

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.)
Close to Hiusta Meadow and Days Ranch, northeast of Telegraph Creek

3. Indicate the biogeoclimatic zone of which the reserve is representative.
BWBS (the dry subzone)

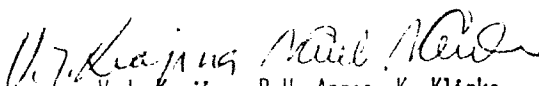
4. Approximate total acreage.
1,118 acres 453 ha

5. Purpose of the reserve.
 - (a) Primary (state acreage)
1,118 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.
No commercially useful trees are growing here, but only scrubby Picea glauca, Pinus contorta, Abies lasiocarpa, and Populus tremuloides are present.


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

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

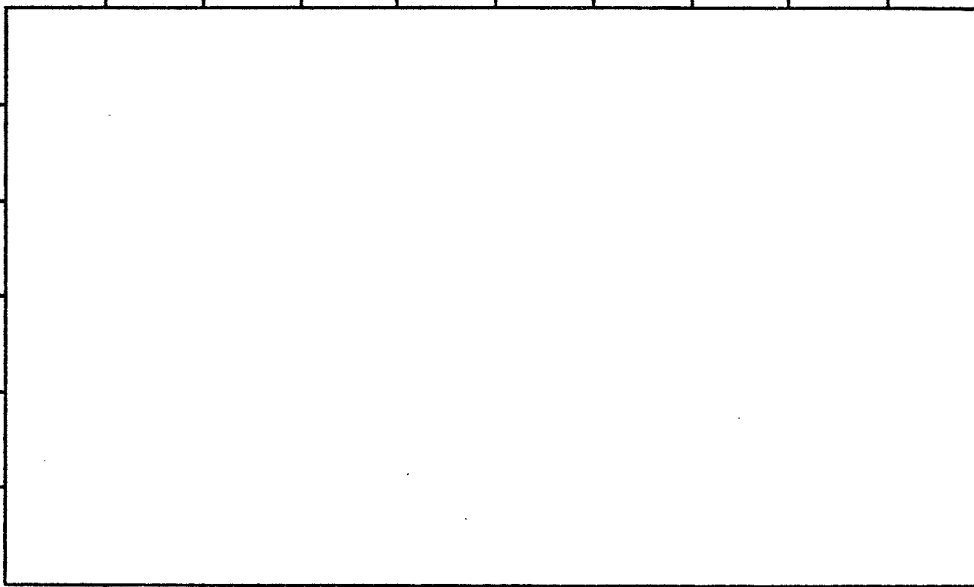
Serial Number

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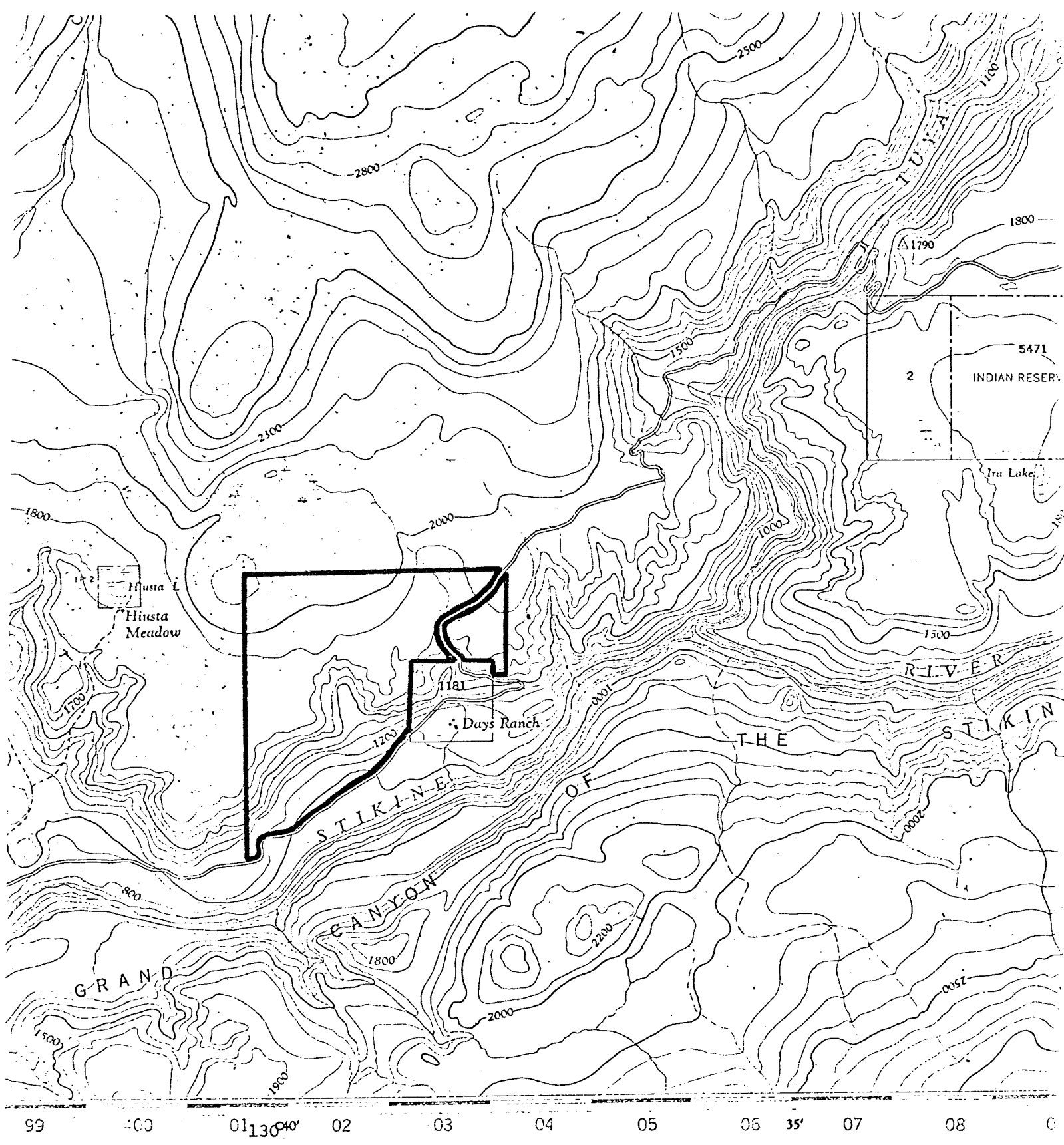
For Data Centre Use only

