Jackson Lake Conservation Reserve

Statement of Conservation Interest



Ministry of Natural Resources Nipigon District

February 2001

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APPROVAL PAGE

STATEMENT OF CONSERVATION INTEREST

for

JACKSON LAKE CONSERVATION RESERVE

C2231

Nipigon District

Northwest Region

The purpose of this Statement of Conservation Interest is to identify natural heritage values of the Conservation Reserve and the activities which occur at this location. This Statement outlines the activities which will be permitted and those which will be prohibited. From this outline, the management direction for the location can be determined.

Approved:

Ian Hagman, District Manager, Nipigon

Approved:

Approved:

Charlie Lauer, Regional Director, Northwest

Date

Approved:

Date

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1. Introduction

On July 16, 1999, the Ontario Government released the Ontario's Living Legacy Land Use Strategy to guide the planning and management of Crown Lands within a large part of northern and central Ontario. A major component of this Land Use Strategy was the statement of intent to establish 378 new protected areas in this part of Ontario. This commitment is to the largest expansion of Provincial Parks and other protected areas in the history of Ontario.

The Jackson Lake Conservation Reserve (C2231) is one site within this expansion of Ontario's protected areas.

Conservation Reserves are areas of Crown land set aside by regulation under the Public Lands Act to complement provincial parks in protecting representative natural areas and specific landscape features. Most recreational activities (e.g. hiking, skiing, tourism related uses, nature appreciation) and non-industrial commercial activities (e.g. fur harvesting, bait fishing and commercial fishing) that have traditionally been enjoyed in the area will continue – provided that these use do not impact upon the natural features requiring protection. Recreational hunting and fishing are permitted uses within all new conservation reserves which have been identified through the OLL Land Use Strategy.

Commercial timber harvesting, mining, aggregate extraction and hydroelectric development are prohibited in conservation reserves. Careful mineral exploration may occur in specific new conservation reserves identified in the OLL Land Use Strategy in areas which have provincially significant mineral potential. If a portion of a conservation reserve becomes the site of a mine development, it would be removed from the conservation reserve and appropriate replacement lands would be identified and regulated as conservation reserve.

The Jackson Lake Conservation Reserve contains representative landform and vegetation types, including mixed and sparse boreal forest cover on weakly broken bedrock. It also contains wetland areas. More detail is available in the attached Earth Science Report and Life Science Report.

Access is gained to the vicinity of the site by way of logging roads which have been constructed nearby and have been kept passable by recreational users.

The purpose of this Statement of Conservation Interest is to identify the natural heritage values of Jackson Lake Conservation Reserve and the activities which occur at this location. Through a set of management guidelines, this statement will outline the activities which will be permitted and those which will be prohibited. From this outline, the management direction for the area can be determined.

2. Background Information

The Jackson Lake Conservation Reserve is located 75 kilometers northwest of the Town of Geraldton. Jackson Lake is part of a chain of lakes which include, from north to south, Elbow Lake, Jackson Lake, Todd Lake and Ledingham Lake. The area is comprised of weakly to moderately broken bedrock with thin and often discontinuous till veneers. Fluvial lacustrine materials are also present. Two organic complexes occur as well. It supports a diversity of upland forest and wetland vegetation types.

Name	Jackson Lake Conservation Reserve
Site Region / Site District	3W-3
OMNR Administrative Region / District / Area	Northwest / Nipigon / Terrace Bay-Nipigon East Area
Total Area (ha)	1166 ha
Regulation Date	June, 2000
Interested First Nations	Lake Nipigon Ojibway; Rocky Bay; Sand Point
OBM	16 4400 55400
Lat./Long.	50 05'00" / 87 48' 00"
Basemap	44554 (c. 1985)
FRI Stands	20, 23, 24, 25, 26, 27, 29, 30, 31, 32, 35, 38, 62, 63, 64, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 225, 226, 227, 228, 232, 233, 234, 235, 237, 238, 239, 240, 244, 245, 249, 250, 251, 255, 256, 257, 258, 259, 260, 261, 262, 264, 265, 267. NB: These stands either fully or partly fall in the conservation reserve.
General Local Description	Located 75 kilometres west of the Town of Geraldton, between Lake Nipigon and Onaman Lake.
Access	Lakes immediately adjacent to the area are accessible by aircraft, canoe and portage. Immediately adjacent areas to the conservation reserve are also accessible by motor vehicle.

3. RepresentationTargets

This section provides a summary of the earth science, life science and cultural resource values represented. It also outlines existing and potential recreational opportunities available.

Life Science Representation	Regionally significant mature coniferous and mixed wood forest. Representative of upland areas within Site District 3W-3.
Earth Science Representation	Representative of weak to moderately broken bedrock, fluvial lacustrine sediments and thick organic accumulations. The fluvial lacustrine sediments may represent the eastern extent of glacial Lake Kelvin.
Cultural Resource Representation	No documented cultural resources
Recreational Opportunities	Opportunities exist for wildlife viewing, fishing and hunting. Boating and canoeing opportunities are present on the eastern edge of the conservation reserve.

4. Survey Information

This section provides an overview of the inventories completed. Their level of detail and any further inventories needed.

