

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.)
Kipuka and lava beds near Aiyansh, the Nass River Basin

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

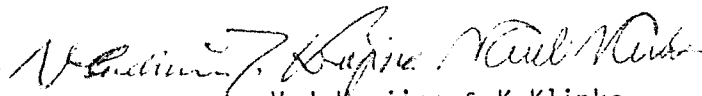
4. Approximate total acreage.
131 acres

5. Purpose of the reserve. To preserve a kipuka ecosystem (soil and possibly vegetation was not completely destroyed by lava flow, solidified as surrounding lava beds)
 - (a) Primary (state acreage)
131 acres

 - (b) Others if any (state acreage)

 - (c) Buffer areas (state acreage)
the remaining parts of lava beds which should be claimed as Provincial Park

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.
There are no trees which could be considered as economically useful. There are about 25 lodgepole pine trees which are short and economically useless.


 Signature V.J. Krajina & 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

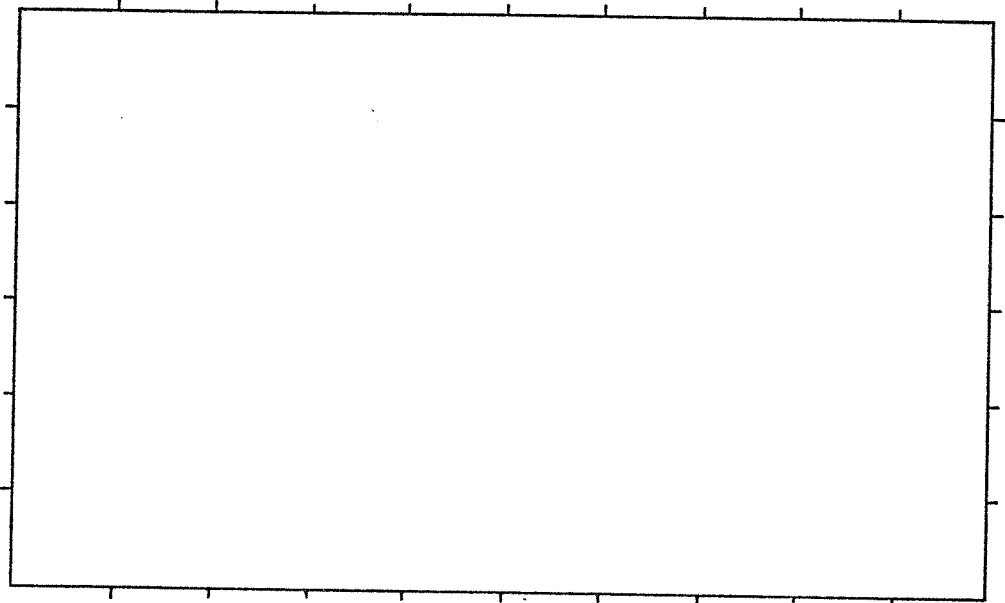
Serial Number

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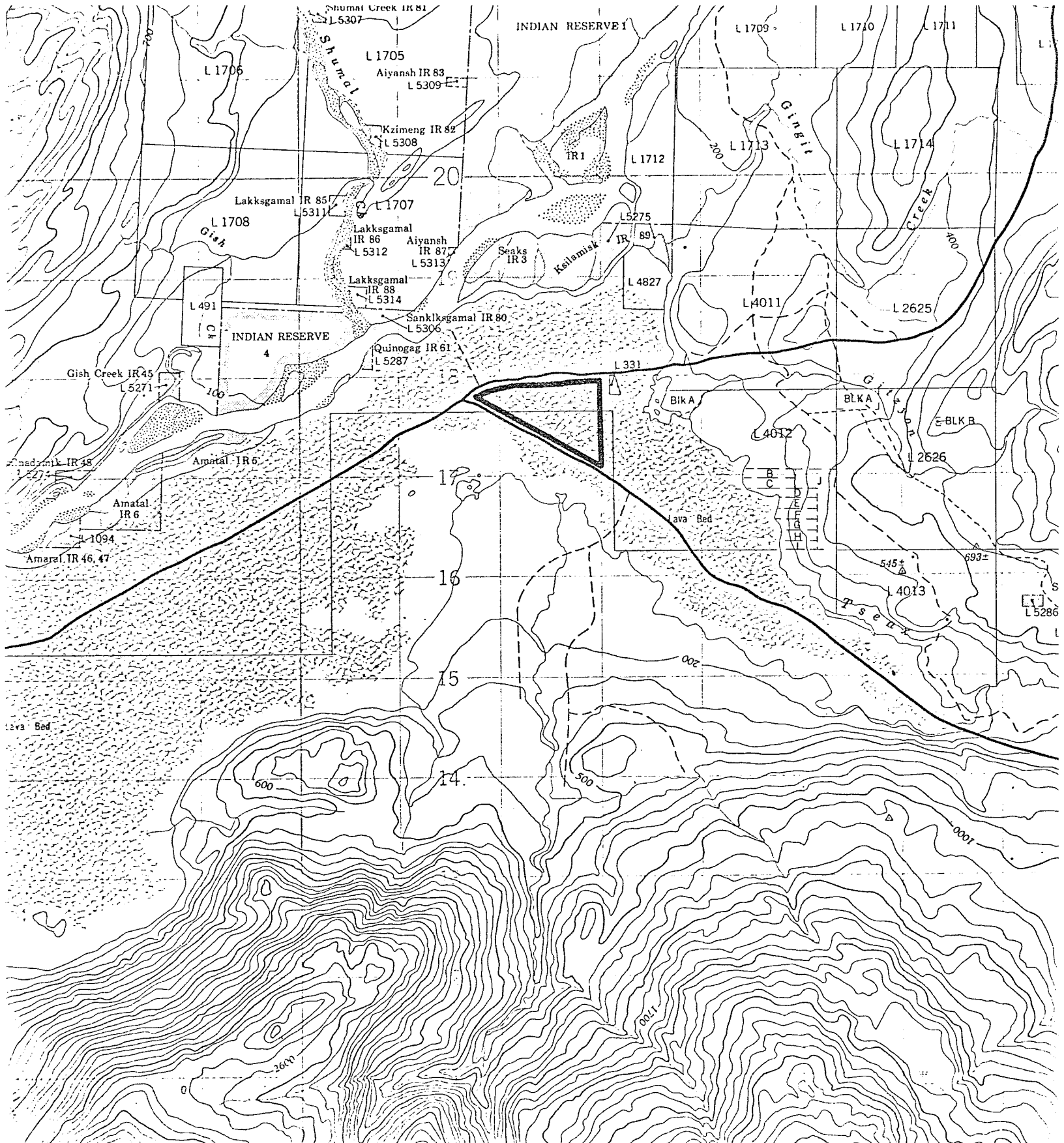
