

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.)
Oweegee Range, Delta Peak, Skowill Creek and a segment of the Bell-Irving River.

3. Indicate the biogeoclimatic zone of which the reserve is representative.
CWH, ESSF, AT

4. Approximate total acreage.
5700 acres

5. Purpose of the reserve.
 - (a) Primary (state acreage)
 - A: 2835 acres (CWH and ESSF)
 - B: 1275 acres (flood plain of CWH)
 - (b) Others if any (state acreage)
 - C: 1350 upper ESSF and AT
 - D: 240
 - (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. The major trees are ; Picea engelmannii Picea glauca (and their hybrids), Abies lasiocarpa, Tsuga heterophylla, Tsuga mertensiana, Populus tremuloides and P.trichocarpa.

R.M. Annas V.J. Krajina
R.M. Annas, V.J. Krajina,

Signature and K. Klinka. 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

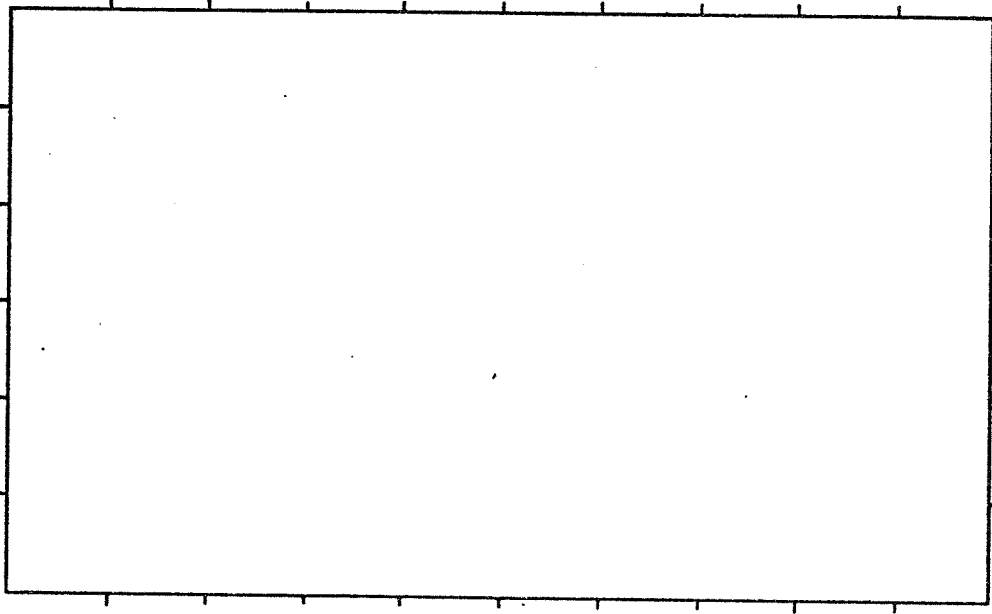
Serial Number

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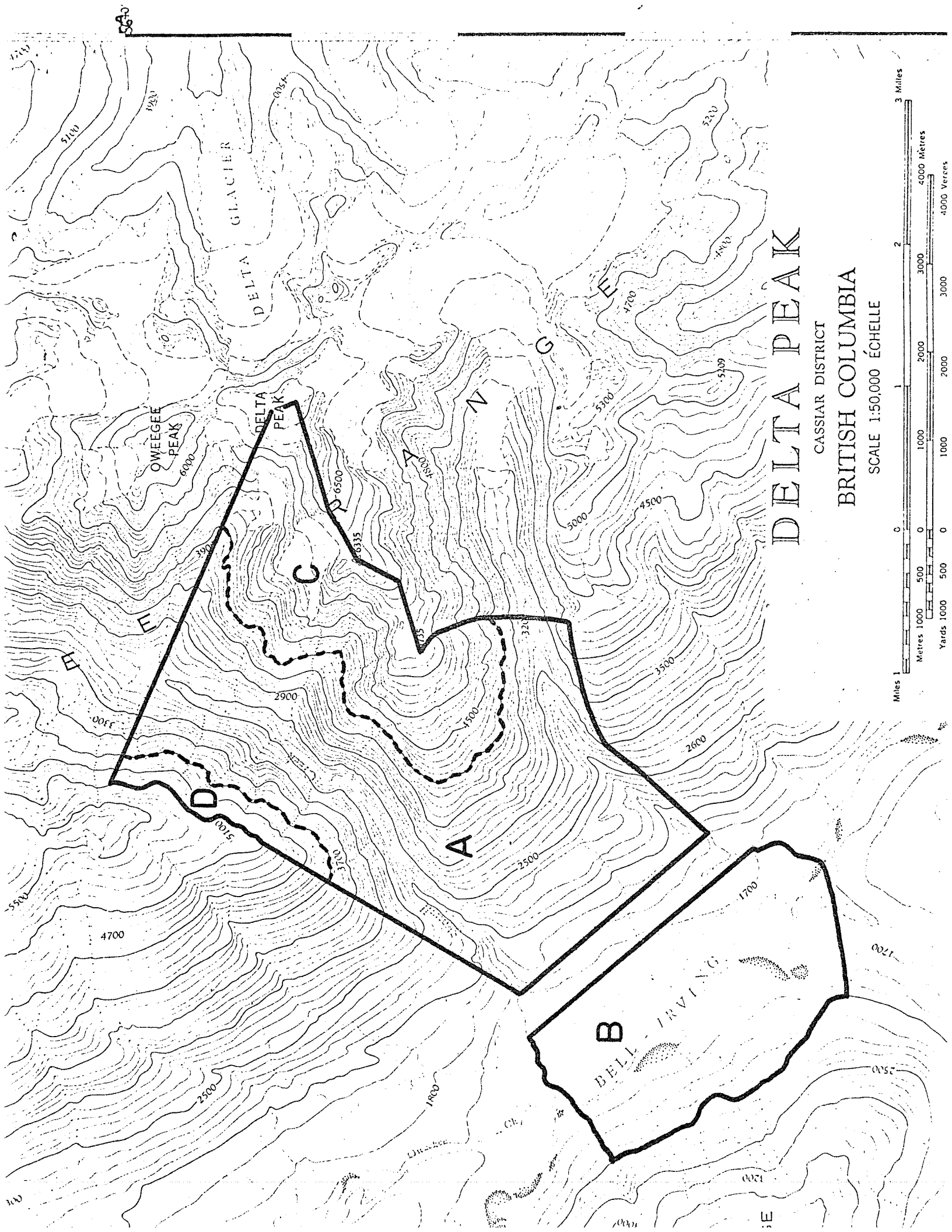