Survey Level	Life Science	Earth Science	Cultural	Recreational	Other
Reconnaissance	Yes February, 2001	Yes February, 2001	Yes	Yes	
Detailed	No	No	No	No	W.
Requirement	No further requirement	No further requirement	No further requirement	No further requirement	

5. Values to be Protected

This section provides a description of the key natural heritage values on the site and their condition relative to past resource use and management activities. It also addresses the sensitivity of these values to future land use and management activities.

Cultural	None identified
Aboriginal	Trapping, traditional hunting and gathering
Tourism	No known tourism uses.
Recreational Fishing	No significant streams or lakes present within the conservation reserve, however Jackson Lake which shows significant use is immediately adjacent to the east boundary of the conservation reserve
Recreational Hunting	Some potential – access into the conservation reserve would be by foot only. However, water access is available along most of the eastern boundary. We observed hunters setting up camp near Jackson Lake in October 2000. Bear Management Area NG-19-097 contains the Conservation Reserve.
Mining	No active claims, staking or exploration in the conservation reserve. The area has been withdrawn from staking by means of a withdrawal order.
Aggregate	None observed on site.
Forest Harvest	Mature forest cover on the site is commercially merchantable.
Wild Rice	None observed on site
Trapping	Trapline NG85 contains the conservation reserve.
Wildlife	Habitat conditions exist for moose, bear and furbearers. Bedrock knolls and associated lichen could provide winter habitat for woodland caribou. The field crew observed evidence of moose presence during reconnaissance surveys.
Commercial Fisheries	None present. There is one baitfish block.

The intent of this Statement is to protect those values identified on site by establishing guidelines for existing and potential uses in this area, given the level of past disturbances and the nature of existing features.

Forest Values – The entire forest area is to be protected (including the Old Growth component) from human disturbance. The forest cover on this site is representative of the surrounding area and is predominately fire origin mature stands.

Recreational Values – The site offers few opportunities for heavy recreational use due to the lack of road or water access into the conservation reserve. Some potential exists for hunting and wildlife viewing.

Tourism Values – There is little evidence of traditional tourism use within the site. The site houses a population of moose, bear and grouse which could support tourism based hunting.

First Nation Values – There is little evidence of current use of this site for traditional hunting, gathering or cultural activities. MNR has no records that would indicate the levels of historical use for these activities.

6. Management Guidelines

The following topics briefly indicate the existing situation on Jackson Lake Conservation Reserve and the management guidelines to be implemented or continued.

6.1 Land Tenure

Jackson Lake Conservation Reserve consists entirely of Crown Land. The conservation reserve has been permanently withdrawn from any mineral exploration and from disposition by sale or Crown Lease or Land Use Permit. Land tenures of any type will not be considered within the conservation reserve boundaries.

6.2 Existing and Proposed Development

There are no existing facilities within the Conservation Reserve. New development that would disturb the forest or the forest understory vegetation will not be permitted. The area will be managed primarily for public nature appreciation, educational experiences and scientific study. Tourism will not be promoted for this area due to potential site degradation.

6.3 Recreational Activities

Low intensity, non-structural recreational activities that do not impact the health of the forest ecosystem (e.g. viewing, hiking, hunting, etc.) are permitted. ATV access and snowmobile usage will be closely monitored for possible damage to the trees and site regeneration component. If site degradation occurs these activities may have to be excluded from the area. Access by non-mechanized means is the preferred method.

6.4 Commercial Activities

The site forms a part of an active trapline. Trapping will continue as a permitted use. The site also falls within a Bear Management Area and a Bait Fish Harvest Licence Area. Both of these uses will be permitted with the condition that no new trails or other development are allowed without specific authorization.

No other commercial activities exist within the Conservation Reserve boundaries and no new ones will be permitted (i.e. mining, hydroelectric development, logging, aggregate extraction, road development, utility corridors, peat development and topsoil removal). Careful mineral exploration may occur in specific new Conservation Reserves proposed through Ontario's Living Legacy Land Use Strategy, in areas that have provincially significant mineral potential. If a portion of the new Conservation Reserve is to be developed for a mine, it would be removed from the reserve and appropriate replacement lands would be placed in regulation.

The area has been permanently removed from the operable area of the Lake Nipigon Forest Sustainable Forest Licence. The site has been withdrawn from areas available to mining exploration and extraction activities.

6.5 Aboriginal Interests

Lake Nipigon Ojibway First Nation indicated that a member of their community has a trapline in the Conservation Reserve They indicated that they are not concerned, as trapping will be permitted to continue. Nothing in this Statement of Conservation Interest affects in any way existing or future aboriginal or treaty rights. These rights will continue to be respected.

6.6 Natural Resources Stewardship

6.6.1 Vegetation Management

The area will be managed in accordance with relevant existing policies. Natural ecosystem processes and features will, for the most part, be allowed to occur with minimal human interference. However, intensive fire management and protection will continue to be carried out on this site unless an alternative direction for the control of fire is approved through a more detailed local natural resource plan or management plan.

6.6.2 Fish and Wildlife Management

Fishery and wildlife will continue to be managed in accordance with existing policies and regulations. Opportunities for wildlife viewing will be encouraged.

6.6.3 Landforms

No management requirements except continued protection

6.7 Cultural Resource Stewardship

No requirements at this time based on existing information. The Ministry of Natural Resources will continue to work with the Ministry of Citizenship, Culture and Recreation's regional chief archaeologist in identifying archaeological sites which should be further protected.

