

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.)

3½ mi. SE of Telkwa and ½ mi. north of the Bulkley River. Situated on private lands and boundaries must be surveyed in the future. It may be that the exact location of this area should be still confirmed on the spot.
3. Indicate the biogeoclimatic zone of which the reserve is representative.

SBS (It was decided to designate this area as SBS).
4. Approximate total acreage.

84 acres
5. Purpose of the reserve.

To preserve from extinction outstanding communities, especially of Juniperus scopulorum.

(a) Primary (state acreage)
84 acres

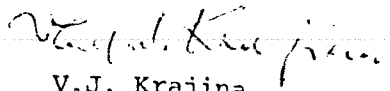
(b) Others if any (state acreage)

(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.

Timber volumes are almost nil. Species present include scrubby Pinus contorta, Populus tremuloides and stunted Juniperus scopulorum.

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

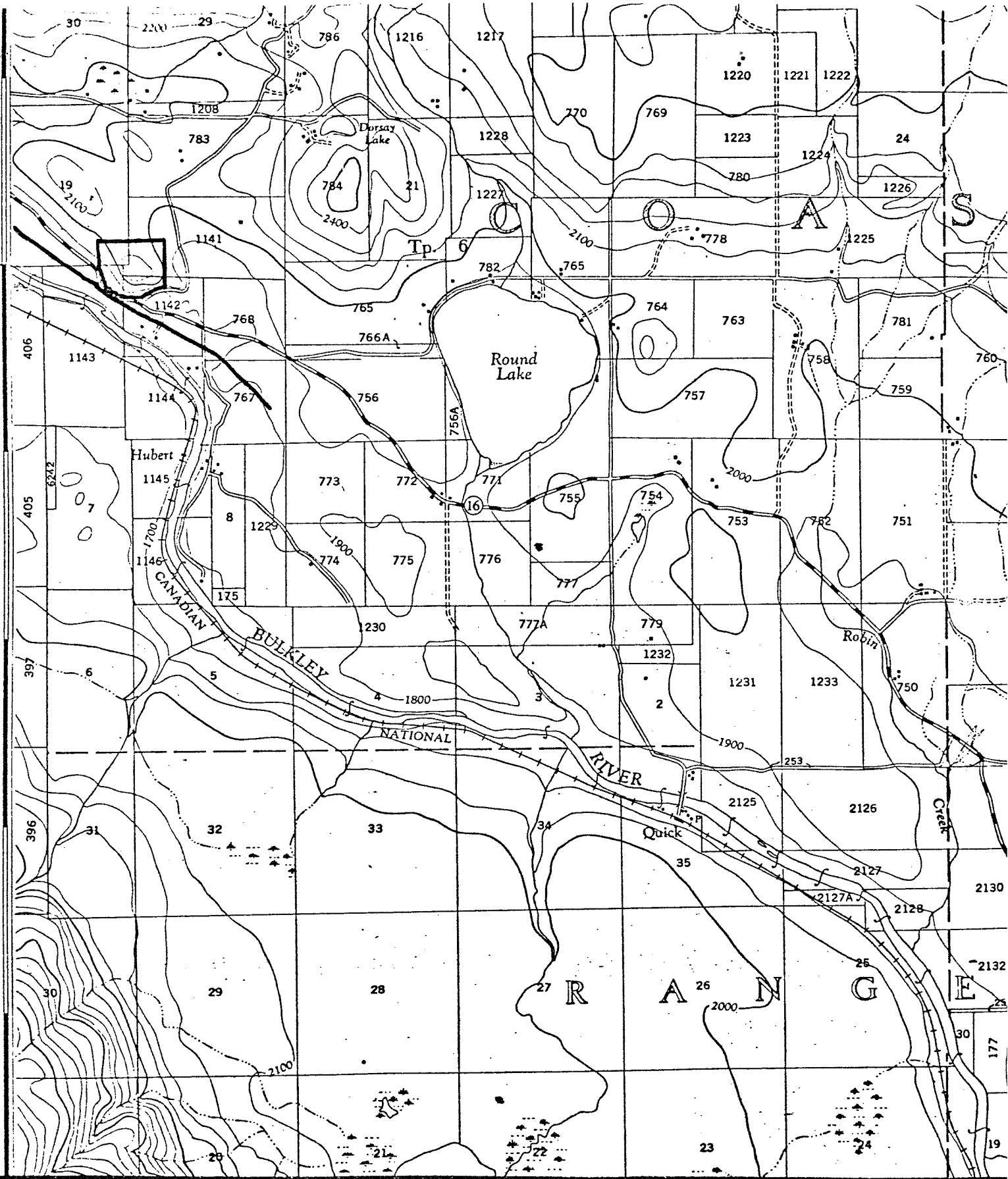
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For Data
Centre Use
only

