

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

Report 5

Serial Number

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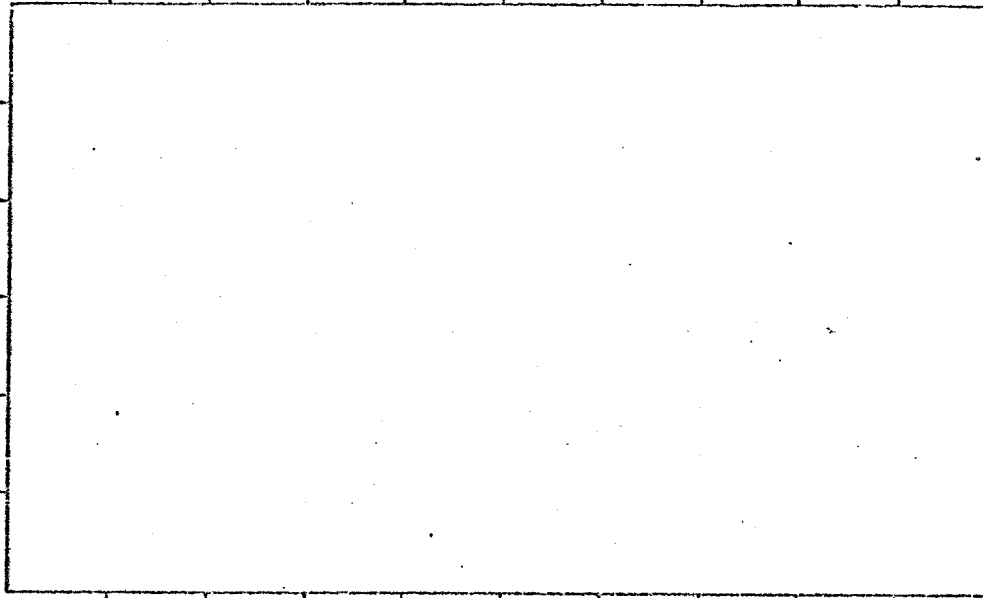
For Data Centre Use only

1.