6.8 Client Services

Nipigon District and the Information Management Team staff will be the primary contact for responding to inquiries about the basic level of information such as access, nature appreciation, scientific study requests, wildlife viewing opportunities, hunting, permitted uses and boundaries.

6.9 Research

Non-destructive scientific research by qualified/recognized Canadian institutions or organizations that will contribute to the Ministry of Natural Resources natural heritage information base will be encouraged. All research programs will require the approval of the Ministry of Natural Resources and will be subject to ministry policy and other relevant legislation.

6.10 Marketing

No requirements at this time.

7. Implementation

Implementation of this Statement of Conservation Interest will primarily involve monitoring activities to ensure adherence to management guidelines. Other activities will involve producing a fact sheet highlighting the importance of the reserve and responding to inquiries about the site. Any affected clients will be immediately notified of any amendments to this Statement of Conservation Interest.

The Jackson Lake Conservation Reserve has been regulated in June, 2000 under the Public Lands Act, following the process set out in the Ontario's Living Legacy Protected Areas Regulation Implementation Manual (MNR, 2000).

8. Review and Revisions

Any changes that may occur to the management direction outlined in this Statement of Conservation Interest for Jackson Lake will be evaluated for their significance. Minor changes which do not alter the overall protection objectives, may be considered and approved by the Area Supervisor. Local consultation may also be required, as determined by the Area Supervisor. In the case of major changes, the need for a more comprehensive Conservation Reserve Management Plan will be considered first along with any legislative notification requirements (such as the Environmental Bill of Rights Registry notification) that may exist at that particular time. Any major amendments will require full public consultation and the approval of the District Manager and Regional Director.

9. Public Consultation

9.1 Results of Past Consultation

Jackson Lake has been a part of the consultation process from early in the land use planning process:

- Lands for Life round table consultation (June 1997 to July 1998)
- Ontario Forest Accord (1999)
- Ontario's Living Legacy round table discussions (1999)
- OLL Site Regulation Public Consultation Process (Fall 1999 to Early 2000)

Under the Ontario's Living Legacy Land Use Strategy, contact was made with stakeholders. District Manager letters were sent to First Nations, forest industry, trappers, municipalities, landowners, prospectors, fish and game clubs, trail clubs and tourist operators in November 1999. Newspaper advertisements were distributed during this time. Two written comments were received regarding Jackson Lake Conservation Reserve (See Appendix). Lake Nipigon Ojibway First Nation representatives indicated that a community member has a trapline within the reserve. Concerns that arose with respect to the establishment of the conservation reserve were addressed accordingly.

9.2 Present and Future Consultation

Further widespread consultation is not deemed necessary at this time because of the extensive consultation that has occurred to date.

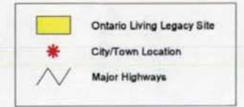
10. References

Ministry of Natural Resources, <u>Ontario's Living Legacy Land Use Strategy</u>, Queen's Printer for Ontario, Ontario Canada, 1999

Ministry of Natural Resources, <u>Protected Areas Regulation Implementation Manual</u>, Internal Document, 2000 Appendix 1

Key Map

Reference Map: C2231
Jackson Lake
Conservation Reserve



Data Source: Nipigon NRVIS Database, 2000

Datum: UTM, Zone 16, NAD 83

Units: Meters

Scale 1:1,142,404

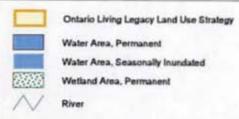




Appendix 2

Map of Jackson Lake Conservation Reserve

Ontario Living Legacy Jackson Lake Conservation Reserve C2231

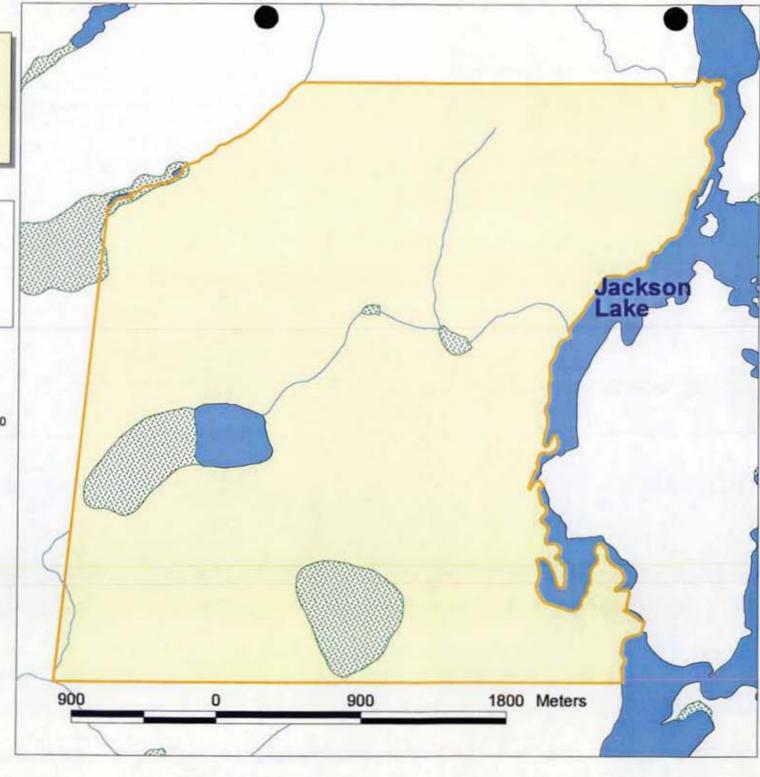


Scale 1:23,674

Data Source: Nipigon NRVIS Database, 2000 Datum: UTM, Zone 16, NAD 83

Units: Meters

This map is illustrative only. Do not rely on it as being a precise indicator of routes, locations of features, nor as a guide to navigation.



