

Sextant Rapids  
Provincial Nature  
Reserve

Interim Management  
Statement

# Northern Region



Ontario

Ministry of  
Natural  
Resources

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March, 1985

REGIONAL DIRECTOR'S APPROVAL STATEMENT

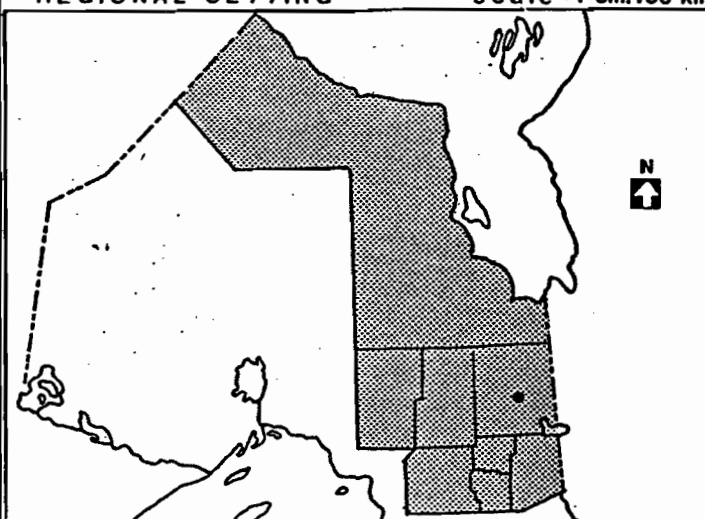
I am pleased to approve this Interim Management Statement for Sextant Rapids Provincial Park.

This Statement will provide direction for the Management of Sextant Rapids Provincial Park until a Park Management Plan is completed. It will also set the general direction for the preparation of the more detailed management policies that the Management Plan will contain.

A handwritten signature in black ink, appearing to read "R.A. Riley".

R.A. Riley  
Regional Director  
Northern Region

# BACKGROUND

<b>NAME:</b> Sextant Rapids (formerly Pitt Twp.)	<b>REGIONAL SETTING</b> <span style="float: right;">scale - 1 cm:150 km</span>
<b>PROPOSED CLASS:</b> Nature Reserve	
<b>M.N.R. DISTRICT:</b> Cochrane	
<b>M.N.R. REGION:</b> Northern	
<b>AREA (ha.):</b> 3.0 ha	
<b>SITE REGION:</b>	
<b>SITE DISTRICT:</b>	
<b>DATE in REGULATION:</b>	

### LIFE SCIENCE TARGET

site type/landscape unit	species/communities

### EARTH SCIENCE TARGET

geological theme	feature
Paleozoic - Lower Devonian	Sextant Formation Lamprophyre intrusions

