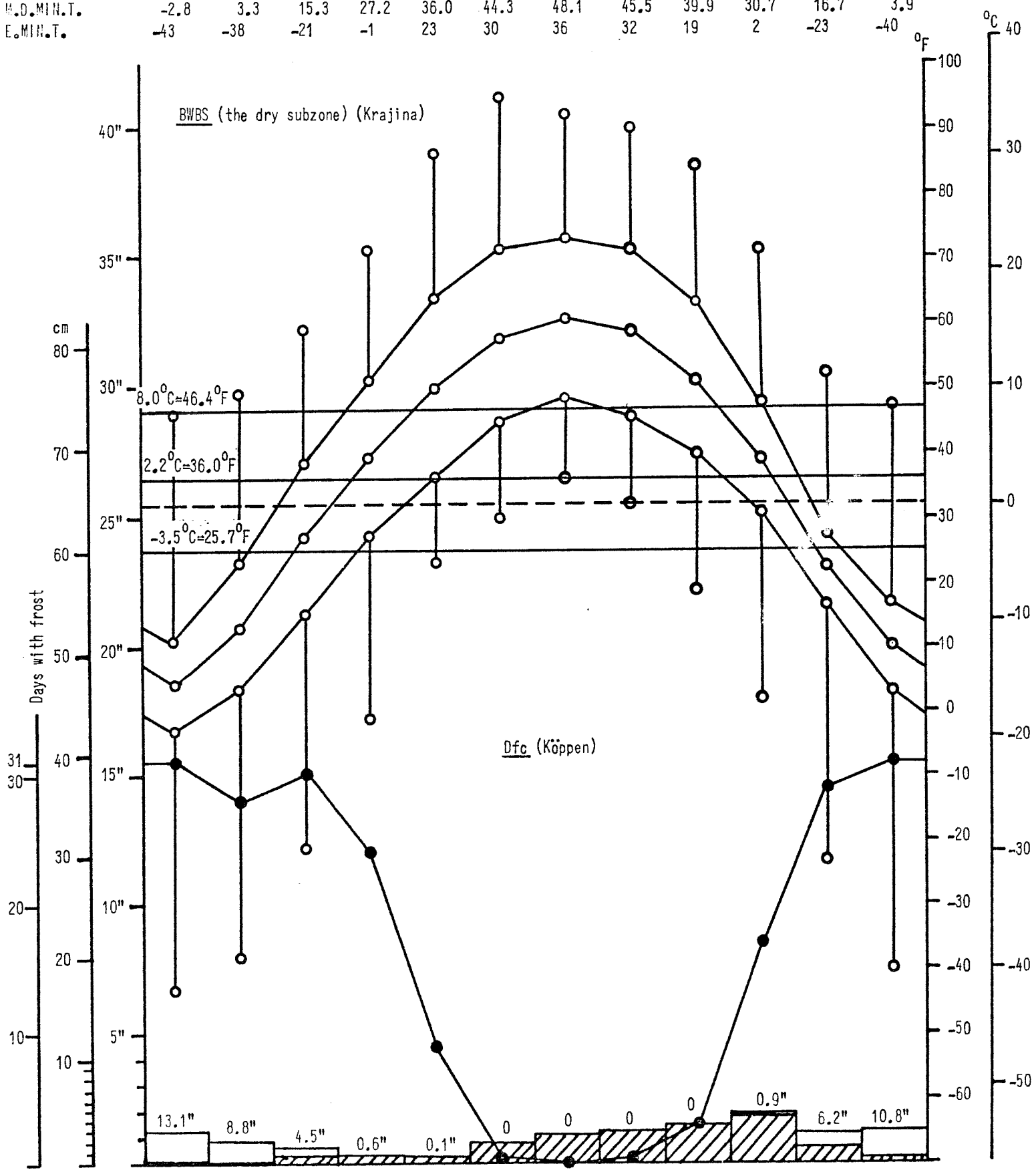
Public  
MINI  
Rens  
Ges  
m n

P. 112  
S. 111

TELEGRAPH CRIFK 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

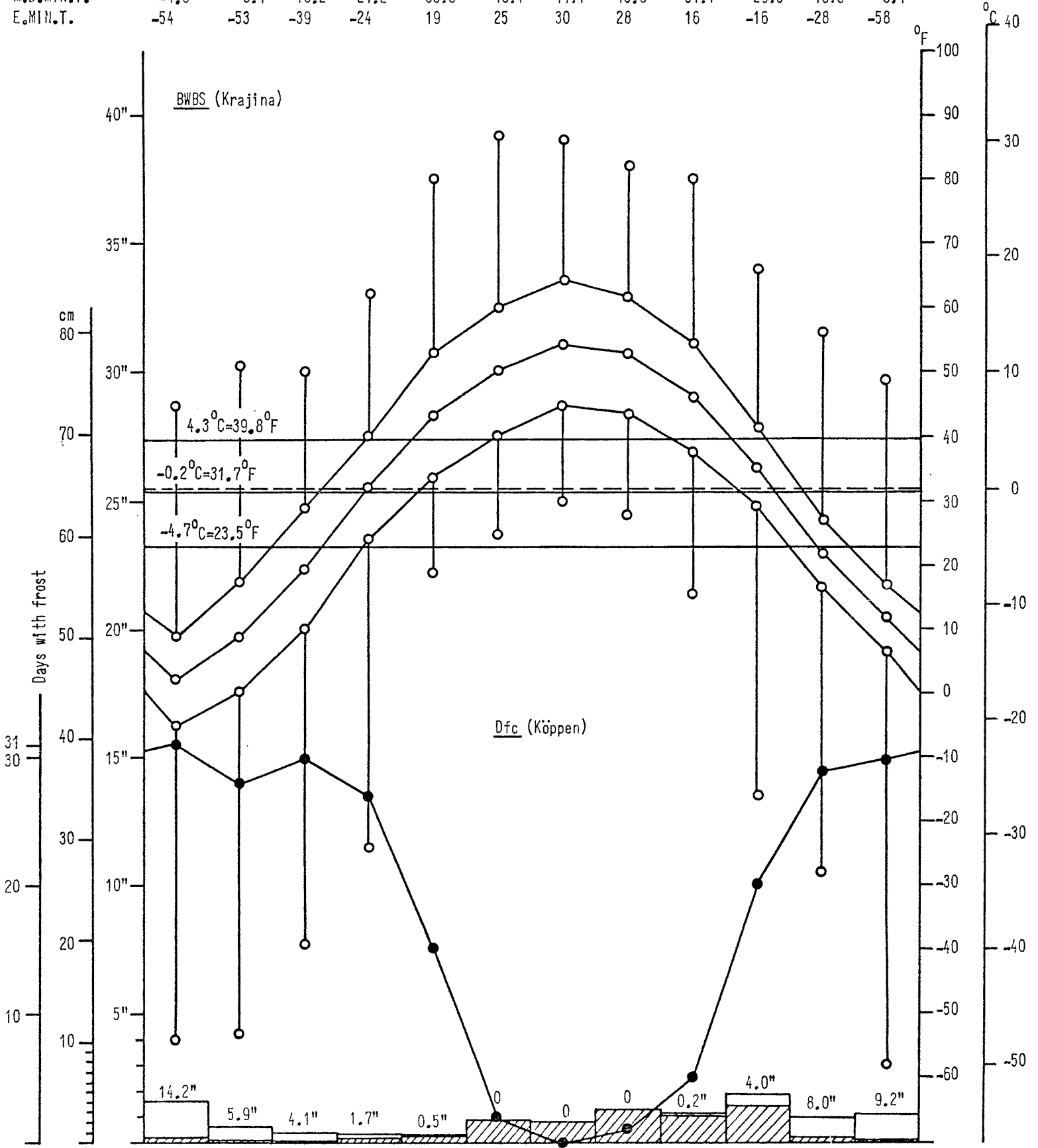


Days with frost	31	28	30	24	9	*	0	*	3	17	29	31
M.M.T.P.	1.38	0.93	0.64	0.37	0.35	0.71	1.18	1.26	1.45	1.96	1.12	1.24
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

ATLIN 59°34'N, 133°42'W, 2300' ASL. Record: 42-47 years, adjusted.

Months above 50°F: 3, below 32°F: 5, A.M.T.P.: 11.15", A.M.S.F.: 47.8", snow % A.M.T.P.: 42.87, days with frost, yearly: 218.