Appendix 3

Photographs

Jackson Lake Conservation Reserve appears to be a fairly uniform site which is relatively flat, with shallow soil, exposed bedrock openings and is dominated by conifer species – including a significant amount of jack pine. There appears to be suitable winter habitat at this Conservation Reserve for woodland caribou – although there is no data as to whether it is used.





This photo shows a location that is located on the eastern boundary of the Jackson Lake Conservation Reserve. The interesting feature here is that the water flows from the top of the photo and into the waterbody at the bottom. There is a water flow through the trees, as if the stream had just decided to let trees grow in the channel. The water course does not appear to get any narrower than that shown at the top of the photo – it just flows through the roots of the trees. There was a boat cached on the shore of the upper waterbody.



Appendix 4

Earth Science Report

Map Name: Elbow Lake	NTS No. 42L04	UTM Reference:	5545000N 443000E	
OBM No. 164405540	Latitude: 50° 03'	Longitude: 87° 56'	Elevation (Max) 350m	Elevation (Min) 300m
County: NA	Township: NA			Location Ma
Concession/Lot NA		Murray Logan	THE LAND	
Area: 1,166 ha	Ownership: Crown			Total Line of the last
Air Photos: 95 - A - 5002 42 - 46, 4 95 - A - 5003 42 - 82, 8 MNR Region: Northwest		Gellde	Murchison Humbolds Ray	J. Manual Control of the Control of
Park Zone: Northwest		Rehm		
Survey Type: Reconnais	sance	N t p i g a (Line Ntpigor Strakespeare L.)	(1 Flatland Lake	relicoe

Earth Science Features

The Jackson Lake Conservation Reserve (C2231) is situated 75 km northwest of Geraldton, Ontario. It is a relatively small area (1,166 ha) with local relief of less than 20 - 35 m. Jackson Lake is part of a chain of lakes running in a north-south pattern. From north to south, the following lakes occur; Elbow Lake, Jackson Lake, Todd Lake and Ledingham Lake. With the exception of the extreme southeast corner of the Conservation Reserve, Jackson Lake forms the eastern boundary of the Conservation Reserve; Gzowski Creek and Todd Lake occur in the southeast corner. Onoman River that drains into Humboldt Bay of Lake Nipigon drains Jackson Lake to the south. The area is comprised of weakly to moderately broken bedrock with thin, and often discontinuous till veneers. Fluvial lacustrine materials were noted, as well. Two large organic complexes occur in the southern and western portion of the reserve.

The Jackson Lake Conservation Reserve is found within the Wabigoon Subprovince of the Superior Structural Province (Card et. al. 1993; Ontario Geological Survey 1991a). The Superior Province is the largest Archean craton in the world and is characterized by easterly trending belts of Archean supracrustal volcanic and sedimentary rocks separated by large areas of granitic rocks (Thurston 1992b; Davidson 1981). The Wabigoon Subprovince is 900 km long, east-trending a granite-greenstone subprovince composed of metavolcanic and subordinate metasedimentary rocks which are surrounded and cut by granitoid batholiths, gabbroic sills and stocks. The Wabigoon Subprovince is divided into three parts based on geographic distribution of lithological associations. The Jackson Lake area occurs in the Eastern Wabigoon Region, an area underlain by supracrustal rocks and lobate intravolcanic granitoid batholiths (Blackburn et. al., 1992, Ontario Geological Survey 1991a).

Pye et. al., (1966) provides the most detailed (1:253 440) bedrock geology map of the Seahorse Lake Conservation Reserve. He suggests that two distinct types underlie the area, with a line running from the northeast corner in a

south-westerly direction to the southwest corner. To the east of this line, basic and intermediate metavolcanics consists of greenstone, basalt, pillow lava, metadiabase, andesite, dacite, amphibolite, chlorite, schist, hornblende schist, tuff and agglomerate. To the west of this line acid igneous and metamorphic rocks occur, including granite, gneiss, and granodiorite. This mapping is in agreement with more detailed mapping (1:31 680) conducted by Thurston (1978, 1980) to the immediate east, Amukun (1977) to the north and by Card et. al., (1989).

