



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

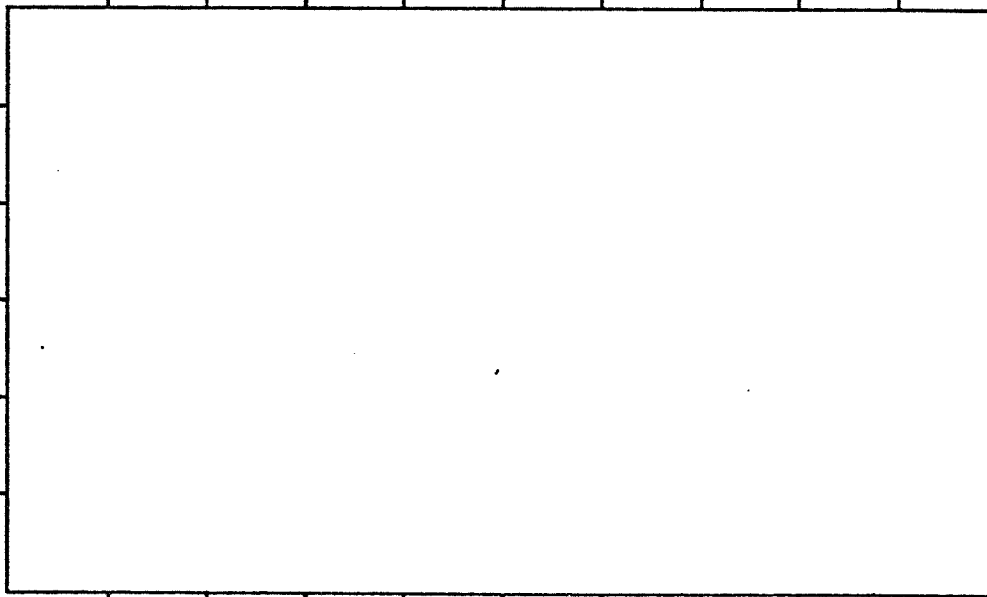
Serial Number

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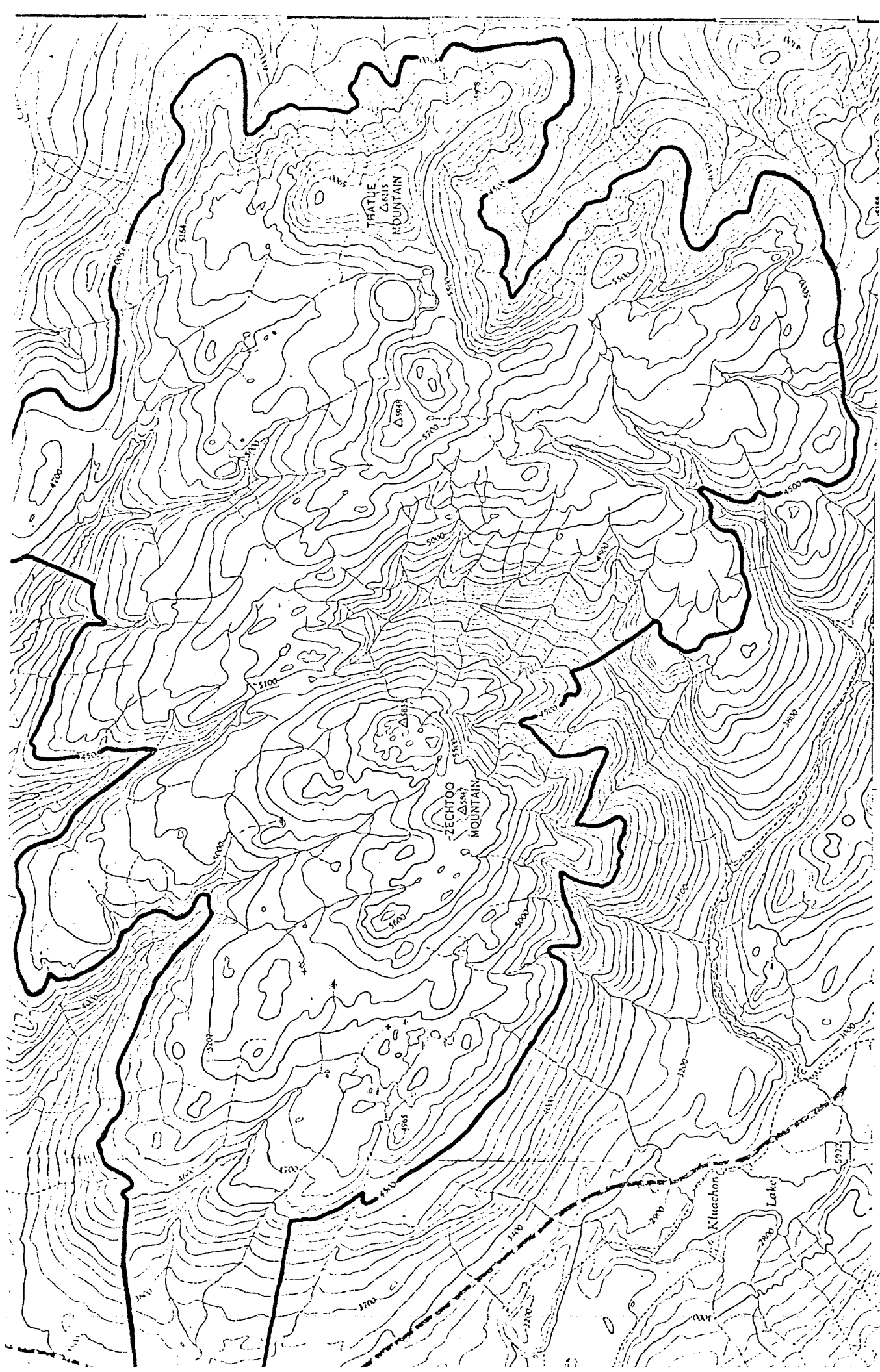
For Data Centre Use only

1. 1. Name of surveyor L.K.Wade, \*K.I.Beamish, \*J.Pojar, \*G.Otto, \*A.Guppy.
2. Address of surveyor Dept. of Biology, \*)Dept. of Botany,  
Capilano College, University of British Columbia,  
North Vancouver, B.C. Vancouver 8, B.C.
3. Check Sheet completed (a) on site ..... X ..... (b) from records .....
4. Date Check Sheet completed ..... July 1973. .....

2. 1. Name of IBP Area Zechtoo Mtn. (5847') and Thatue Mtn. (6215') near  
Eddontenajon Lake (Klastline Plateau)
2. Name of IBP Subdivision (or serial letter) SFWB and AT
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.



130°

05'

10'

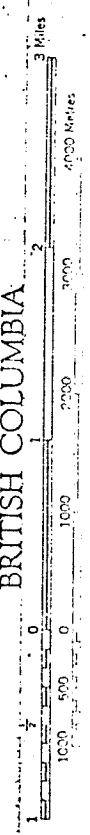
MAGNETIC DECLINATION 37°  
 AT CENTRE OF MAP 19  
 Annual magnetic change 3.1 sec

# KLASTLINE RIVER

CASSIAR DISTRICT

BRITISH COLUMBIA

Surveyed and compiled by the SURVEYS AND MAPPING BRANCH, BRITISH COLUMBIA, 1951  
 Cartography and reproduction by the ARMY SURVEY ESTABLISHMENT, R.C.E. 1957-58



3. Location of IBP Area\*

- 1. Latitude 57° 53' N Longitude 129° 55' 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)

5. Characteristics of IBP Area\*

- 1. Surface area (state units of measurement) 27,187 acres
- 2. Altitude (state units of measurement) Maximum 6215° (Thatue Mtn.)  
 Minimum 3500°