### CULTURAL RESOURCE TARGET

theme	theme segment

### RECREATION OPPORTUNITIES TARGET

day use	car camping	wilderness back country

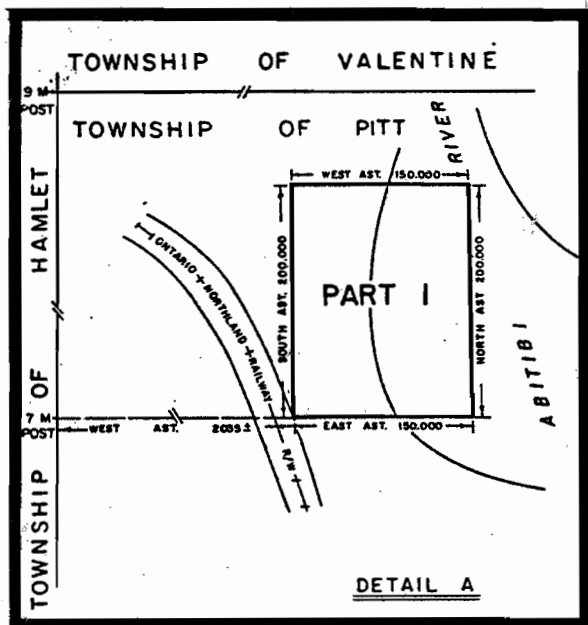
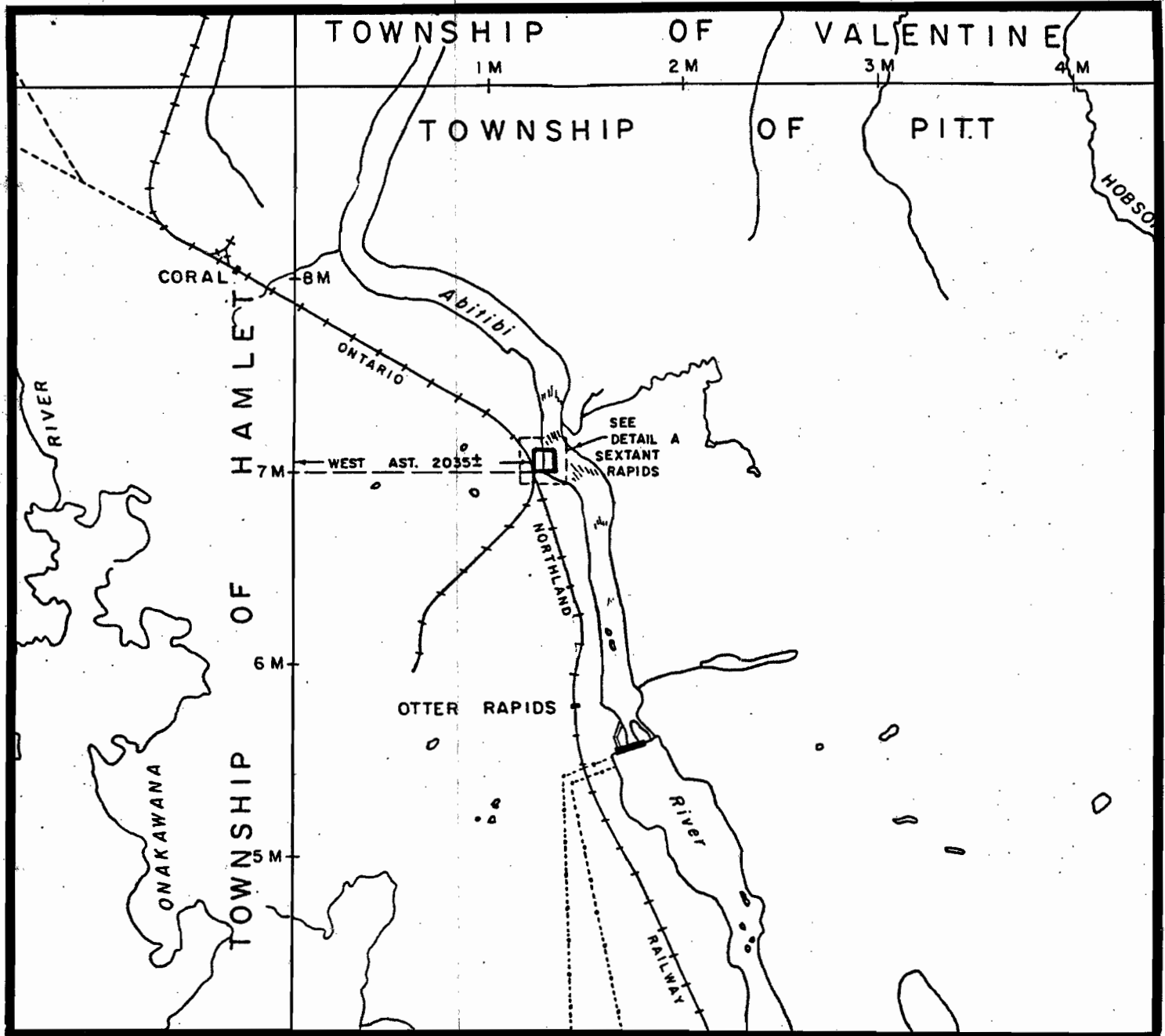
### INVENTORIES

level	type	earth science	life science	cultural	recreational
reconnaissance completed		Yes	No	No	No
detailed completed		Yes	No	No	No
required		No	No	No	No

### POTENTIAL RESOURCE USE CONFLICT

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APPENDIX



PLAN OF  
 SEXTANT RAPIDS  
 PROVINCIAL NATURE RESERVE  
 IN THE  
 TOWNSHIP OF PITT  
 DISTRICT OF COCHRANE

MANAGEMENT STATEMENT

1. Issues

There are no relevant management issues for this park.

2. Resource Management Guidelines

2.1 Mineral Resources Management

<u>Analysis</u>	<u>Guidelines</u>	<u>Recommendation</u>
The nature reserve status of the park protects it from any form of degrading land use/activity including such forms of surface exploration/mining as open pit mining.	Geological research may be authorized by the district manager provided that such activity enhances knowledge/understanding of the geological features, and that the results of such work are made available to M.N.R.  Mineral exploration/extraction will not be permitted.	That the guidelines be implemented with the approval of the plan.

2.2 Wildlife Management

<u>Analysis</u>	<u>Guidelines</u>	<u>Recommendation</u>
The park falls within traplines CC-181 and 186	As hunting and trapping pose no threat to site values, these activities will be permitted.	That the guidelines be implemented with the approval of the plan and following appropriate changes to regulations under The Game and Fish Act.

2.3 Vegetation Management

<u>Analysis</u>	<u>Guidelines</u>	<u>Recommendation</u>
The park contains no known significant vegetation sites.	Silviculture which enhances the park's geological features will be permitted.	That the guidelines be implemented with the approval of the plan.