Both Barnett (1992) and Prest (1968) suggests that the Jackson Lake area was overlain with Labrador Sector Laurentide ice until ~ 9 ka BP (early Holocene). Prest (1968) provides a more detailed glacial history of the area with the ice front being stationed over the area around 10.3 ka BP and re-advancing in a south-westerly direction around 10 ka BP (initiation of Holocene; and corresponding with Davidson's (1981) Algonquin Stadial). Around 9.5 ka BP, the ice front retreated across the area with glacial Lake Kelvin covering lands to the immediate west in the vicinity of Humboldt Bay (this corresponds to Davidson's (1991) Timiscaming Interstadial). Around 9 ka BP, the ice front had retreated further to the northeast in the vicinity of O'Sullivan Lakes. Glacial Lake Nokina formed along this ice margin. Zoltai (1965) implies that the bedrock in the area has been eroded by lake-action, thereby giving speculation that glacial Lake Kelvin may have extended to the Jackson Lake area.

Table 1 provides a comparison of materials identified in the gap analysis versus materials identified during the reconnaissance field inventory and subsequent air photo interpretation exercise.

Landform	Types	Landform Types	Landform Types Found During	
Parent Material	Surface Expression	Identified by Gap Analysis	Reconnaissance Inventory and Mapping	
	Weakly broken	AND NOTE TO BE USE		
Ground Moraine	Moderately broken			
	Strongly broken			
	Weakly broken		A STATE OF THE	
Bedrock	Moderately broken	THE SHE WAS LOND		
	Strongly broken			
Annual Control	Weakly broken			
End Moraine	Moderately broken			
	Strongly broken			
	Weakly broken			
Outwash Deposits	Moderately broken			
Aller and the second	Strongly broken			
Beach/Aeolian Deposits	Weakly broken			
Lacustrine Deposits	N/A			
Esker	N/A			

Research by Zoltai (1965) suggests that the Jackson Lake Conservation Reserve consists mainly of bedrock which has been eroded by lake action and lesser amounts of silty to sandy till. This is supported by Cooper (1981), and Barnett et. al. (1991). Field work undertaken by Geowest during early October, 2000 suggests that the area is comprised of mainly fluvial lacustrine deposits (unit 4b on accompanying surficial geology map) in low lying areas between weakly to moderately broken bedrock with thin, often discontinuous morainal (and perhaps fluvial lacustrine) veneers (units 7b and 7d). Two large wetland areas have been mapped (unit 8c)

The fluvial lacustrine sediments occurring in low-lying topography are highly variable in texture. Loamy sands are dominant with sandy clay loams at the surface and pockets of gravely sand intermixed throughout the soil matrix. The coarse fragment content varies from stone free to 20 % subrounded and rounded gravels. These deposits are moderately well to well drained. In exploration work, Mason et. al. (1980) found these sediments to be between 1 – 2 m in thickness.

Weakly to moderately broken bedrock knobs are scattered throughout the Conservation Reserve. Local relief within these units is generally less than 35 m. Slopes vary from 0-5% on weakly broken topography to 15-30% on more rugged moderately broken topography. For the most part, these knobs are overlain with a very thin, most likely loamy sand morainal veneer. It is anticipated that in the more subdued topography, the bedrock is overlain with discontinuous fluvial lacustrine sediments. Drainage in these areas is well to rapidly drained.

Two major wetlands occur within the Conservation Reserve. These organics tend to be well developed and are most likely greater than 100 cm in depth. Drainage in these areas is poor to very poor.

Field Survey

The Jackson Lake Conservation Reserve was inventoried on October 6, 2000. Only one (1) site was established in the area. Access was provided by helicopter. A surficial geologist (Dennis O'Leary), a vegetation ecologist (Jerry Bentz), and a wildlife biologist (Amit Saxena) completed the reconnaissance inventory. All three individuals are from Geowest Environmental Consultants Ltd. An accompanying life science checklist has been completed for the Jackson Lake Conservation Reserve.

Mapping

A reconnaissance surficial geology map has been prepared for the Jackson Lake Conservation Reserve at 1:20 000 to accompany this checklist. The mapping legend follows Zoltai's (1965a) classification scheme, however it has been modified somewhat to account for additional parent materials and topographic considerations.

Sensitivity

The Jackson Lake Conservation Reserve can only be accessed by helicopter. No roads or trails exist into the area; however, numerous trails do exist to the east of Jackson Lake. With the exception of the wetlands, the area is not considered to be overly sensitive to disturbances as weakly to moderately broken bedrock and thick, well drained fluvial lacustrine sediments dominates the landscape. The organics are highly sensitive to disturbances and should be avoided.

Significance

The Jackson Lake Conservation Reserve has been designated as regionally significant as it provides representative examples of weak to moderately broken bedrock, fluvial lacustrine sediments and thick organic accumulations typical of the Wabigoon Subprovince.

Recommendations

The Jackson Lake Conservation Reserve should be protected as a Conservation Reserve as it provides representative examples of weak to moderately broken bedrock, fluvial lacustrine sediments and thick organic accumulations typical of the Wabigoon Subprovince of the Superior Structural Province. The fluvial lacustrine sediments may represent the eastern extent of glacial Lake Kelvin (as suggested by Prest 1968). These sediments are from the early Holocene Timiscaming Interstadial (~9.5 ka BP). Because of its isolation, the area can be easily protected from future disturbances.

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Date Compiled:

November 30, 2000

Compiler:

Dennis O'Leary, B.A.,

Surficial Geologist, Geowest Environmental Consultants Ltd.

List of Plates:

Plate 1.

Fluvial lacustrine organic complex.

Plate 2.

Thick fluvial lacustrine sediments.