For Data Centre Use only

1. 1. Name of surveyor R.M. Annas, V.J. Krajina and K. Klinka.
 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 22, 1973.

2. 1. Name of IBP Area Oweege Range, Delta Peak, Skowill Creek and a segment of the Bell-Irving River.
 2. Name of IBP Subdivision (or serial letter) CWHa, MH/ESSF, 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.

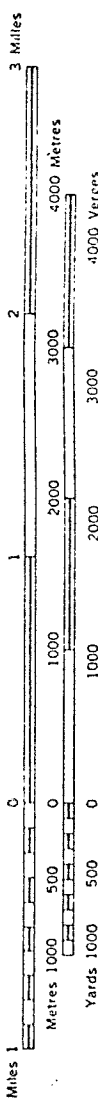


* For "IBP Area", read IBP Area and/or IBP Subdivision.



DELTA PEAK

CASSIAR DISTRICT
BRITISH COLUMBIA
SCALE 1:50,000 ÉCHELLE



3. Location of IBP Area*

1. Latitude 56 ° 31-41° N/S Longitude 129 ° 35-43° E/W
2. Country Canada
- State or Province British Columbia County Terrace
- (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*

1. Surface area (state units of measurement) 5,700 acres A 2835 acres (CWH+MH/ESSF)
B 1275 acres (flood plain)
C 1350 acres upper ESSF and AT
D 240 acres
2. Altitude (state units of measurement) Maximum 7540' (2262m)
Minimum + 1650' (495m)