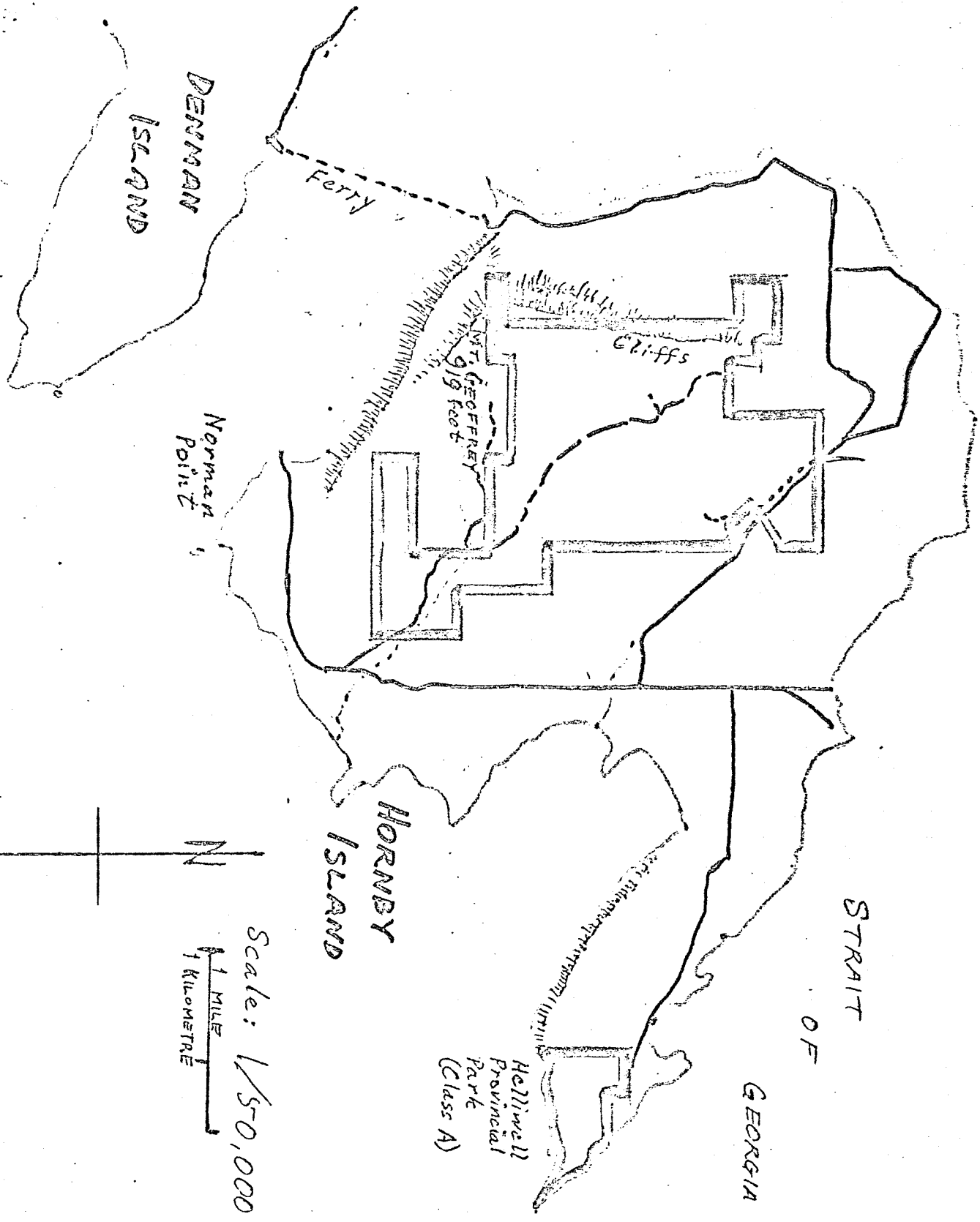
1. Name of surveyor T. M. C. Taylor & T. C. Brayshaw
2. Address of surveyor Provincial Museum
Victoria, British Columbia, Canada
3. Check Sheet completed (a) on site (b) from records
4. Date Check Sheet completed 27/Aug./-68

2.

1. Name of IBP Area Hornby Island
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 when applicable



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



DENMAN
ISLAND

Norman
Point

Ferry

Cliff

MT. GEOFFREY
919 Feet

HORNBY
ISLAND

STRAIT
OF

GEORGIA

Hellmuth
Provincial
Park
(Class A)

N

1 MILE
1 KILOMETRE

Scale: 1/50,000

3. Location of IBP Area*

1. Latitude $49^{\circ} 31' N$ N/S Longitude $124^{\circ} 40' W$ E/W
 2. Country Canada
 State or Province British Columbia County
 (State or Province County)

4. Administration

- National 1. Official category Crown Land
 2. Address of administration Dept. Lands, Forests & Water Resources,
Victoria, British Columbia, 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. 1700 Acres. (ca. 690 Hectares)
 2. Altitude (state units of measurement) Maximum 900 feet (274 metres)
 Minimum 200 " (61 m.)

6. Climate

Nearest climatological station :

1. Name Comox (Airport)
 2. Climatological station on IBP Area*? Yes No (Hornby Island met. station formerly operated for 3 years)
 3. If (2) not, distance from edge of IBP Area* (state units) 16 miles. (27 Kilometres)
 4. Direction from IBP Area* NW
 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	A	1	7	a	Pseudotsuga - Gaultheria shallon	
2							
3							
4							
5							
6							
7							
8							
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11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

7.
(cont.)

2

Soil

Community Reference Number	Soil type	Other notes
1	F ₅	Coarse gravelly mantle, very shallow on conglomerate rock, dipping to east, gently.
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

9. Landscape

Gently undulating moderate slope to

1. General Landscape (give brief description) East..... West-facing cliff along..... North half of West boundary.

2. Relief Type

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

3. Special landscape features (list) General landscape form is very uniform... over most of area, except for cliffs in 11.

10. Coastline of IBP Area* None

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				
Ponds				
Lakes				

3. Running Water

	Permanent	Intermittent
Springs, cold		
Springs, hot		
Streams		x
Rivers		

4. Special freshwater features

.....