Field Notes:

Site:

Jackson Lake (C2231)

Plot No.

Date:

October 6, 2000

UTM Co-ordinates:

5545015N and 443030E

Picture No.

Disk 7, picture 14 Surveyor:

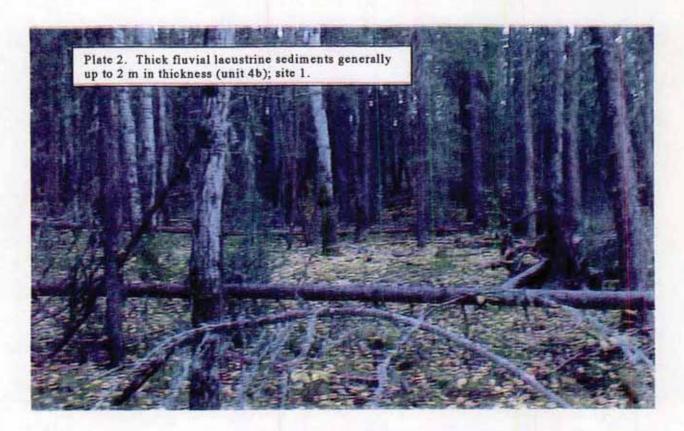
Dennis O'Leary, Geowest Environmental Consultants Ltd.

Notes:

Fluvial-lacustrine sediments, gently undulating topography with slopes to 9 %; materials highly variable loamy sand textures dominate, with sandy clay loams (~ 10 cm thick) to gravely sand (at bottom) pockets in matrix, coarse fragment content varies from 0 - 20 % subrounded and rounded gravels; depth to basalt > 70 cm; mesic; moderately well to well drained; basalt exposed in uplands (see photo); site accessed by helicopter, site representative of area; beaver disturbances.

Plate 1. Fluvial lacustrine organic complex (unit 8b) along small stream channel north of Site 1. Note beaver lodge along stream channel.





Key Words / Glossary

Archean A term, meaning ancient, which has been applied to the oldest rocks of the Precambrian; as more

physical measurements of geological time are made, the usage is changing, the term Early

Precambrian is preferred.

Batholiths A body of igneous rock, 100 square kilometres or more in area, emplaced at great or intermediate

depth in the earth's crust.

Craton A large, relatively immobile portion of continents consisting of both shield and platform areas.

Fluvial Pertaining to or produced by the action of a stream or river.

Glaciation Alteration of any part of the earth's surface by passage of a glacier, chiefly by glacial erosion or

deposition.

Greenstone belts Oceanic and island arclike sequences.

Ground moraine Rock material carried and deposited in the base of a glacier, also known as bottom moraine,

subglacial moraine.

Holocene An epoch of the Quaternary Period from the end of the Pleistocene, around 10,000 years ago, to the

present; also known as post-glacial; recent.

Ka BP Thousand years before present

Lacustrine Belonging to or produced by a lake; sediments that are deposited in a lake.

Landform All the physical, recognizable, naturally formed features of land, having a characteristic shape;

includes major forms such as a plain, mountain, or plateau, and minor forms such as hill, valley, or

alluvial fan.

Lobe A curved projection on the margin of a continental ice sheet.

Metamorphic rock The earth's crust as well as being intruded by magma, is from time to time subjected to huge

stresses which are sufficiently great to cause it to break to form faults, and also to bend forming folds; these forces are generally concentrated near to subduction zones; at these destructive plate margins, the rocks that form the plates are compressed, folded and heated; the result is a broad, linear zone of rocks which are altered, to varying degrees, by the high temperatures and pressures.

Metasediment A sediment or sedimentary rock which shows evidence of metamorphism.

Moderately broken Area of long moderate slopes, or of short steep slopes; differences in relative elevation less than 60

m; one third of area has stronger or weaker relief.

Moraine An accumulation of glacial drift deposited chiefly by direct glacial action and possessing initial

constructional form independent of the floor beneath it.

Organic soil Any soil or soil horizon consisting chiefly of, or containing at least 30 % of organic matter,

examples are peat soils and muck soils; results from the activity of organisms such as the secretion

of skeletal matter.

Parent material The unconsolidated mineral or organic material from which the true soil develops.

Pillow lava Any lava characterized by pillow structure and presumed to have formed in a subaqueous

environment (underwater).

Relief The configuration of part of the earth's surface, with reference to altitude and slope variations and

to irregularities of the land surface.

Sedimentary rocks A rock formed in the sea, river, lakes, glacial deposits, etc.; processes, which are active at the

earth's surface, form sedimentary rocks.

Sill A tabular igneous intrusion that is oriented parallel to the planar structure of surrounding rock.

Stocks Also known as a pipe or chimney, a vertical, cylindrical ore body, a vertical conduit through the

crust of the earth below a volcano, through which magmatic materials have passed.

Strongly broken Area of long moderately steep slopes, or of short steep escarpments; differences in relative

elevations greater than 60 m; less than one third of area has weaker relief.

Till Unsorted and unstratified drift consisting of a heterogeneous mixture of clay, sand, gravel, and

boulders which is deposited by and underneath a glacier.

Veneers Thickness of deposit generally less than 100 cm and landform takes general shape of underlying

bedrock.