6. Climate

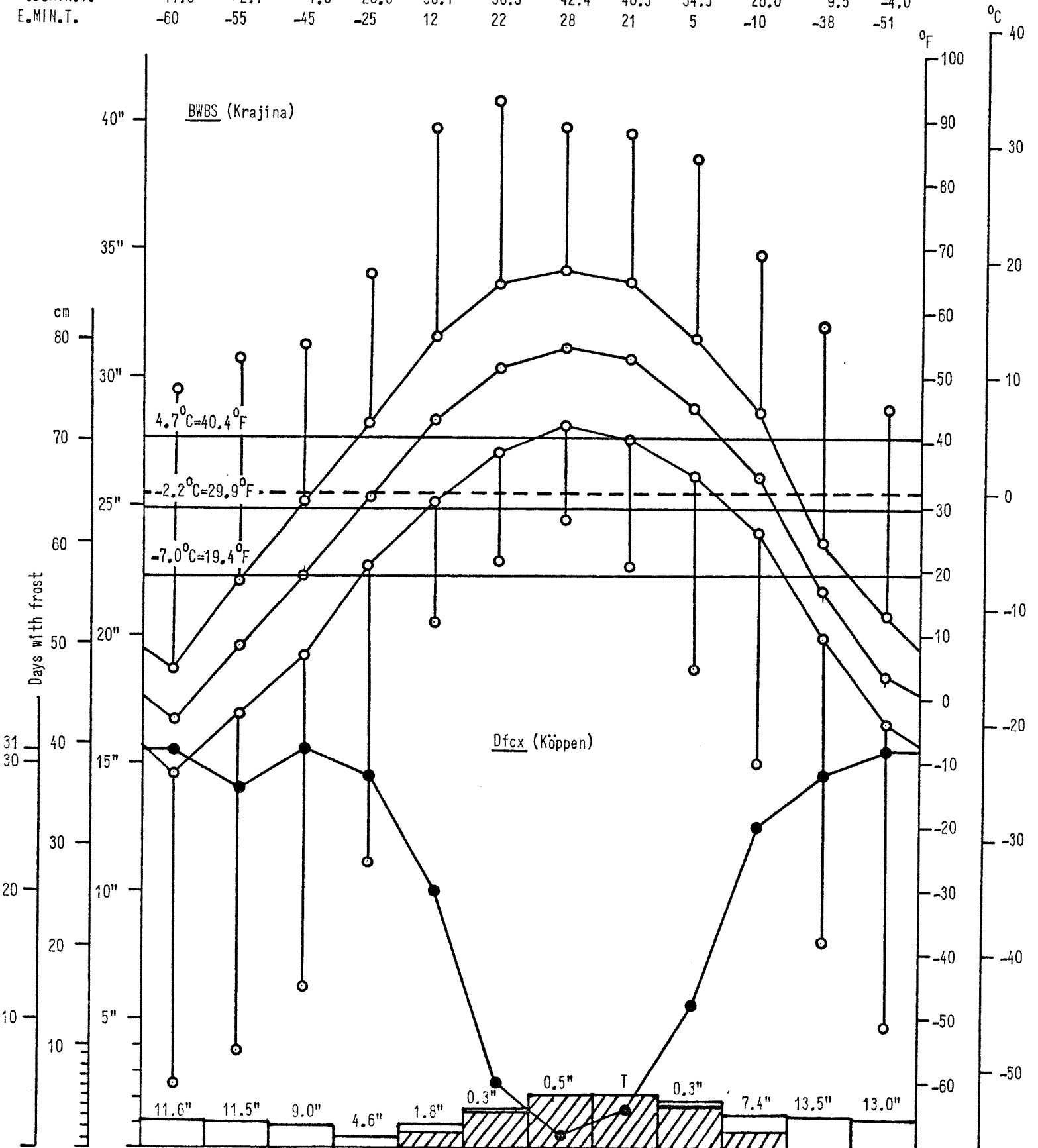
Nearest climatological station :

- 1. Name Dease Lake ; \*) Telegraph Creek
- 2. Climatological station on IBP Area\*? Yes ..... No X.....
- 3. If (2) not, distance from edge of IBP Area\* (state units) 40mi. ; \*) 42mi.
- 4. Direction from IBP Area\* North ; \*) west.
- 5. Additional data sheet attached? Yes X..... No .....