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		
					Strait of Georgia	

16. Significant Human Impact

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

2. Particular

	Past impact	Present impact	Trend			
			Increasing	Decreasing	No change	No information
Cultivation						
Drainage						
Other soil disturbance						
Grazing						
Selective flora disturbance						
Logging	X			X		
Plantation						
Hunting	X					
Removal of predators	X					
Pesticides						
Introductions — plants						
Introductions — animals						
Fire						
Permanent habitation						
Recreation and tourism						
Research						

3. Additional details on each type of impact attached?
 Yes **X** 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		X					
Fauna	X											
Non-living	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 ^X No

3. Aerial photographs for the IBP Area available?

For whole area ^X For part of area None

19. Other Relevant Information See Sheet attached.

Signed *C.C. Bragg*
 (Surveyor)

16.3 Area has been logged except for steep cliffs. Young regenerating secondary forest growing over most of area. Fairly heavy browsing by coast deer (*Odocoileus hemionus columbianus*). Scattered old trees remain, mainly of *Pseudotsuga menziesii*.

18.2 Maps Available.

From Dept. of Lands, Forests & Water Resources, (British Columbia)
Topographical: Sheet 92 F/10 East half: ('Ccmox'). Scale: 1/50,000.

Status map: Hornby Island. 1 inch : 1000 feet (1/12,000)

Additional Notes.

The prospective reserve area, as outlined in the sketch map, includes a west-facing escarpment with cliffs, and in the NW corner, and the summit of Mt. Geoffrey is at its SW corner. These parts were not visited in the initial visit, owing to shortage of time. Since these areas may include communities of interest, it is recommended that they be examined before the area is definitely rejected or accepted for reservation. This would require an overnight stay. The remainder of the area has been so greatly disturbed by logging that in the opinion of the surveyors it is not worth reserving.

Helliwell Provincial Park may include areas of Garry oak parkland. Unfortunately this area was not visited in the initial trip. Its potentialities may be worth examining.

One of the three known stations for *Dryopteris arguta* in Canada occurs at Norman Point, but this species is not known away from the immediate shore, or from the prospective reserve area.

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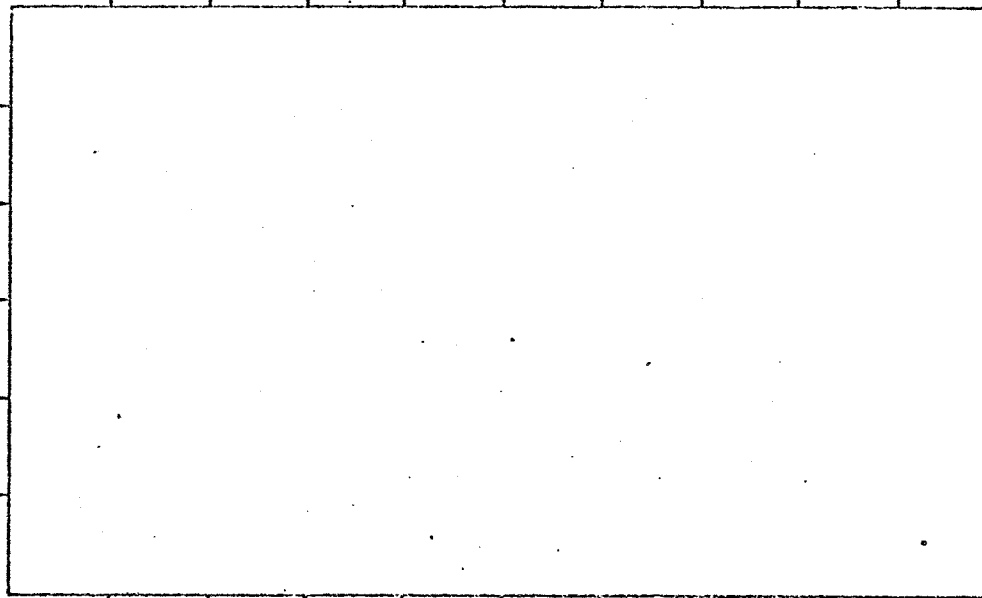
For Data Centre Use only

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- 1. Name of surveyor T. M. C. Taylor, & T. C. Brayshaw
- 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 27/Aug./-68

2.