1. 1. Name of surveyor V.J. Krajina*, R.M. Annas, K. Klinka, R.G. McMinn, K. Sumanik
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. 1. Name of IBP Area Close to Hiusta Meadow and Days Ranch, 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.



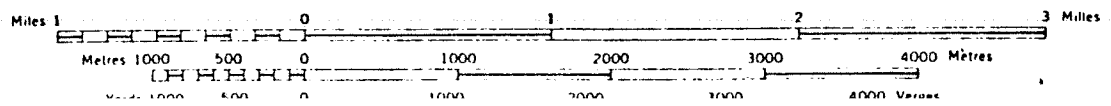
ESTABLISHMENT,
7.
e.

CLASSY CREEK

CASSIAR DISTRICT

BRITISH COLUMBIA

SCALE 1:50,000 ÉCHELLE



P.
M.
R.
G.
tr.

Building

3. Location of IBP Area*

1. Latitude 58 ° 01,2 - 02,7' N Longitude 130 ° .. 52,8 - 55,5' 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.
-
-
-

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) 1,118 acres
2. Altitude (state units of measurement) Maximum 2100' (630 m)
- Minimum 1000' (300 m)

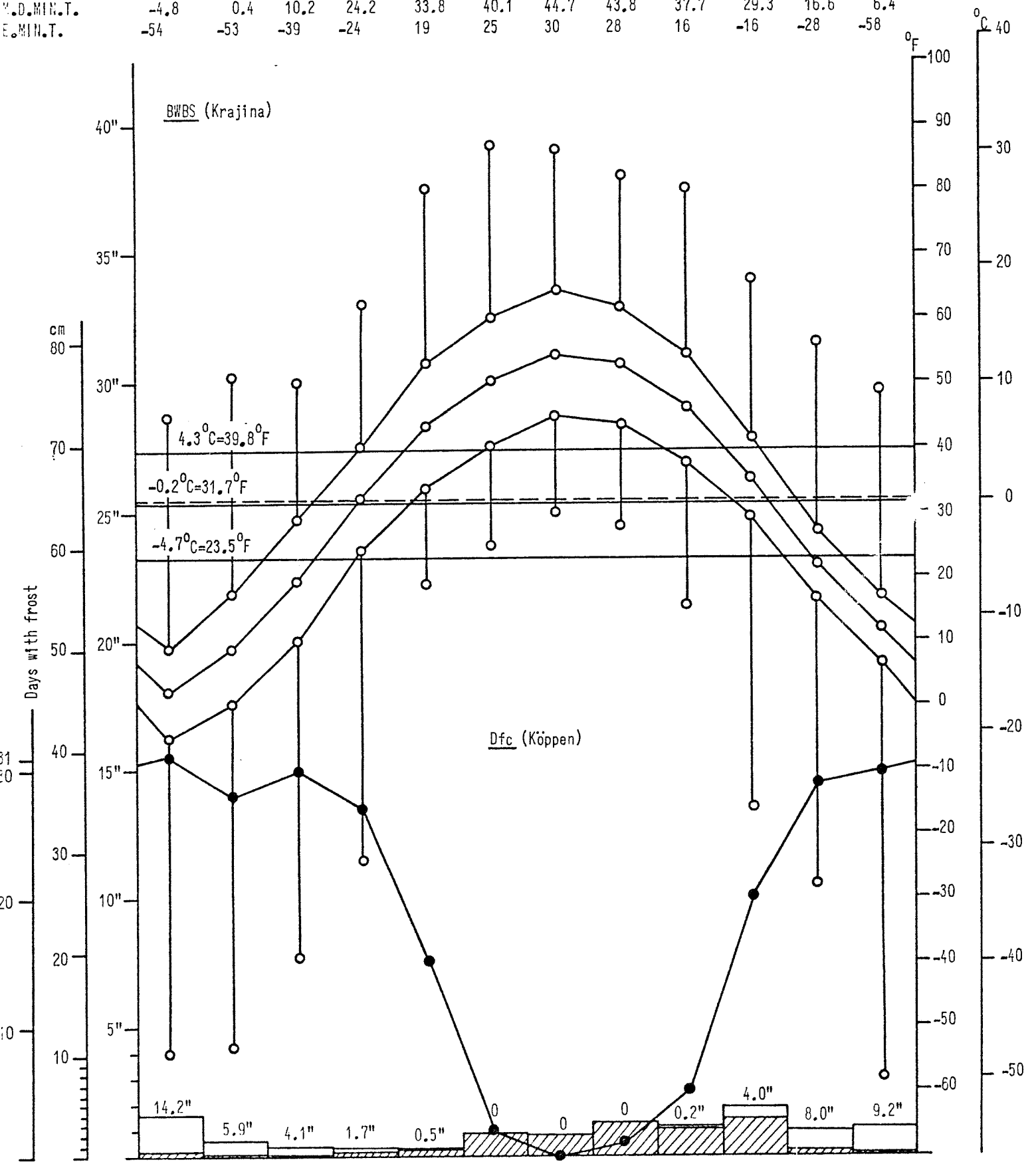
6. Climate

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) 12 miles
- SW
4. Direction from IBP Area*
5. Additional data sheet attached? Yes No

TLIN 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.O.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

