

Report 23.18

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

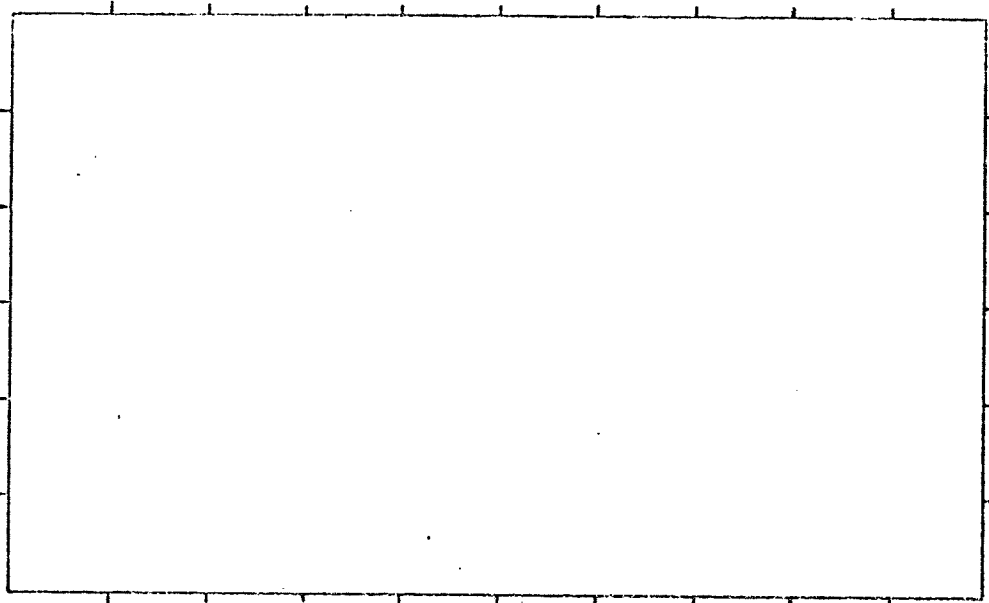
Serial Number

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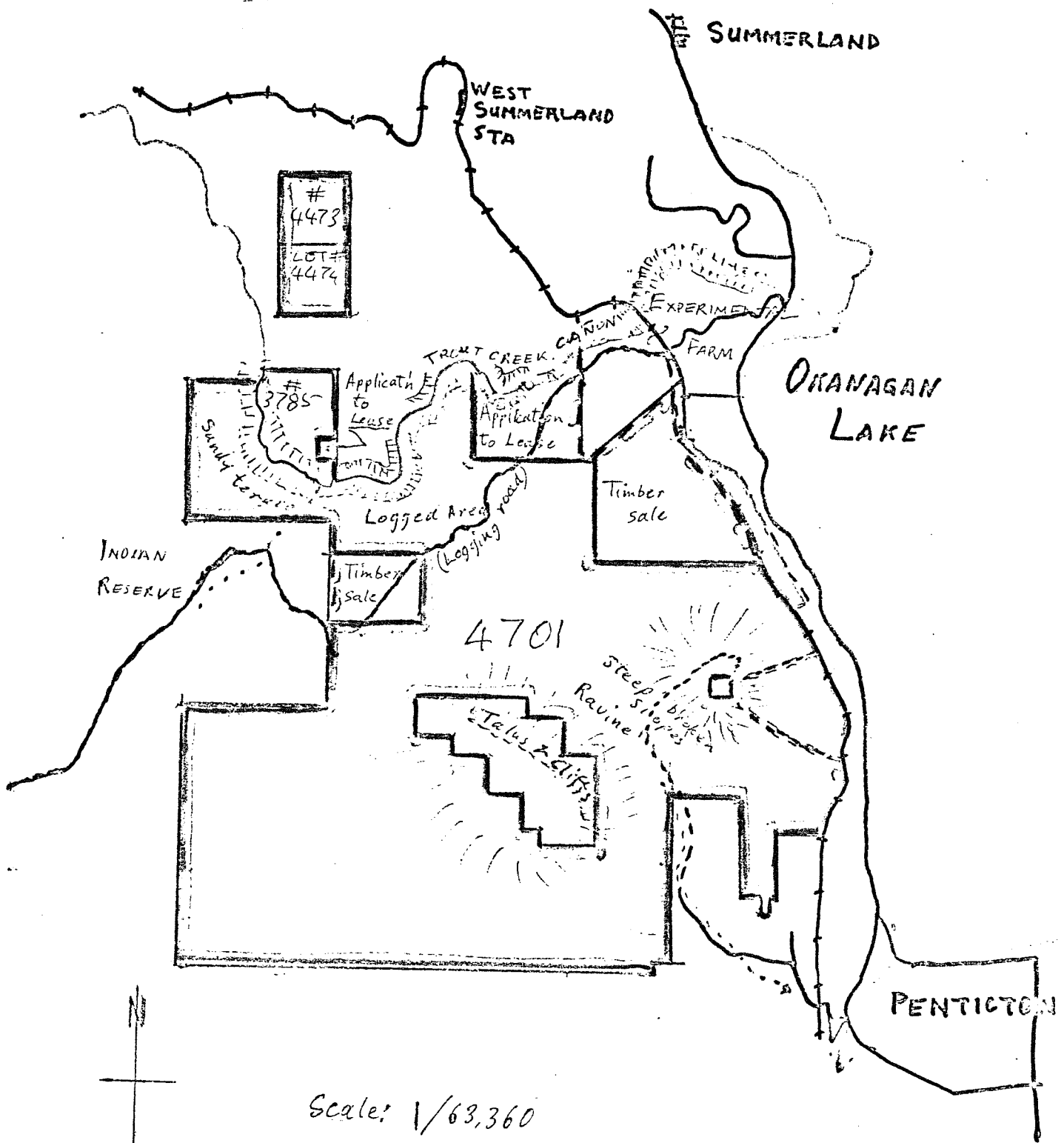
For Data Centre Use only