- 1. Name of IBP Area Valdes Island
- 2. Name of IBP Subdivision (or serial letter)
- 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



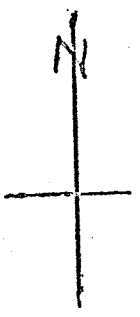
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STRAIT OF
GEORGIA

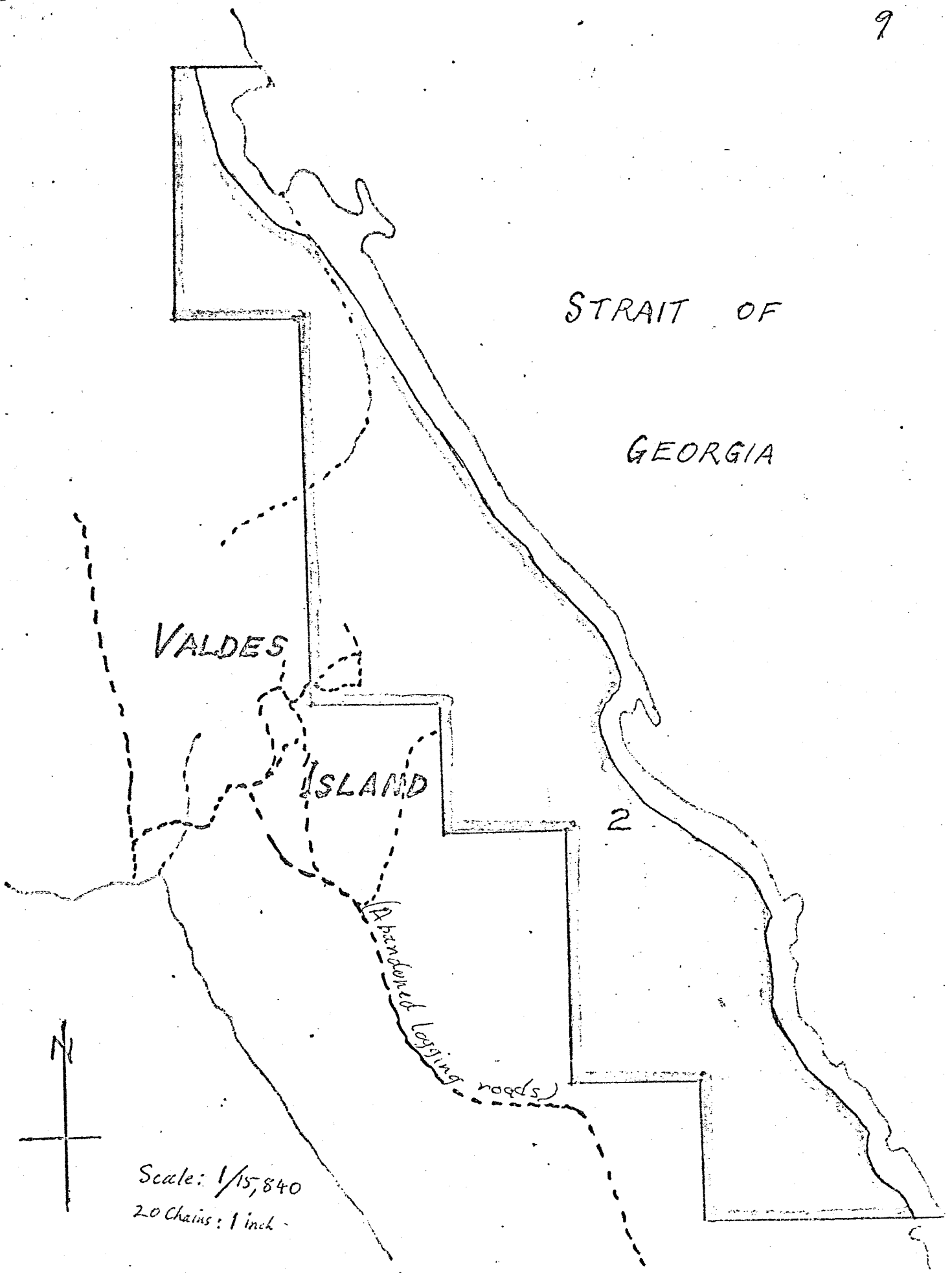
VALDES
ISLAND

Abandoned logging roads
(spoon)