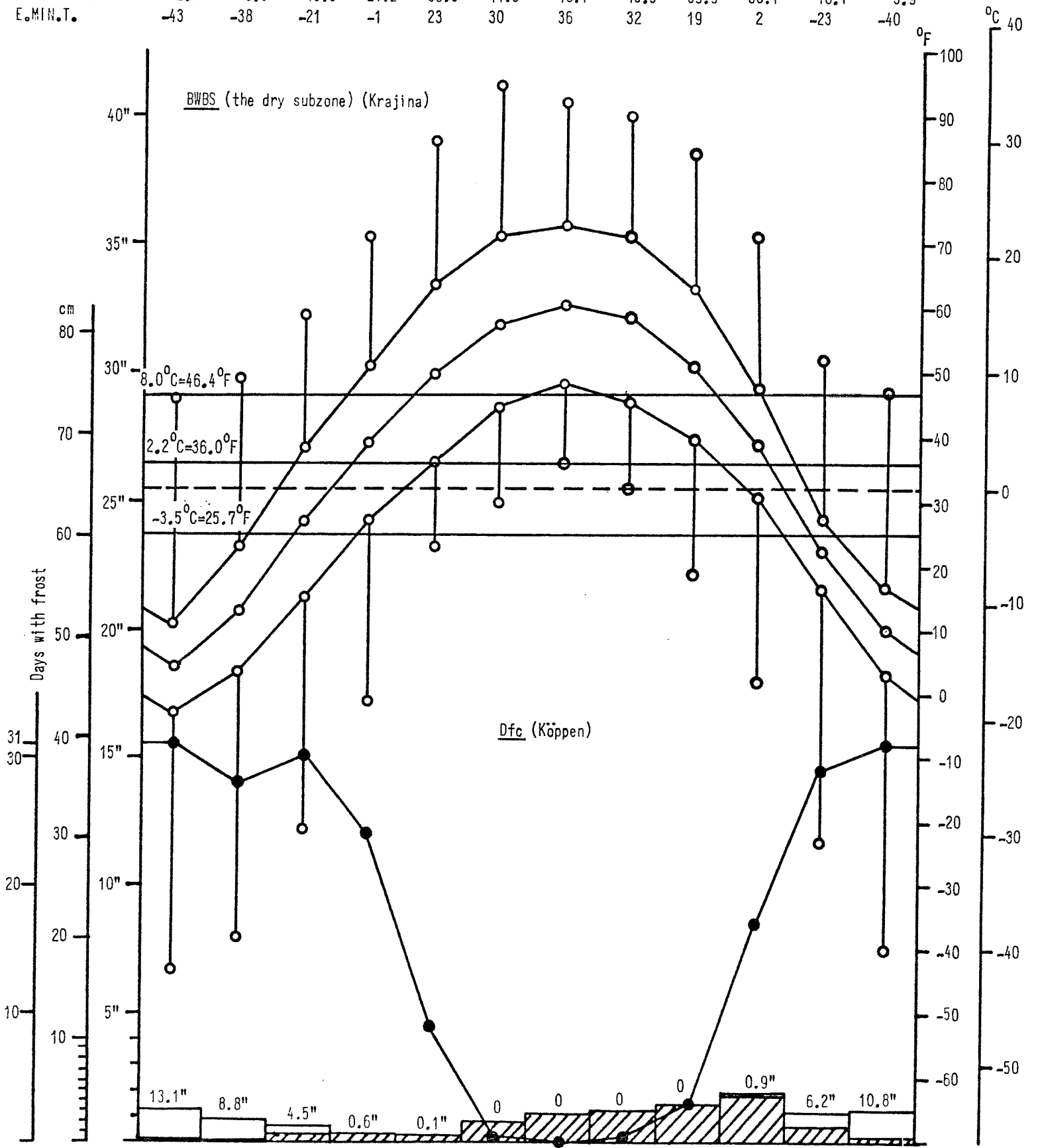


Days with frost	31	28	30	27	15	2	*	1	5	20	29	30
M.M.T.P.	1.58	0.63	0.42	0.34	0.32	0.84	0.80	1.26	1.10	1.85	0.99	1.02
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

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

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		Artemisio (borealis - frigidae) - Agropyretum borealis	
2	2	G	2	1		Stipo (occidentalis) - Calamagrostidetum purpurascens	
3	2	G	2	1		Poo (juncifoliae) - Stipetum comatae	
4	2	B	1	3		Juniperetum scopulorum	
5	1	C	1	2	a	Juniperetum horizontalis	
6	1	C	1	2	a	Juniperetum nanae (with <u>Arctostaphylos uva-ursi</u>)	
7	1	H	2	1		Roso (woodsii) - Agropyretum borealis	
8	1	B	2	1	a	Roso (acicularis) - Pruno (virginiana) - Populetum tremuloidis	
9	1	H	2	1		Agropyro (borealis) - Elaeagnetum commutatae	
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

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(cont.)

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Soil

Community Reference Number	Soil type	Other notes
1	AC F ₁ /I ₂	Chernozemic Regosol
2	A(B)C F ₅ /I ₂	Brunisolic Regosol
3	AC F ₁ /I ₂	Chernozemic Regosol
4	ABC F ₅	Brunisol
5	ABC F ₅	Brunisol
6	ABC F ₅	Dystric Brunisol
7	ABC F ₁ /I ₂	Chernozemic Regosol
8	ABC F ₅	Luvisol
9	AC F ₁ /I ₂	Regosol (chernozemic)
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

9. Landscape

Terrace-like general topography exposed

1. General Landscape (give brief description)
 mainly to the south.

2. Relief Type

	Flat	Undulating (0)-200 m.	Hilly 200-1000 m.	Mountainous > 1000 m.	%
Sharply dissected			20		20
Gently dissected			80		80
Incised					
Skeletonised					
%			100		100%

3. Special landscape features (list)
