

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.)

Tabletop Mountain, ca. 10 miles eastsoutheast of Cassiar, east of Stewart-Cassiar Rd.; Stikine Ranges of Cassiar Mountains

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

The subalpine white spruce - fir - willow - birch (SFWB) zone and the alpine tundra (AT) zone

4. Approximate total acreage.

2,618 acres (I. area) or 1,818 acres (II. area)

5. Purpose of the reserve.

To preserve spectrum of subalpine and alpine plant associations.

(a) Primary (state acreage)

2,618 acres (or 1,818 acres)

(b) Others if any (state acreage)

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(c) Buffer areas (state acreage)

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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 glauca, P. mariana, Abies lasiocarpa.

*L.K. Wade* *Jim Pojar* *K.I. Beamish*  
Signature L.K. Wade, K.I. Beamish, J. Pojar,  
I.B.P. Surveyor G. Otto,  
A. Curry

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

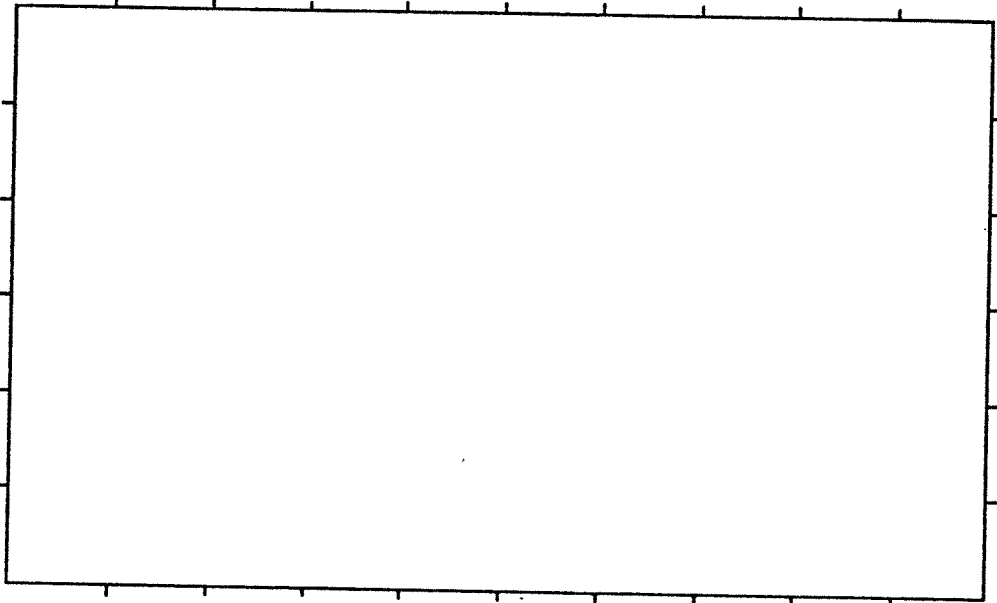
Serial Number 

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For Data Centre Use only

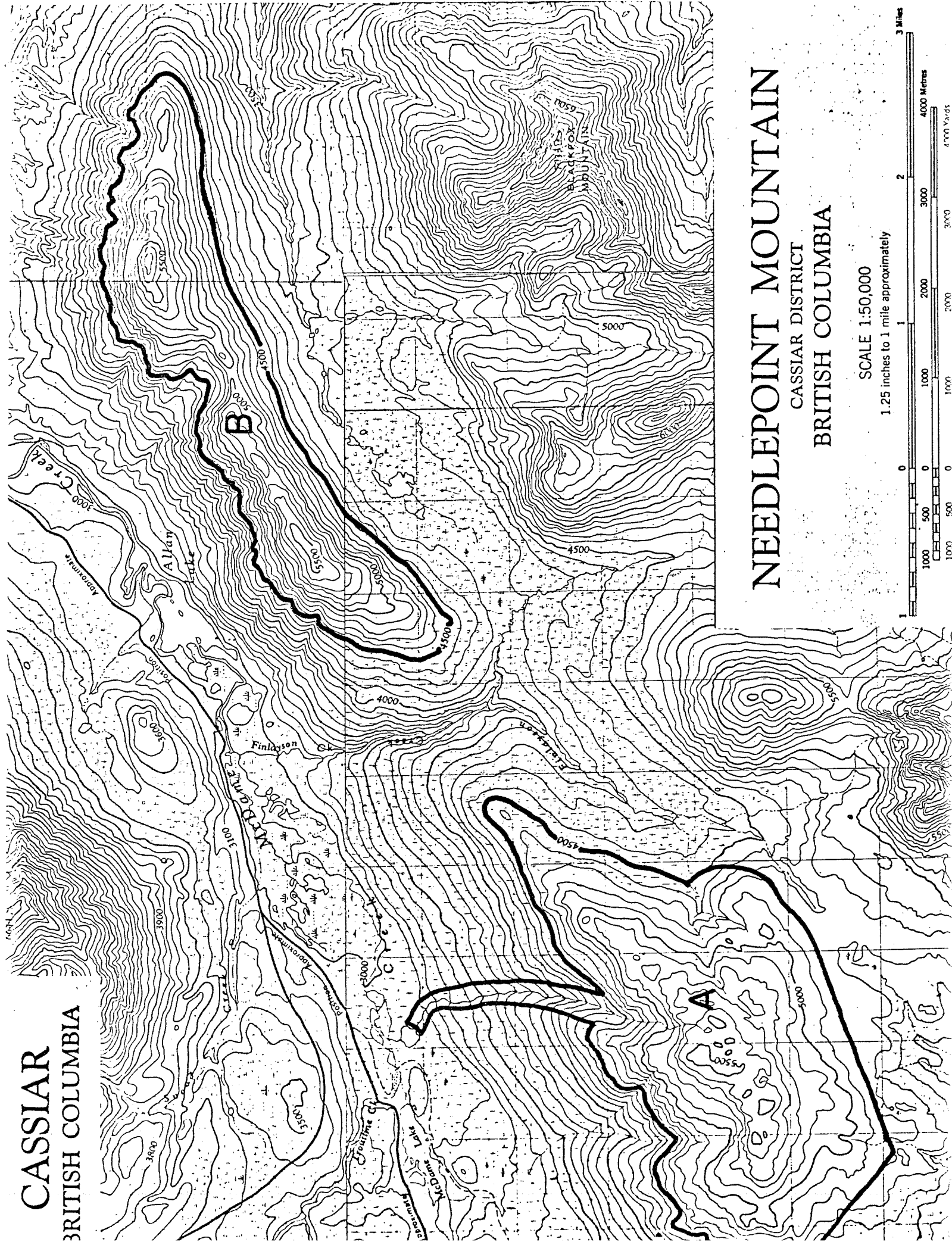
1. Name of surveyor L.K. Wade<sup>\*)</sup>, K.I. Beamish<sup>\*\*)</sup>, J. Pojar<sup>\*\*)</sup>, G. Otto<sup>\*)</sup>  
 1. Name of surveyor A. Guppy  
 2. Address of surveyor <sup>\*)</sup>Dept. of Biology <sup>\*\*)</sup>Dept. of Botany  
 Capilano College Univ. of British Columbia  