6. Climate

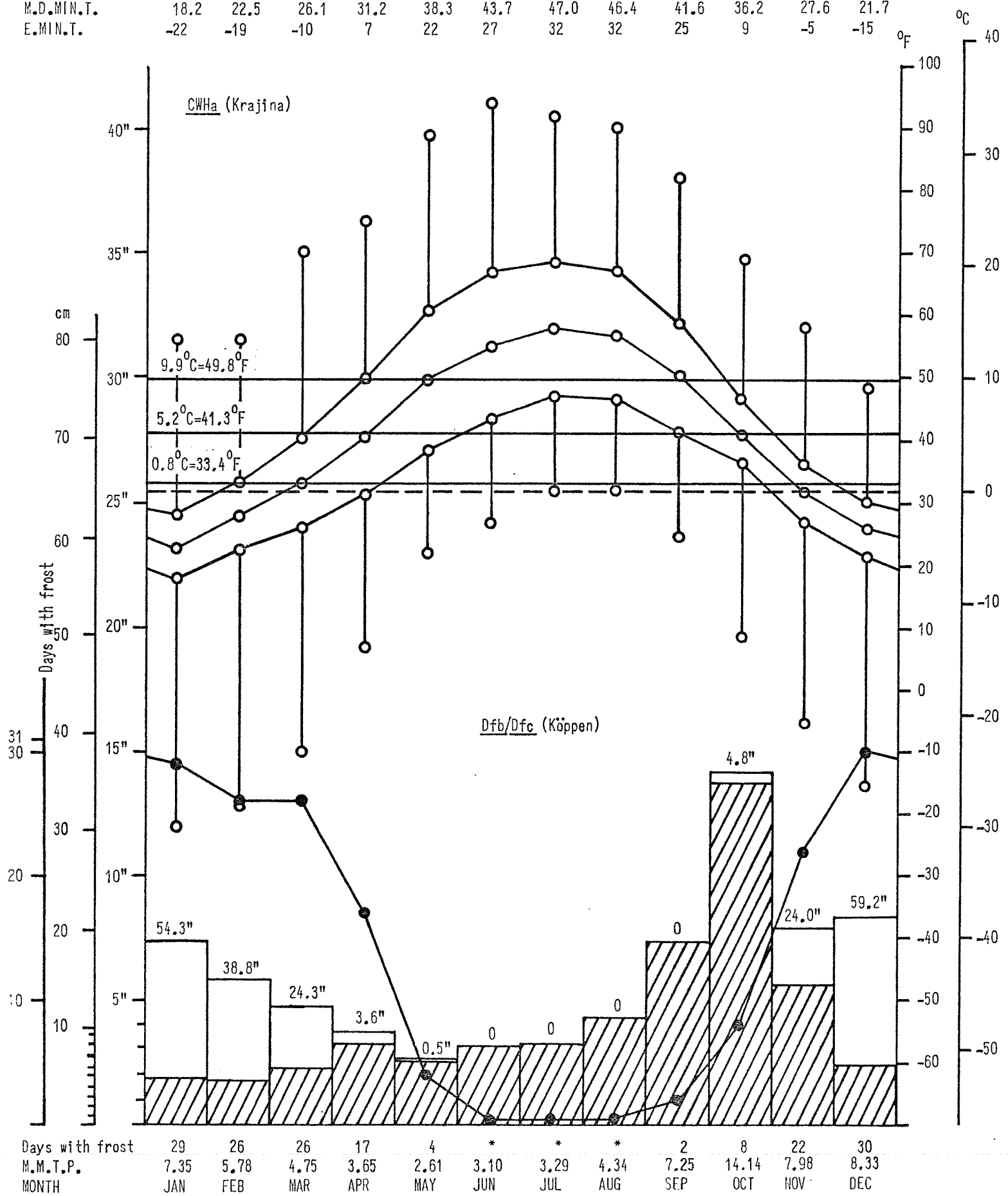
Nearest climatological station :

1. Name Stewart
2. Climatological station on IBP Area*? Yes No X...
3. If (2) not, distance from edge of IBP Area* (state units) 50 mi.
4. Direction from IBP Area* SW
5. Additional data sheet attached? Yes X... No

STEWART 55°57'N, 129°59'W, 15' ASL. Record: 25-56 years.

Months above 50°F: 4, below 32°F: 3, A.M.T.P. 72.57", A.M.S.F. 209.5", snow % A.M.T.P.: 28.86, days with frost, yearly: 73.