 Large terraces formed after glaciation

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	X

2. Standing Water

	Permanent	Intermittent	Unproductive	Productive
Swamps				
Ponds				
Lakes				

3. Running Water

	Permanent	Intermittent
Springs, cold		
Springs, hot		
Streams		X
Rivers		

4. Special freshwater features There is evidently higher potential evaporation than precipitation --- and, therefore, steppe.

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 and Tahltan 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				X						
Aves		X				X	X					
Reptilia												
Amphibia												
Pisces												
Insecta		X		X		X	X					

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

Further information could be supplied by Ken Sumanik.

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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 comata, S. occidentalis, Astragalus tenellus, Rosa woodsii, Juniperus scopulorum,

J. horizontalis, Poa juncifolia, Woodsia scopulina, Hedysarum mackenzii

Frequent occurrence of Hordeum jubatum indicates some solonchic soil formation.

15. Exceptional Interest of IBP Area*

An excellent case of grassland and related plant associations in dry boreal climate, which is almost as dry as in Atlin, but still relatively warmer summer (months with average mean temperature over 50°F).

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

by roads

native Indians

3. Additional details on each type of impact attached?

Yes No

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

For grassland communities this area is much better than the area of the proposal 134.

V.J. Krajina

V.J. Krajina, R.M. Annas, K. Klinka,
R.G. McMinn, K. Sumanik

Signed
(Surveyor)