For Data Centre Use only

1. 1. Name of surveyor V.J. Krajina & Karel 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
4. Date Check Sheet completed July 23, 1973

2. 1. Name of IBP Area Kipuka and lava beds near Aiyansh, the Nass River Basin
2. Name of IBP Subdivision (or serial letter) CWHa
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.



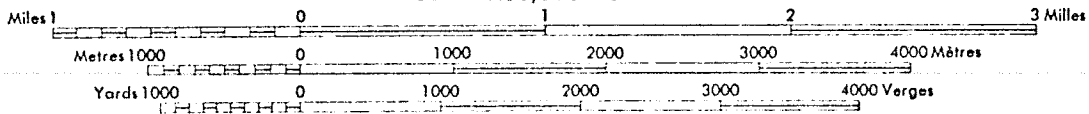
* For " IBP Area ", read IBP Area and/or IBP Subdivision.



TSEAX RIVER

CASSIAR DISTRICT
BRITISH COLUMBIA

Scale 1:50,000 Échelle



3. **Location of IBP Area***

1. Latitude..... 55 ° 12-13' N Longitude..... 129 ° 07-08' W
 Canada

2. Country

State or Province ... British Columbia County ... Terrace

(State or Province County)

4. **Administration**

National 1. Official category Crown Lands (Tree Fram License No. 1)

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) 131 acres

2. Altitude (state units of measurement) Maximum 130' (39 m)
 Minimum 120' (36 m)

6. **Climate**

Nearest climatological station :