E.MAX.T.	45	51	50	62	80	87	86	82	80	66	56	49
M.D.MAX.T.	9.2	17.8	29.2	40.4	53.1	60.0	64.4	62.0	54.6	41.6	27.6	17.2
M.D.T.	2.2	9.1	19.7	32.3	43.5	50.1	54.6	52.9	46.2	35.5	22.1	11.8
M.D.MIN.T.	-4.8	0.4	10.2	24.2	33.8	40.1	44.7	43.8	37.7	29.3	16.6	6.4
E.MIN.T.	-54	-53	-39	-24	19	25	30	28	16	-16	-28	-58



Days with frost	31	28	30	27	15	2	*	1	5	20	29	30
M.M.T.P.	1.58	0.63	0.42	0.34	0.32	0.84	0.80	1.26	1.10	1.85	0.99	1.02
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	2	G	2	1		Artemisietum frigidae	
2	2	G	2	1		Poetum glaucae	
3	1	C	1	2	a	Arctostaphyletum uvae-ursi	
4	2	H	2	1		Cladino(mitis)-Rhytidio(rugosi)-Saxifragetum tricuspadatae	
5	2	G	2	1		Calamagrostidetum purpurascens	
6	2	G	2	1		Artemisio(borealis)-Agropyretum borealis	
7	1	D	1	4	a	Cladino-Rhytidio-Betulo(papyriferae)-Pino(contortae)-Piceetum glaucae	
8	1	B	2	1	a	Pruno(virginianae)-Roso(woodsii)-Populetum tremuloidis	
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	AC F <sub>1</sub> /I <sub>2</sub>	Chernozemic Regosol
2	AC F <sub>1</sub> /I <sub>2</sub>	Chernozemic Regosol(aeolian?)
3	ABC F <sub>5</sub>	Brunisol
4	AC F <sub>3</sub>	Brown Ranker
5	ABC F <sub>5</sub>	Brunisol
6	AC F <sub>1</sub> /I <sub>2</sub>	Chernozemic Regosol
7	ABC F <sub>5</sub>	Brunisol
8	A(B)C I <sub>2</sub> /F <sub>5</sub>	Regosol-Luvisol
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		







11. Freshwater within IBP Area\*

1.

	Permanent	Intermittent
General		
Standing		
Running	X	

2. Standing Water **nil**

	Permanent	Intermittent	Unproductive	Productive
Swamps				
Ponds				
Lakes				

3. Running Water

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

4. Special freshwater features ..... **cascades by the Tahltan River.** .....

.....

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   
**Stikine River**

2. Salt and Brackish **nil**

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						
Reptilia		?										
Amphibia		?										
Pisces		X										
Insecta		X										

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

.....  
 Further information could be supplied by Ken Sumanik,  
 .....  
 .....  
 L.K.Wade observed here a Turkey vulture (*Cathartes aura*), which  
 .....  
 would be the most northern occurrence of this magnificent bird.  
 .....  
 .....  
 .....

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					?	
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	X				X
Permanent habitation			X			
Recreation and tourism					X	
Research			X			

(by road construction)

by native Indians

3. Additional details on each type of impact attached?

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

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

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

Stipa occidentalis, Symphoricarpos occidentalis, Woodsia scopulina,  
Rosa woodsii, Pinus contorta x P. banksiana.

15. Exceptional Interest of IBP Area\*

Surprisingly some Pinus contorta has similar branching as in Pinus banksiana. This might be an interesting inbreeding in the past. It should be studied. The canyon is exceptionally scenic. The grassland communities are similar as in proposals 13<sup>4</sup> and 135.

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 ..... **X** ..... For part of area ..... None .....

19. Other Relevant Information

Further information on wild life may be obtained from Ken Sumanik.

*V.J. Krajina*  
*Ken Sumanik*

*K.I. Beamish*  
V.J.Krajina, L.K.Wade, K.I.Beamish,  
R.M.Annas, K.Klinka, R.G.McMinn,  
Signed K.Sumanik and G.Otto.....

(Surveyor)

METRIC/MÉTRIQUE

E.R.P. 130  
re-drawn  
boundary  
88-07-28