E.MAX.T.	56	56	70	75	89	94	92	90	82	69	58	48
M.D.MAX.T.	28.1	33.5	40.6	49.6	60.8	66.7	68.7	67.1	58.8	46.6	36.1	30.4
M.D.T.	23.2	28.0	33.4	40.4	49.5	55.2	57.8	56.8	50.1	41.4	32.0	26.0
M.D.MIN.T.	18.2	22.5	26.1	31.2	38.3	43.7	47.0	46.4	41.6	36.2	27.6	21.7
E.MIN.T.	-22	-19	-10	7	22	27	32	32	25	9	-5	-15



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	A	1	7	a	Corno(stoloniferae)-Populo(trichocarpae)-Piceo(engelmannii)-Abietetum lasiocarpae	
2	1	A	1	7	a	Oplopanaco(horridi)-Piceo(engelmannii)-Abietetum lasiocarpae	
3	1	A	1	7	a	Pleurozio(schreberi)-Rubo(pedati)-Tsugetum heterophyllae	
4	1	A	1	7	a	Gymnocarpio(dryopteridis)-Corno(canadensis)-Abieto(lasiocarpae)-Tsugetum heterophyllae	
5	1	A	1	7	a	Oplopanaco(horridi)-Alno(sinuatae)-Tsugo(mertensianae)-Abietetum lasiocarpae	
6	1	A	1	7	a	Rubo(pedati)-Vaccinio(alaskaensis)-Tsugetum mertensianae	
7	1	B	1	6		Nano-Streptopo(roseii)-Tsugetum mertensianae	
8	1	A	1	7	a	Tsugo(mertensianae)-Abietetum lasiocarpae	
9	1	F	1	2		Cassiopo(mertensianae)-Abietetum lasiocarpae	
10	1	B	2	1		Alnetum sinuatae	
11	1	H	1	3		Juniperetum nanae	
12	1	H	2	1		Salicetum reticulatae	
13	1	C	1	2	b	Arctostaphyletum alpinae	
14	1	C	1	2	b	Cassiopetum mertensianae	
15							
16							
17							
18							
19							
20							

CWHa;

MH/ESSF

AT:

7.
(cont.)

2

Soil

Community Reference Number	Soil type	Other notes
1	AC I ₂	Cumulic Regosol
2	ABGC F ₅ /P ₂	Gleyed Podzol
3	ABC F ₅	Humo-Ferric Podzol
4	ABC F ₅	Ferro-Humic Podzol
5	ABGC F ₅ /P ₂	Gleyed Podzol
6	ABC F ₅	Ferro-Humic Podzol
7	ABC F ₅	Podzol
8	ABC F ₅	Brunisol
9	ABC F ₅	Mini Podzol
10	AGC P ₂	Gleysol
11	AC F ₃	Ranker
12	AC F ₁	Rendzina
13	AC F ₁	Rendzina
14	ABC F ₅	Brown Podzolic (Brunisol)
15		
16		
17		
18		
19		
20		

CWHa :

MH/ESSF:

AT:

9. Landscape

1. General Landscape (give brief description) Mountainous with valley bottom and small floodplain.

2. Relief Type

	Flat	Undulating (0)-200 m.	Hilly 200-1000 m.	Mountainous > 1000 m.	%
Sharply dissected				10	10
Gently dissected				90	90
Incised					
Skeletonised					
%				100	100%

3. Special landscape features (list) Recently deglaciated area not yet vegetated (part of the proposed area.).

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		X
Springs, hot		
Streams	X	X
Rivers	X	

4. Special freshwater features ... 2 mountain streams and a river floodplain.

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
Bell-Irving 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										
Reptilia												
Amphibia												
Pisces		X										
Insecta		X										

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

..... Grizzly bear (Ursus arctos horribilis);
 White Goat (Oreamnos americanus) ;
 Moose (Alces americana andersonii)

4. Flora

	Species diversity	Abundance of particular species	Rare species	Threatened/relict species	Spp. of biogeographical interest	Exceptional associations	Outstanding specimens				
Angiospermae :											
trees		X				X					
shrubs		X									
herbs		X			X						
grass		X									
Gymnospermae		X			X						
Pteridophyta		X									
Bryophyta .		X									
Lichens and Algae		X									

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

.....

15. Exceptional Interest of IBP Area*

.....
 Good representative area of forest communities for the
 region -- especially for the transition between the MH
 and the ESSF zone.

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	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			X			

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

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

R.M. Annas V.J. Krajina
Signed R.M. Annas, V.J. Krajina, and
(Surveyor) K. Klinka.

V. Annas