1. Name Aiyansh

2. Climatological station on IBP Area*? Yes No X

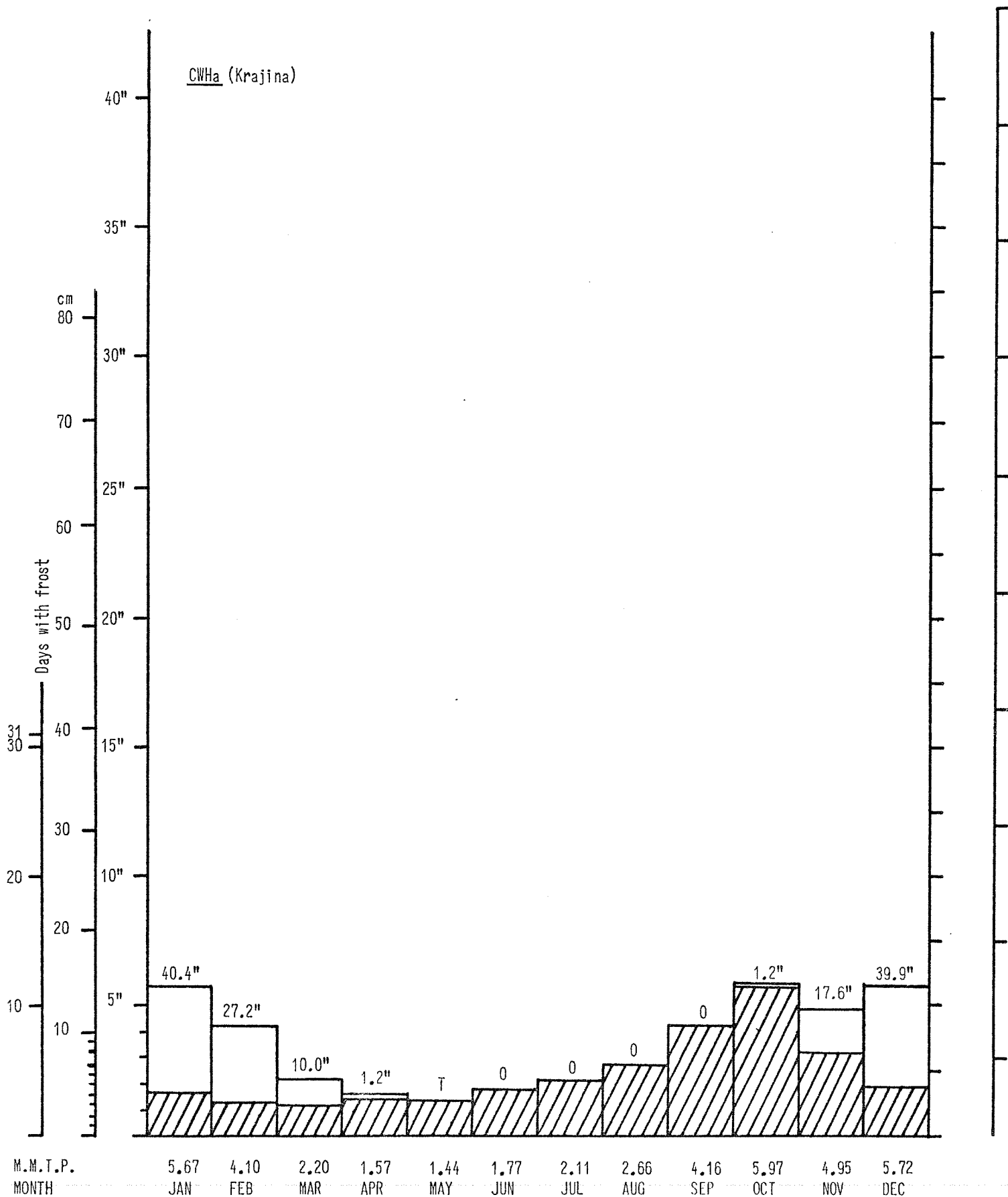
3. If (2) not, distance from edge of IBP Area* (state units) 5 mi.

4. Direction from IBP Area* SW

5. Additional data sheet attached? Yes No X

AIYANSH 55°14'N, 129°01'W, 750' ASL. Record: 25-29 years.