DEASE LAKE 58°25'N, 130°00'W, 2678' ASL. Record: 25-26 years.

Months above 50°F: 3, below 32°F: 6, A.M.T.P. 15.53", A.M.S.F. 73.5", snow % A.M.T.P.: 47.32, days with frost, yearly: 244.

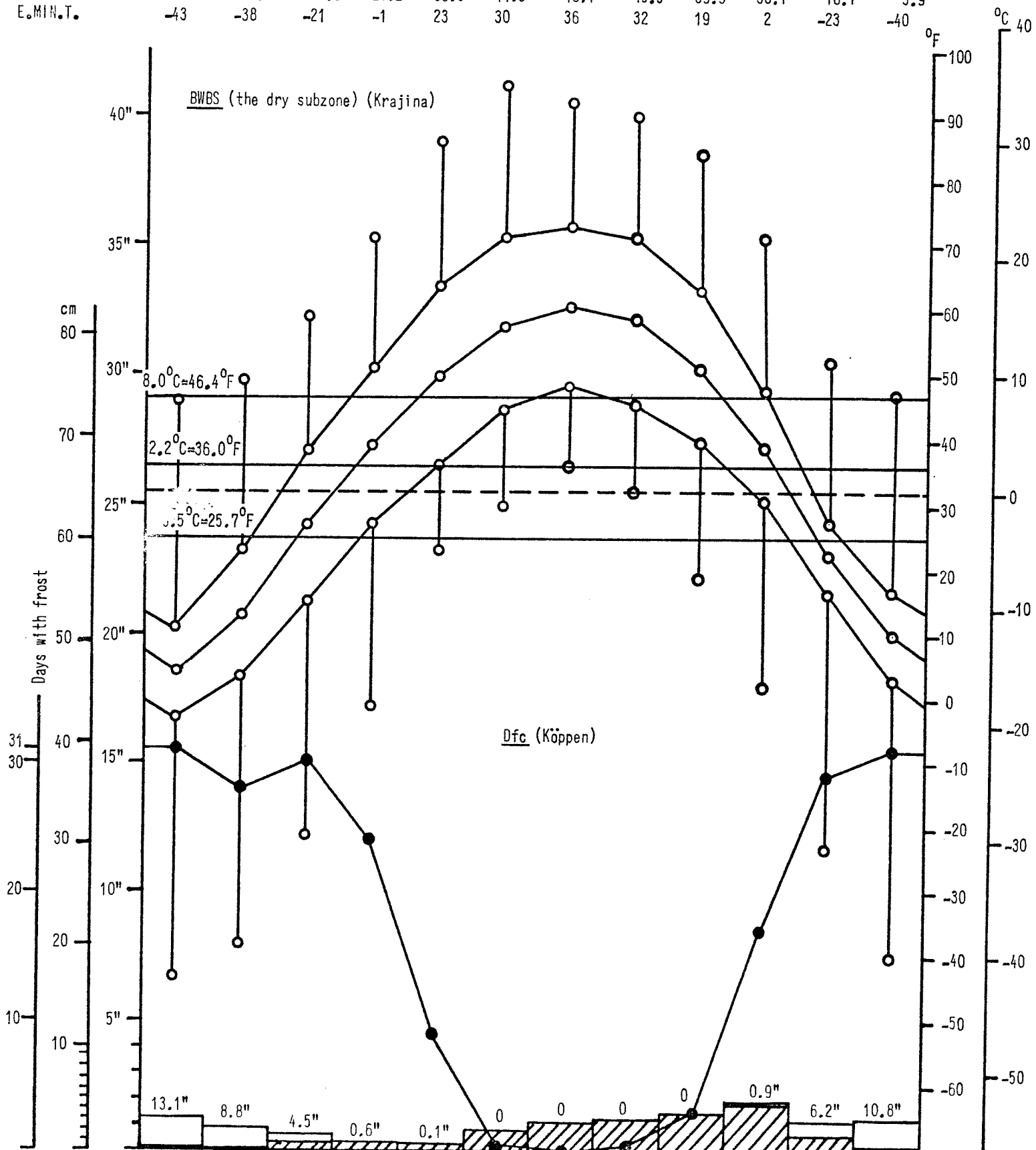
E.MAX.T.	48	53	55	66	89	93	89	88	84	69	58	45
M.D.MAX.T.	5.6	18.4	31.2	42.7	56.2	64.4	66.9	64.8	56.0	42.6	24.6	11.6
M.D.T.	-2.8	8.2	19.1	31.8	43.5	51.4	54.7	52.6	45.3	34.3	17.1	3.9
M.D.MIN.T.	-11.8	-2.1	7.0	20.8	30.7	38.3	42.4	40.5	34.5	26.0	9.5	-4.0
E.MIN.T.	-60	-55	-45	-25	12	22	28	21	5	-10	-38	-51