1.	<p>1. Name of surveyor <u>V.J. Krajina</u></p> <p>2. Address of surveyor <u>Dept. of Botany</u></p> <p style="padding-left: 40px;"><u>University of British Columbia</u></p> <p style="padding-left: 40px;"><u>Vancouver, B.C., Canada</u></p> <p>3. Check Sheet completed (a) on site <u>X</u> (b) from records <u>X</u></p> <p>4. Date Check Sheet completed <u>November 28, 1973</u></p>	
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2.	<p style="text-align: center;"><u>Juniperus scopulorum</u> parkland, southeast of Telkwa <u>near Smithers</u></p> <p>1. Name of IBP Area</p> <p>2. Name of IBP Subdivision (or serial letter) <u>SBS</u></p> <p>3. Map of IBP Area* showing boundaries attached? Yes <u>X</u> No</p> <p>4. Sketch map of IBP Area*. Please mark direction of north, the scale and grid numbers where applicable.</p> <div style="border: 1px solid black; width: 80%; margin: 10px auto; height: 200px;"></div>	
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* For "IBP Area", read IBP Area and/or IBP Subdivision.

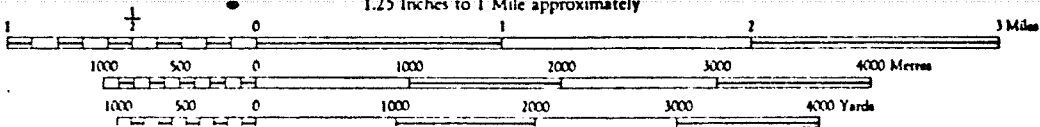


QUICK

BRITISH COLUMBIA

Scale 1:50,000

1.25 Inches to 1 Mile approximately



3. Location of IBP Area*

1. Latitude..... 54 ° 39.8-40.2' N Longitude..... 126 ° 58.6-59.2' W
 2. Country Canada
 State or Province British Columbia County Smithers
 (State or Province County)

4. Administration

- National 1. Official category Private, it is hope that the B.C. Centennial Fund
 might help to this case.
 2. Address of administration

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) 84 acres
 2. Altitude (state units of measurement) Maximum ±2150' (645 m)
 Minimum 1800' (540 m)