1. 1. Name of surveyor Brayshaw, T. C.
2. Address of surveyor Provincial Museum.
- Victoria, British Columbia, Canada
3. Check Sheet completed (a) on site x (b) from records
4. Date Check Sheet completed 5/June/1968

2. 1. Name of IBP Area Summerland Plateau
2. Name of IBP Subdivision (or serial letter)
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 Sketch map attached



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



3. Location of IBP Area*

1. Latitude $49^{\circ} 30 - 34' N$ N/S Longitude $119^{\circ} 27 - 43' W.$ E/W
2. Country ...Canada.....
 State or Province British Columbia County
 (State or Province County)

4. Administration

- Crown Land: uncommitted except as indicated on map**
- National 1. Official category
2. Address of administration Dept. Lands Forests & Water Resources,
Parliament Buildings,
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) <input checked="" type="checkbox"/>

5. Characteristics of IBP Area*

1. Surface area (state units of measurement) ca. 10 sq. Miles
2. Altitude (state units of measurement) Maximum 4600 feet (1400 metres)
 Minimum 1500 feet (450 m.)

6. Climate

Nearest climatological station :

1. Name Summerland: Experimental Farm
2. Climatological station on IBP Area*? Yes No
3. If (2) not, distance from edge of IBP Area* (state units) 1 mile
4. Direction from IBP Area* NE
5. Additional data sheet attached? Yes 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	1	D	1	4	a	<i>Pinus ponderosa</i> - <i>Agropyron spicatum</i>	f
2	1	D	1	4	a	<i>Pseudotsuga menziesii</i> - <i>Agropyron spic.</i>	
3	1	A	1	7	a	<i>Pseudotsuga</i> - <i>Calamagrostis rubescens</i>	
4	1	A	1	7	a	<i>Pseudotsuga</i> - <i>Calamagrostis</i> - <i>Arctostaphylos uva-ursi</i>	
5	1	A	2	1		<i>Betula occidentalis</i> - <i>Populus tremuloides</i>	
6	1	D	1	4	a	<i>Pseudotsuga</i> - (<i>Pinus ponderosa</i>) - <i>Amelanchier alnifolia</i>	
7							
8							
9							
10							
11							
12							
13							
14							
15							
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	F ₁	Gravelly loam-sand & silt loam, on level to steep slope, N or S.
2	F ₁	N slopes at lower elevations
3	F ₂ /F ₄	N slopes at higher elevations
4	F ₃ /I ₂	Gravels and sands N slopes at mid to higher elevations
5	P ₁	Silty, depressions in level terrace lands.
6	P ₁ /P ₂	Rocky ravines & talus (stabilized) & outcrops.
7		
8		
9		
10		
11		
12		
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9. Landscape

Steep rocky hills rise from sandy
 1. General Landscape (give brief description) to gravelly (locally silty) terraces. Some deep ravines with talus slopes. Trout Creek Cañon in north isolates and to some extent protects part of area (Lot 3785).

2. Relief Type

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

3. Special landscape features (list) Trout Creek Cañon isolates and to some degree protects the NW corner of area (Lot 3785) from the rest. This lot may be less intensively graded than remainder.

10. Coastline of IEP 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)

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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		x
Running	x	x

2. Standing Water

	Permanent	Intermittent	Unproductive	Productive
Swamps				
Ponds		x		
Lakes				

3. Running Water

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

4. Special freshwater features

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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

2. Salt and Brackish

Estuary	Salt lake	Salt pool	Lagoon	Ocean		

16. Significant Human Impact

1. General : None in entire IBP Area*

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						
Drainage						
Other soil disturbance						
Grazing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Selective flora disturbance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Logging	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
Plantation						
Hunting						
Removal of predators						
Pesticides						
Introductions — plants	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
Introductions — animals						
Fire						
Permanent habitation						
Recreation and tourism						
Research						

3. Additional details on each type of impact attached?

Yes No

17. Conservation Status

	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							
Fauna												
Non-living												

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 For part of area None

19. Other Relevant Information

Signed *J.C. Pringle*
 (Surveyor)

17. Utilization:

Grazing:

Cattle from the adjacent Indian Reserve to the west, and ~~perhaps~~ sometimes from ranches elsewhere graze in the area.

Grazing is heavy at low altitudes, especially in the north, causing noticeable reduction in grass cover and probably contributing to the locally very dense tree regeneration. This condition is less conspicuous at high levels or on steep slopes. The parklike *Pinus ponderosa* - *Agropyron spicatum* stand ~~mark~~ on lot 3785 appears from a distance to be relatively undisturbed; though it may be grazed casually by cattle from nearby fruit farms. It appears to be cut off from ranch cattle by the intervening gorge of Trout Creek.

Logging:

Almost all of the accessible forest has been or is being logged 'selectively' (i.e. *Pinus ponderosa* is removed down to a certain minimum size. *Pseudotsuga* is utilized to a small extent, apparently more so in current than in past logging operations. In mixed stands trending to *pseudotsuga* dominance (with *Calamagrostis* and *Calamagrostis* - *Arctostaphylos* ground-covers) this has the effect of hastening the successional trend.

18. References:

2. Maps: British Columbia topographical series: 1 inch ; 2 miles Sheet # 82 E/NW available from British Columbia Department of Lands, Forests & Water Resources,