 North Vancouver,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

2. Name of IBP Area Tabletop Mountain, ca. 10 mi. ESE of Cassiar, Stikine Ranges of Cassiar Mountains  
 2. Name of IBP Subdivision (or serial letter) SFWB and AT  
 3. Map of IBP Area\* showing boundaries attached? Yes  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.

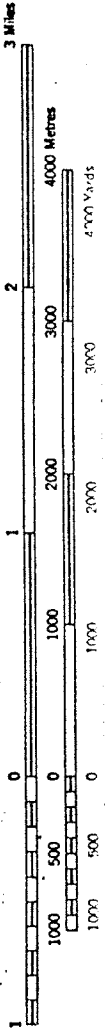
CASSIAR  
BRITISH COLUMBIA



# NEEDLEPOINT MOUNTAIN

CASSIAR DISTRICT  
BRITISH COLUMBIA

SCALE 1:50,000  
1.25 inches to 1 mile approximately



3. Location of IBP Area\*

1. Latitude..... 59° 15' ..... N Longitude..... 129° 35' ..... 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\*

- 2,618 acres (I. area) or 1,818 acres (II. area, substituting for the I. area, if that would not be available)  
 1. Surface area (state units of measurement) .....  
 2. Altitude (state units of measurement) Maximum ..... 5500' .....  
 Minimum ..... 3000' .....

6. Climate

Nearest climatological station :

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

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	?	?	?	?	?	Betula glandulosa - Claytonia - Corydalis pauciflora - Anemone - Solorina - Senecio	
2						Lloydia association	
3						& many others not studied	
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) .....  
 Mostly alpine tundra on undulating plateau-like mountain top.  
 .....  
 .....

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) .....  
 .....  
 .....

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) .....