Volcanic rock Finely crystalline or glassy igneous rock resulting from volcanic activity at or near the surface of

the earth; also known as extrusive rock.

Weakly broken Area of gentle slopes, generally below 5 %; difference in relative elevation generally less than 15

m; less than a third of the area has stronger or weaker relief.

Wisconsinan A period between 115,000 years before present and 10,000 years before present; preceding the

Holocene; divided into three stages, including Early Wisconsinan (115,000 - 60,000 years before present), Middle Wisconsinan (60,000 - 30,000 years before present) and Late Wisconsinan

(30,000 - 10,000 years before present).

Appendix 5

Life Science Report

Name Jackson Lake Conservation Reserve (C2231)		Map Name Elbow Lake		Map Number 42L04		UTM Ref. 5545000N 443000E
County	N/A	Lat. 50° 03'	Long. 87° 56'	NAD 27	Min. Alt 300 m	Max. Alt. 350 m
Locality	Geraldton	Murray	Logan)	Victor III	Auden	
Township	N/A	0				and the on
Area	1,166 ha	Gelle	Murc	hison Hu	nboldt Bau	New Property
Ownership		SECTION AND DESCRIPTION OF	A STATE OF THE PARTY OF THE PAR	THE RESERVE OF THE PARTY OF THE		
Ownership	Crown	# 30 g	lake o	45	1	31
Extendioally Cally	Crown Ecoregion and Ecodistrict 3W-3	Kentri	Laker	Enst S	North	到
MNR Region Northwest Landform Uni	Ecoregion and Ecodistrict 3W-3	NI	nigan	Bay -	North	
MNR Region Northwest Landform Uni Weakly	Ecoregion and Ecodistrict 3W-3 t (s)	N I)		Bay -	North	Jellicoe
MNR Region Northwest Landform Uni Weakly t MNR District Aerial Photog	Ecoregion and Ecodistrict 3W - 3 t (s) o Moderately Broken Bedrock Nipigon	N I)	niyon Nipinan) (Bay -	North	

Physical and Biological Features

Representation

The Jackson Lake Conservation Reserve (C2231) is located approximately 75 km northwest of the Town of Geraldton, Ontario. The site is relatively small in size (1166 ha), with Jackson Lake forming the eastern boundary. Jackson Lake is one of a chain of lakes running in a north—south direction. The lakes in the complex include Elbow Lake, Jackson Lake, Todd Lake and Ledingham Lake. The lake complex is drained by the Onaman River, which drains into Humboldt Bay of Lake Nipigon.

The area is comprised of a diversity of upland forest and wetland vegetation types on a variety of landforms. Forested communities occur on upland terrain throughout the site, including significant areas with weakly to moderately broken bedrock overlain by thin (often discontinuous) morainal materials, as well as areas dominated by somewhat thicker fluvial lacustrine deposits on subdued, low relief terrain. Bedrock knobs and ridges occur to a limited extent, especially in the eastern portion of the Conservation Reserve. Depressional sites have accumulations of organic materials of variable thickness.

Small stands and patches of deciduous-dominated mixedwood forest occur on upland, well drained sites scattered throughout the Conservation Reserve. Either trembling aspen or white birch typically dominates Forest stands. Trembling aspen mixedwood stands (Vegetation Type V9 – Trembling Aspen Mixedwood; see Sims et al. 1997) generally have a variable component of associated tree species such as white birch, white and black spruce, balsam fir and jack pine. The understory is generally shrub and herb rich, comprised of species such as Diervilla lonicera, Alnus crispa, Vaccinium myrtilloides, Cornus canadensis, Aster macrophyllus, Linnaea borealis, Rubus pubescens, Lycopodium spp. and Clintonia borealis. Moss cover is generally low with occasional patches of feathermosses such as Pleurozium schreberi and Ptilium crista-castrensis.

Small areas of white birch dominated mixedwood stands (Vegetation Type V4 – White Birch Hardwood and Mixedwood) also occur to a very limited extent in the Conservation Reserve. Canopy associates are white and black spruce and balsam fir. The understory cover is variable but is often dominated by species such as Alnus crispa, Vaccinium spp., Diervilla lonicera, Cornus canadensis, Lycopodium spp., Clintonia borealis and Aster macrophyllus

Extensive subdued, low-lying terrain with discontinuous morainal or fluvial lacustrine deposits typically supports coniferous forest stands dominated by either black spruce or jack pine. Sites with well to moderately well drained soils tend to support forest stands dominated by jack pine, with lesser amounts of black spruce and occasional balsam fir, trembling aspen or white birch (Vegetation Type V32 – Jack Pine – Black Spruce/ Ericaceous Shrub/ Feathermoss). The moderately diverse shrub and herb layers commonly have species such as Vaccinium myrtilloides, Ledum groenlandicum, Alnus crispa, Gaultheria hispidula, Cornus canadensis, Linnaea borealis, Lycopodium spp., Aster macrophyllus and Clintonia borealis. A mostly continuous feathermoss mat generally covers the forest floor. Occasional bedrock knolls typically have an abundant cover of various reindeer lichen (Cladina) species.