2



Scale: 1/15,840
2.0 Chains: 1 inch



3. Location of IBP Area*

1. Latitude $49^{\circ} 03' N$ N/S Longitude $123^{\circ} 37' W.$ E/W
2. Country Canada
 State or Province British Columbia County
- (State or Province County)

4. Administration

- National 1. Official category Crown Land
2. Address of administration Dept. Lands, Forests & Water Resources,
Victoria, British Columbia
-
-
-

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*

- ca. 210 acres
1. Surface area (state units of measurement) :
2. Altitude (state units of measurement) Maximum 600 feet (180 metres)
 Minimum less than 100 feet

6. Climate

Nearest climatological station :

1. Name Nanaimo Airport
2. Climatological station on IBP Area*? Yes No
3. If (2) not, distance from edge of IBP Area* (state units) 10 miles (18 Kilometres)
4. Direction from IBP Area* West
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	A	1	7	a	Pseudotsuga - Gaultheria shallon	most of area
2	1	A	1	7	a	Pseudotsuga - mosses	
3	1	A	1	6/7	a/a	Pseudotsuga - Arbutus - grasses	
4							
5							
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18							
19							
20							

7.
(cont.)

2

Soil

Community Reference Number	Soil type	Other notes
1	F ₅	Gravelly soil of varying depth , sloping NE.
2	F ₅	Similar, on lower slopes
3	F ₃	on ridges and outcrops of sandstone rock
4		
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16		
17		
18		
19		
20		

9. Landscape

1. General Landscape (give brief description) Moderately steep northeast slopes from crest of island ~~to~~ ridge toward but not to the sea, broken by rock ribs and shallow ravines,

2. Relief Type: Flat Undulating (0)-200 m. Hilly 200-1000 m. Mountainous > 1000 m. %

Sharply dissected					
Gently dissected		x			
Incised					
Skeletonised					
%					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

3. Physiography. % of coast Cliffed Sloping Flat

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 Area³

1.

	Permanent	Intermittent
General		
Standing		
Running		x

2. Standing Water

	Permanent	Intermittent	Unproductive	Productive
Swamps				
Ponds				
Lakes				

3. Running Water

	Permanent	Intermittent
Springs, cold		
Springs, hot		
Streams		x
Rivers		

4. Special freshwater features

.....

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"/>

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1. Fresh Lake River Stream

2. Salt and Brackish

Estuary	Salt lake	Salt pool	Lagoon	Ocean		
					Strait of Georgia,	

16. Significant Human Impact

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

2. Particular

	Past impact	Present impact	Trend			
			Increasing	Decreasing	No change	No information
Cultivation						
Drainage						
Other soil disturbance						
Grazing						
Selective flora disturbance						
Logging	x			x		
Plantation						
Hunting	x					
Removal of predators	x					
Pesticides						
Introductions — plants						
Introductions — animals						
Fire	x					
Permanent habitation						
Recreation and tourism						
Research						

3. Additional details on each type of impact attached?

Yes See 19 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		X					
Fauna												
Non-living												

18. References

- List major biological/geographical references for the IBP Area.
Sheet attached? Yes No
- List main maps available for the IBP Area.
List attached? Yes No
- Aerial photographs for the IBP Area available?
For whole area For part of area None

19. Other Relevant Information

Most of area has been logged except for more broken and less productive areas. Regeneration of forest extremely uneven. Parts of area have been burned. Browsing by coast deer (*Odocoileus hemionus columbianus*) moderately heavy.

Signature *J. C. Bragg*
.....
(Surveyor)

18. References:

2. Maps:

B. C. Dept. Lands forests & water Resources topographical
Sheet #92 G/SW, Scale 1/126,720

Status Sheet: Valdes Island, Scale 20 chains : 1 inch (1/792)