Days with frost	31	28	31	29	20	5	1	3	11	25	29	31
M.M.T.P.	1.11	1.02	0.83	0.46	0.84	1.51	2.12	2.13	1.72	1.34	1.26	1.19
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

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

7. Vegetation and Soil (Soil not studied)

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		
3550°	1	A	1	7	a	<u>Picea-Populus-Lupinus arcticus-Vaccinium caespitosum</u>	
3800°	2	A	1	7	a	<u>Abies-Populus-Pedicularis labradorica-Arctostaphylos</u>	
4100°	3	E	2	1		<u>Abies-Salix-Linnaea</u>	
4500°	4	E	2	1		<u>Abies-Betula-Festuca altaica - Anemone narcissiflora</u>	
550-3760°	5	E	2	1		<u>Picea-Betula-Oxycoccus-Ledum</u>	
4600°	6	C	1	3		<u>Festuca-Potentilla-Thamnia-Saxifraga tricuspidata</u>	
500-4900°	7	M	2	2		<u>Carex-Hippuris-Potentilla palustris</u>	
500-5200°	8	B	2	1	a	<u>Betula-Salix-Cladina alpestris</u>	
5100-5300°	9	N	2	1		<u>Ranunculus-Caltha-Sibbaldia</u>	
5500°	10	G	2	1		<u>Cetraria-Alectoria-Salix reticulata-Anemone</u>	
	11						
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20						

ASL





9. Landscape

1. General Landscape (give brief description) ...rounded mountainous area with extensive undulating alpine tundra.

2. Relief Type

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

3. Running Water

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

4. Special freshwater features ..... several small but well-developed Sphagnum bogs .....

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

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												
Insecta		X				X						

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

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

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

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.....

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15. Exceptional Interest of IBP Area\*

Great diversity of subalpine and alpine plant associations;  
 .....  
 area rich in species diversity.  
 .....  
 .....  
 .....

16. Significant Human Impact

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

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					X	
Plantation					X	
Hunting	X	X				
Removal of predators		X				
Pesticides					X	
Introductions — plants					X	
Introductions — animals					X	
Fire	X					
Permanent habitation					X	
Recreation and tourism					X	
Research					X	

(via road access)

(probable)

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	

18. References

1. List major biological/geographical references for the IBP Area.

Sheet attached? Yes ..... No ..... **X**

2. List main maps available for the IBP Area.

List attached? Yes ..... No ..... **X**

3. Aerial photographs for the IBP Area available?

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

19. Other Relevant Information

Area is large (over 25,000 acres) but consists mostly of alpine tundra. The frosted area makes up only 2% of the area.

*Jim Pojar L.K. Wade*  
L.K. Wade, K.I. Beamish, J. Pojar,  
Signed *G. Otto and A. Guppy* .....  
(Surveyor)  
*K. I. Beamish*