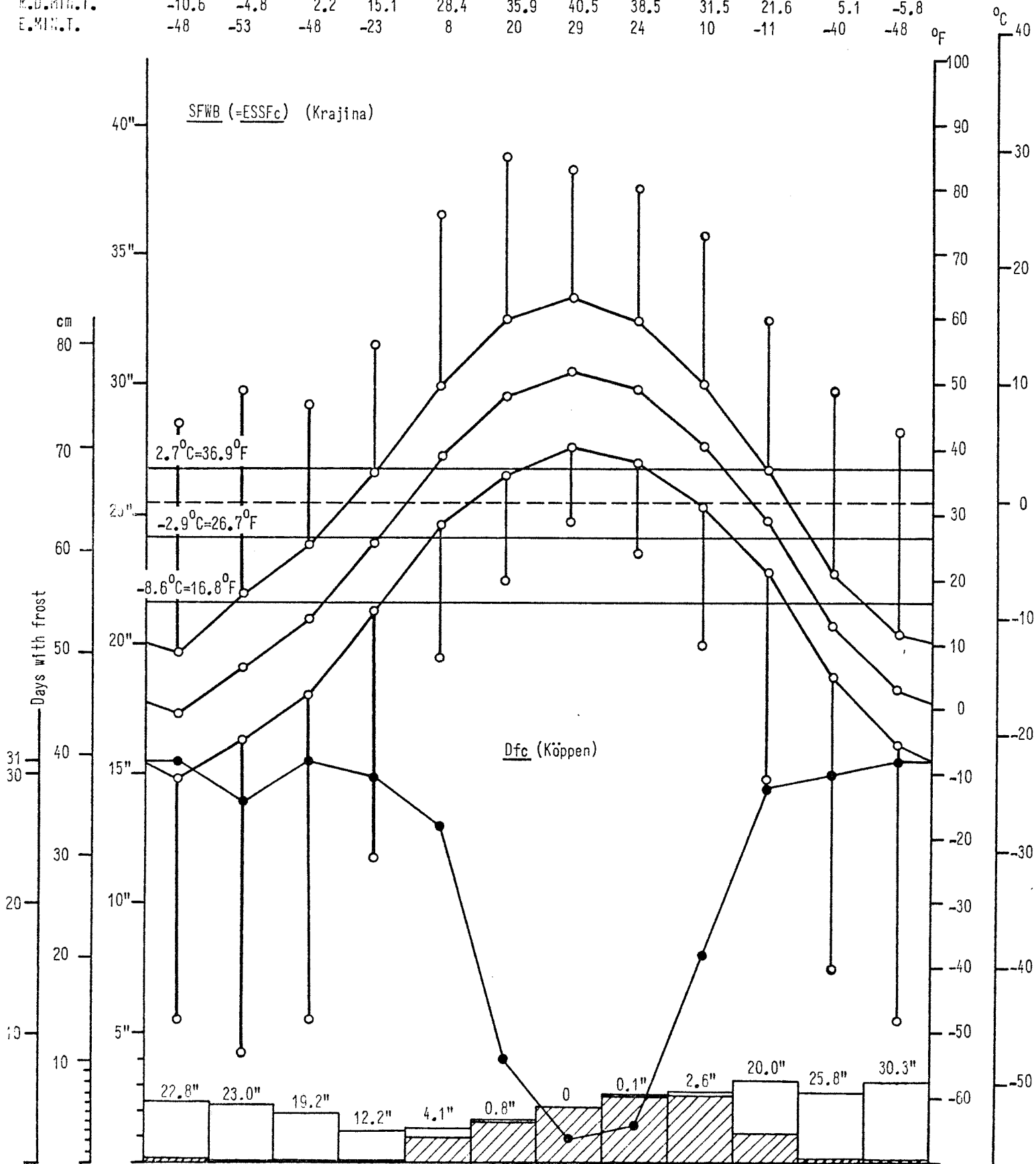
6. Total length of coastline :

Less than 1 km.     1-10 km.     Above 10 km.

CAGLIARI 59°17'N, 129°51'W, 3535' ASL. Record: 11-17 years, adjusted.

Months above 50°F: 1, below 32°F: 7, A.M.T.P. 27.57", A.M.S.F. 160.9", snow % A.M.T.P.: 58.36, days with frost, yearly: 265.

E. MAX. T.	44	49	47	56	76	85	83	80	73	60	49	43
M. D. MAX. T.	9.4	17.9	25.5	36.4	49.9	60.0	63.4	59.9	50.2	37.0	20.9	11.8
M. D. T.	-0.6	6.6	13.9	25.8	39.2	48.0	52.0	40.2	40.9	29.3	13.0	3.0
M. D. MIN. T.	-10.6	-4.8	2.2	15.1	28.4	35.9	40.5	38.5	31.5	21.6	5.1	-5.8
E. MIN. T.	-48	-53	-48	-23	8	20	29	24	10	-11	-40	-48



Days with frost  
M.N.T.P.  
MONTH

31	28	31	30	26	8	2	3	16	29	30	31
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

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	X	
Springs, hot		
Streams	X	
Rivers		

4. Special freshwater features .....  
 Several small (ca. 200' dia) alpine ponds at 5500'.  
 .....

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   
 McDame Lake, McDame Creek  
 Callison Lake

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										
Reptilia												
Amphibia												
Pisces												
Insecta		X										

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

A detailed survey should be made later.

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

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

Cassiope stelleriana

.....  
 .....  
 .....

15. Exceptional Interest of IBP Area\*

Good spectrum of subalpine and alpine plant communities.

.....  
 .....  
 .....  
 .....

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					X	
Selective flora disturbance					X	
Logging					X	
Plantation					X	
Hunting			X			
Removal of predators			X			
Pesticides					X	
Introductions — plants					X	
Introductions — animals					X	
Fire	X					
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	
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 ..... X

2. List main maps available for the IBP Area. Nat. Topo. Series - Provisional Map 104 P/4 Ed. 1 ASE

List attached? Yes ..... No ..... X Needlepoint Mt., Cassiar District

3. Aerial photographs for the IBP Area available?

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

19.

Other Relevant Information

Status of this proposed reserve uncertain, but mineral claims likely. Attached map outlines an alternative site to the north which would also make an acceptable reserve.

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