6. Climate

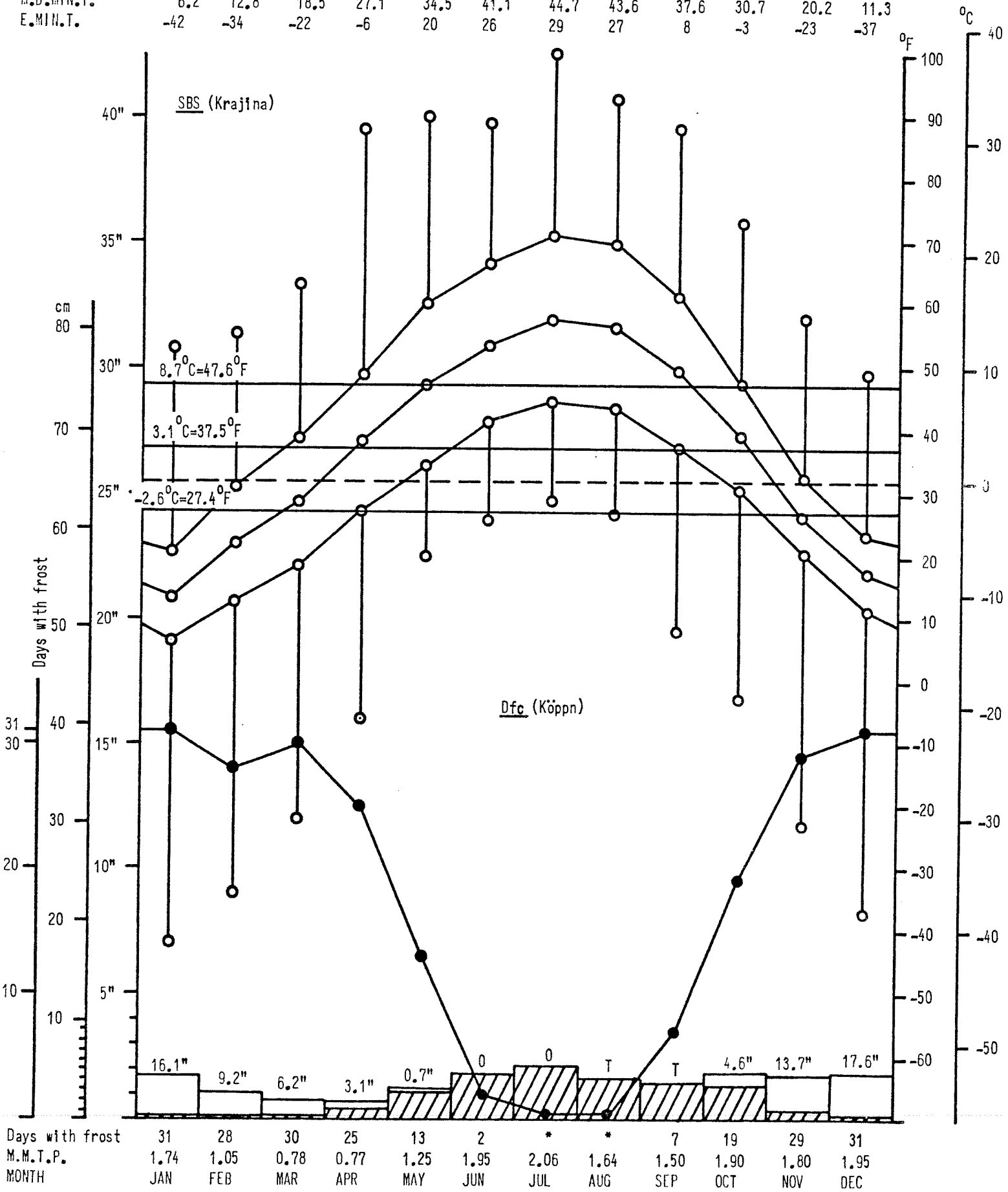
Nearest climatological station :

1. Name Telkwa (and Smithers)
 2. Climatological station on IBP Area*? Yes NoX...
 3. If (2) not, distance from edge of IBP Area* (state units) 3½ mi.
 4. Direction from IBP Area* NW
 5. Additional data sheet attached? Yes X No (Smithers data)
 Telkwa has ATMP: 18.39', therefore, it is drier than Smirhers

TELKWA 54°39'N, 126°50'W, 2240' ASL. Record: 25-46 years.

Months above 50°F: 3, below 32°F: 5, A.M.T.P. 18.39", A.M.S.F. 71.2", snow % A.M.T.P.: 38.71, days with frost, yearly: 215.