### 3.0 Client Services Management Guidelines

- 3.1 Information: Basic information about Sextant Rapids Provincial Park will be produced for geologists and students. Specifically, a small leaflet providing information about access, the park's significance, references, and so forth, using photos, access and geological maps, and text should be adequate.
- 3.2 Education: Prospective visitors should be warned of the resource's vulnerability to damage from collectors; for example in any publication which is produced for the park.
- 3.3 Development: At present, the site is undeveloped and access is restricted to the use of watercraft. This situation facilitates protection of the site from human impact, and will be maintained.

### 4.0 Research

The Ontario Provincial Parks Planning and Management Policies describes scientific research policy in nature reserves as follows (NR-IV-10).

Scientific research by qualified individuals, which contributes to knowledge of natural .... history and to environmental management, will be encouraged in Nature Reserves.

All research programmes will require the approval of the Ministry of Natural Resources and must also meet all requirements under applicable provincial and federal legislation. The Ministry may approve the removal of .... geological samples .... by qualified researchers .... Approved research activities and facilities will be compatible with protection values .... in individual Reserves, and will be subject to development and management policies for Nature Reserves unless special permission is given. Sites altered by research activities will be rehabilitated as closely to their previous condition as possible.

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APPENDIX 1: NATURAL RESOURCES BACKGROUND  
INFORMATION

Frey (1980) appraises the park's earth science features as being of national significance according to the follow rationale.

[This is] a typical stratigraphic section of part of the Sextant Formation. It is a Nature Reserve candidate because it included several lamprophyre sills interbedded with lower sandstone bedding units. These mafic intrusive rocks represent the youngest known Paleozoic igneous event in the Moose River Basin. The section is subdivided into four sandstone units of arkosic to conglomeratic composition. They contain thin carbonaceous lenses that have yielded terrestrial plant fossils (Sanford and Norris, 1975, pt. 1, p. 34-38; pt. 11, p. 1-3).



17a-h EARTH SCIENCE NATURE RESERVE FEATURES

Ontario Hydro.

a. Area Description

Earth science nature reserves are relatively small, significant or representative areas that are identified to achieve part of the Ministry's protection/heritage appreciation objectives. Across the Cochrane District, eight such sites have been identified outside of provincial parks and park candidates. These areas are:

Three of these sites are nationally recognized standard reference sections for various earth science formations. The other five are provincially recognized.

b. Land Use Intent

These areas are being recommended for park status.

Site	Township	Area (ha.)	Significance
a	Hobson	4.0	Provincial
b	Hobson	0.7	Provincial
c	Valentine	1.5	Provincial
d	Valentine	2.44	National
e	Valentine	2.44	Provincial
f	Pitt	2.44	Provincial
g	Beniah	1.22	National
h	Wilkie	1.22	National

Due to the size of the areas, and given the variety of uses that are ongoing within them, it is further recommended that most of the ongoing activities within the areas be permitted to continue. The exception to this would be commercial logging which is not recommended as a continuing use. An outline of those ongoing activities which are recommended for continuation is given in the Land Use Activity section, however it must be realized that in some instances further refinement may be required.

These various geological features cover an area of 15.96 hectares in total. Six of these areas have reserved flooding rights that are held by

c. Land Use Activity for Area No. 17a-h — EARTH SCIENCE NATURE RESERVE FEATURES

Activity	Acceptable		Recommended Guidelines
	Yes	No	
Aggregate Extraction		x	
Agriculture		x	
Bait Fishing		x	Not applicable.
Commercial Fishing		x	
Cottaging		x	
Crown Land Recreation		x	Not applicable
Forestry		x	
Hunting	x		It is recommended that hunting be permitted to continue.
Mining		x	
Provincial Parks	x		Recommended for park status.
Roads		x	
Rural Residential		x	

Activity	Acceptable		Recommended Guidelines
	Yes	No	
Sport Fishing	x		It is recommended that sport fishing be permitted to continue.
Tourism		x	No commercial facilities will be allowed.
Trapping	x		It is recommended that existing trapping activity be permitted to continue.
Wildlife Viewing	x		
Wild Rice Harvesting		x	
Urban Development		x	
Other	x		The Ministry will continue to work closely with Ontario Hydro concerning the planning and design of any future hydraulic proposals in the area.

REFERENCES

- Frey, E. "Candidate Earth Science Nature Reserves", Northern Region (unpublished), 1980.
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INTERIM MANAGEMENT STATEMENT FOR SEXTANT RAPIDS  
PROVINCIAL PARK

I have read this statement and weighed its recommendations in regards to my area of assigned responsibility. I have made my views known and have participated in the District decision and choice of action.

DISTRICT APPROVAL -----	DATE -----	SIGNATURE -----
District Manager	-----	-----
Lands/ Fish & Wildlife Supervisor	Jan 11/85	<i>[Signature]</i>
Field Services Supervisor	Jan 10-85	<i>[Signature]</i>
Forest Mgmt. Supervisor	-----	-----
Parks and Rec Areas Supv.	Jan 11/85	<i>[Signature]</i>
District Planner	Jan 28/85	<i>[Signature]</i>
Fire	Jan 11/85	<i>[Signature]</i>



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