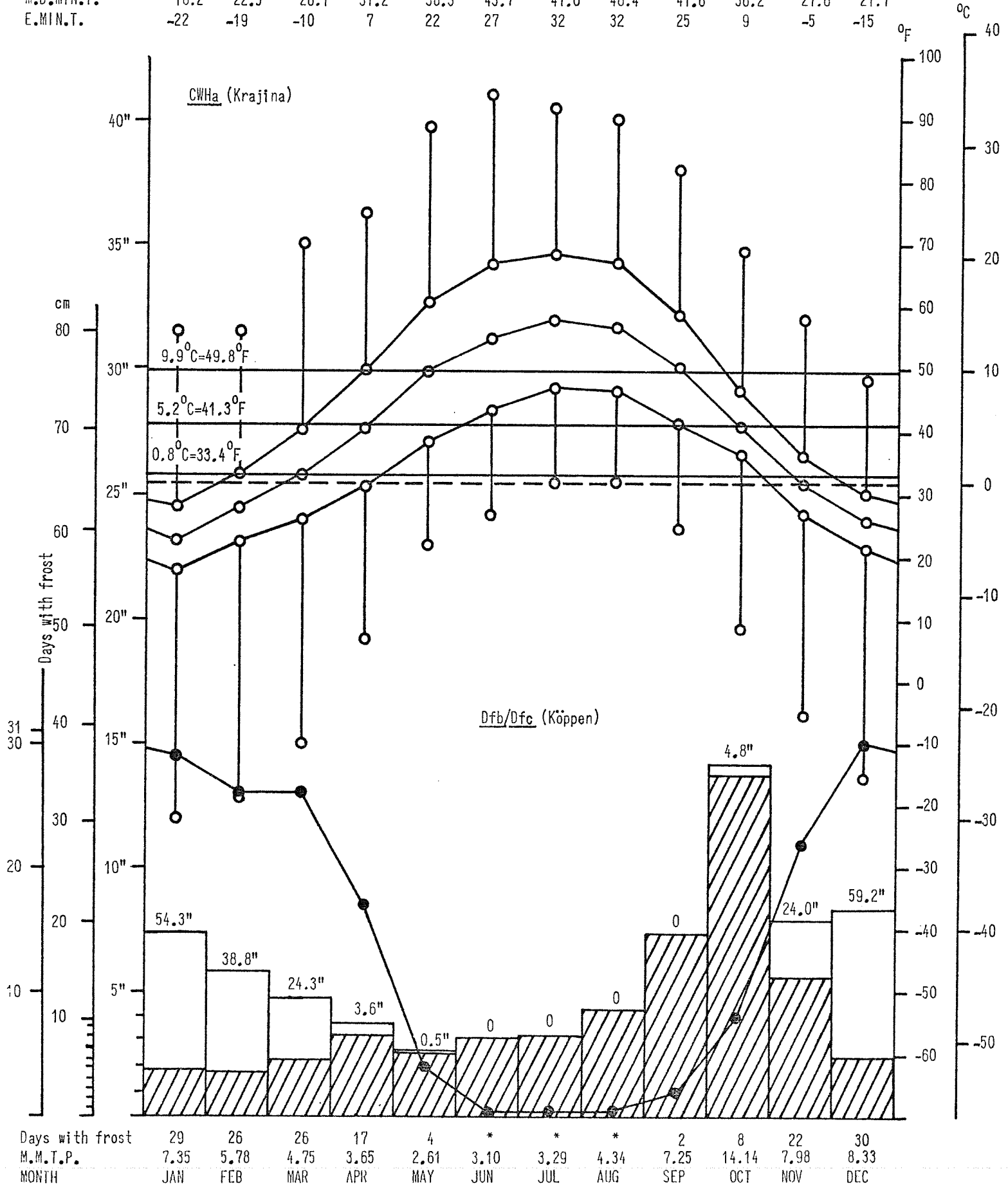
A.M.T.P. 43.32", A.M.S.F. 137.5", snow $\bar{\phi}$ A.M.T.P.: 31.74.



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. 51.31", A.M.S.F. 209.5", snow % A.M.T.P.: 40.84, 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	0	2	1		Stereocaulonetum tomentosi	
2	1	0	1	2		Cladonio - Rhacomitrietum lanuginosi	
3	1	D	1	4	a	Arctostaphylo (uvae-ursi) - Chimaphilo (umbellatae) - Shepherdio (canadensis) - Pinetum contortae	
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

7.
(cont.)

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Soil

Community Reference Number	Soil type	Other notes
1	AC F ₃	Ranker
2	AC F ₃	Ranker
3	ABC F ₅	Kipuka - ?luvisol or brunisol (brown wooded soils)
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) a limited "kipuka" surrounded by
 lava beds (mostly pahoehoe)

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		X
Standing		
Running		

2. Standing Water

	nil			
	Permanent	Intermittent	Unproductive	Productive
Swamps				
Ponds				
Lakes				

3. Running Water

	nil	
	Permanent	Intermittent
Springs, cold		
Springs, hot		
Streams		
Rivers		

4. Special freshwater features nil - water here is only from the precipitation

12. Salt and Brackish Water within IBP Area*

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
 Nass 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	?											
Aves	X											
Reptilia												
Amphibia												
Pisces												
Insecta	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					
herbs						X					
grass						X					
Gymnospermae						X					
Pteridophyta			X								
Bryophyta						X					
Lichens and Algae						X					

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

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15. Exceptional Interest of IBP Area*

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16. Significant Human Impact

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

LAST FIRE HERE WAS PROBABLY DURING THE ERUPTION

3. Additional details on each type of impact attached?

Yes No X