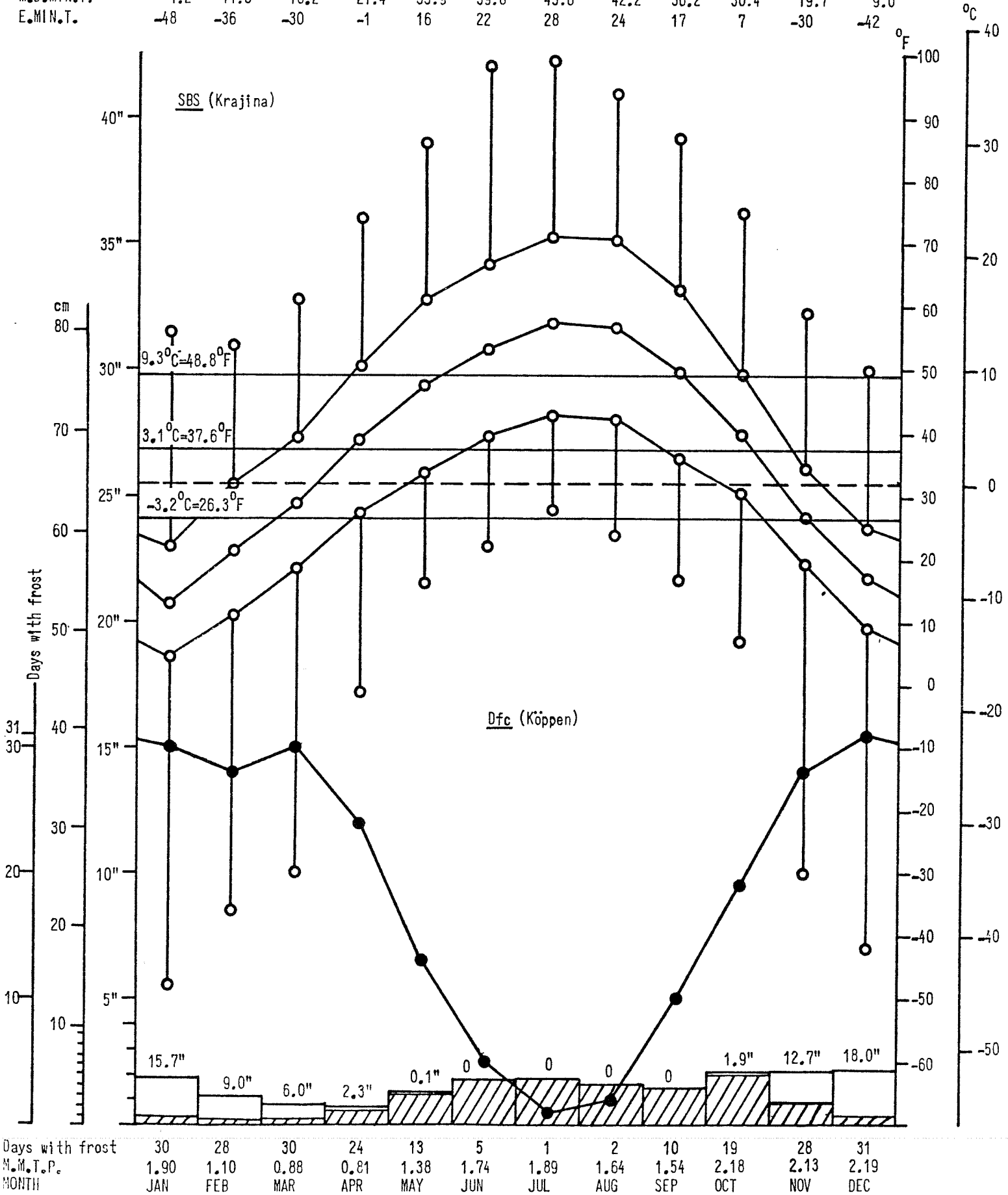
E.MAX.T.	53	55	63	88	90	89	100	93	88	73	58	49
M.D.MAX.T.	20.9	31.2	39.0	48.9	60.0	66.2	70.4	69.7	61.6	47.6	32.3	23.8
M.D.T.	13.6	22.0	28.8	38.1	47.3	53.7	57.6	56.7	49.6	39.2	26.2	17.6
M.D.MIN.T.	6.2	12.8	18.5	27.1	34.5	41.1	44.7	43.6	37.6	30.7	20.2	11.3
E.MIN.T.	-42	-34	-22	-6	20	26	29	27	8	-3	-23	-37



SMITHERS (CDA) 54°44'N, 127°06'W, 1690' ASL. Record: 25-31 years.

Months above 50°F: 3, below 32°F: 5, A.M.T.P. 19.38", A.M.S.F. 65.7", snow % A.M.T.P.: 33.90, days with frost, yearly: 221.

E.MAX.T.	56	54	61	74	86	98	99	94	87	75	59	50
M.D.MAX.T.	22.0	32.0	39.6	50.2	61.5	66.9	71.0	70.5	62.8	49.1	34.3	25.5
M.D.T.	13.1	21.6	28.9	38.8	47.8	53.4	57.3	56.4	49.5	39.8	27.0	17.3
M.D.MIN.T.	4.2	11.0	18.2	27.4	33.9	39.8	43.6	42.2	36.2	30.4	19.7	9.0
E.MIN.T.	-48	-36	-30	-1	16	22	28	24	17	7	-30	-42



Smithers

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	M	2	1		Agropyretum borealis	
2	1	J	1	1		Juniperetum scopulorum	
3	1	A	2	1		Pino (contortae) - Populetum tremuloidis	
4							
5							
6							
7							
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10							
11							
12							
13							
14							
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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 I ₂ /F ₁	Chernozemic Regosol
2	AC/ABC I ₂ /F ₅	Brunisol - Regosol
3	ABC F ₅	Luvisol
4		
5		
6		
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16		
17		
18		
19		
20		

9. Landscape

1. General Landscape (give brief description) undulating hills

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

2. Standing Water

Permanent Intermittent Unproductive Productive

Swamps

Ponds

Lakes

3. Running Water

Permanent Intermittent

Springs, cold

Springs, hot

Streams

Rivers

4. Special freshwater features
 There is no evidence of any water storage or any springs or streams.

12. Salt and Brackish Water within IBP Area*

Salt Lakes

Lagoon

Estuaries

Salt pools

.....
.....

13. Adjacent Water Bodies (not within IBP Area*)

1. Fresh

X

Lake

X

River

X

Stream

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Round Lake

Bulkley River

2. Salt and Brackish nil

Estuary	Salt lake	Salt pool	Lagoon	Ocean		

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			X					
Pteridophyta											
Bryophyta		X									
Lichens and Algae		X									

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

Juniperus scopulorum (Rocky Mountains juniper) and some grasses especially Agropyron boreale and Stipa occidentalis.

15. Exceptional Interest of IBP Area*

This area is parallel to that which was described in the Telegraph Creek proposals (No. 133-137). It could be, therefore, concluded that much wetter climate (Telkwa) is producing similar ecological phenomena which are produced in much drier climates further to the north (Telegraph Creek).

16. Significant Human Impact

1. General : None in entire IBP Area*
 None in part of IBP Area*
 Impact on entire IBP Area* X

2. Particular

	Past impact	Present impact	Trend			
			Increasing	Decreasing	No change	No information
Cultivation			X			
Drainage			?			
Other soil disturbance			?			
Grazing			X			
Selective flora disturbance			?			
Logging			X			
Plantation			X			
Hunting			X			
Removal of predators			X			
Pesticides			?			
Introductions — plants			X			
Introductions — animals			?			
Fire			?			
Permanent habitation			X			
Recreation and tourism			X			
Research			?			

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		X	
Fauna		X	X	X					X		X	
Non-living		X	X	X					X		X	
							**)	and to improve it to conditions which existed here about 70 years ago				

18. References *)because of potential temporary lease which should be deleted in the future

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 For part of area None

19. Other Relevant Information

If it will be left in the hands of a private developer, the Rocky Mountain juniper savanna may be completely destroyed.

V.J. Krajina
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Signed
(Surveyor)