Stands dominated by black spruce tend to occur on upland sites with moderately well to imperfectly drained soils, and generally have a lesser component of jack pine with occasional occurrences of balsam fir, white birch and aspen (Vegetation Type V31 – Black Spruce - Jack Pine / Tall Shrub / Feathermoss). The understory is generally sparse and dominated by ericaceous shrub species and herbs such as *Cornus canadensis* and *Lycopodium* spp. Ground cover generally consists of an extensive feathermoss carpet.

Poorly drained depressional or lowland sites with thin organic veneers overlying morainal or lacustrine deposits are generally dominated by black spruce with occasional occurrences of balsam fir and tamarack (Vegetation Type V34 – Black Spruce/ Labrador Tea/ Feathermoss (Sphagnum)). Ericaceous species typically dominate the understory with a prevalence of Ledum groenlandicum, Vaccinium myrtilloides, and Gaultheria hispidula. Common herbaceous species, with generally lower cover, include Cornus canadensis, Lycopodium spp., Coptis trifolia, Linnaea borealis and Carex spp. The forest floor is primarily covered by a continuous mat of feathermoss with patches, often extensive, of Sphagnum spp.

Open wetland communities (Poor Fens) occur in poorly to very poorly drained depressional sites with thick organic deposits. Species composition is variable but common tree species include scattered, stunted black spruce and tamarack and occasional white birch, as well as species such as Chamaedaphne calyculata, Kalmia polifolia, Andromeda glaucophylla, Ledum groenlandicum, Carex spp., Equisetum spp., Eriophorum spp. and Sphagnum spp.

Table 1 on the following page provides a comparison of landform vegetation types identified in the gap analysis versus what was found during the reconnaissance field inventory program and through reviewing the forest cover maps and air photographs.

Condition

The Conservation Reserve is generally undisturbed, with no road or trail access. No forest harvesting has occurred within the Conservation reserve; however, extensive logging and access road development is evident immediately to the east of Jackson Lake.

		TABLE	. LANDFOR	M/VEGET.						
		Vegetation Types								
Landform Types			Deciduous	Conifer		Sparse	Treed	Open	Vegetated	
Parent Material	Surface Expression	Deciduous	Mixed	Mixed	Conifer	Forest	Wetland	Wetland	Bedrock	Burn
	Weakly broken									
Ground Moraine	Moderately broken									
A Charles Developed A	Strongly broken									
	Weakly broken		1	1	1	MEL SO				
Bedrock	Moderately broken		1	1	1	1			1	
	Strongly broken									
	Weakly broken									
End Moraine	Moderately broken							1000		
474774171777777777	Strongly broken									
	Weakly broken									
Outwash Deposits	Moderately broken									
- Exercise State of the Control of t	Strongly broken									
Beach/Aeolian Deposits	Weakly broken									
Lacustrine Deposits	N/A			1	1		/	1		
Esker	N/A			35000				a-10		

	Gap Analysis suggests that particular Landform/Vegetation (LV) type occurs within study area.	
1	Indicates that LV type found within study area during reconnaissance survey.	

Diversity

A variety of landform/vegetation complexes occur within the Jackson Lake Conservation Reserve. Also present is a small water body and associated wetlands (see Table 1). Upland forests are comprised of a variety of deciduous, deciduous mixed, conifer and conifer mixed stands. Sparsely vegetated bedrock outcrops occur sporadically throughout the site. Landform types represented include weakly to moderately broken bedrock with thin, often discontinuous morainal veneers, pockets of thicker fluvial lacustrine materials, and organic deposits of variable thickness. Various wetland communities are represented, varying from semi-treed fens to marsh and open water marsh communities. Several small fluvial channels are also present.

Ecological Considerations

Vegetation cover within the site is characteristic of the surrounding area and is predominantly fire-origin, mature forest. Soil thickness and drainage tend to influence forest species composition, with coniferous-dominated stands being more prevalent on cooler aspects, poorer drained depressional areas and areas with extensive bedrock outcrops and thin soils. Patches of deciduous-dominated forest occur more commonly on warm aspects and upland sites with somewhat better soil drainage. Forest stands tend to be fairly mature throughout the site, with few younger age classes represented. The site tends to be relatively undisturbed with no evidence of recent timber harvesting.

The diversity of vegetation and forest cover types provide an equally diverse assemblage of wildlife habitats. Deciduous-dominated mixedwood stands provide excellent moose forage opportunities, while coniferous-dominated mixedwood and pure coniferous stands afford thermal habitats. The presence of ericaceous shrubs in the understory of mixedwood forest components also provides good habitat for black bear and smaller furbearers. The bedrock knolls and associated lichen-dominated ground cover provides good winter micro-habitat for woodland caribou, which are reaching the southern limit of their provincial range in the vicinity of Jackson Lake. OMNR records indicate that one registered trapline traverses the Jackson Lake Conservation Reserve, on which beaver, mink, marten, fisher, otter, and lynx were the reported catches.

The interspersion and juxtaposition of security, thermal, and foraging habitats for ungulates and furbearers is a key feature of this site. In addition, breeding bird diversity can be expected to be relatively high due to the diversity of habitats present.

Special Features

No evidence of vulnerable, threatened or endangered species, or "S" ranked species were encountered during the reconnaissance survey of the site, however OMNR records indicate use of the site by woodland caribou.

Field Survey

The Jackson Lake Conservation Reserve was inventoried on October 6, 2000. Only one ground site was surveyed in the area (via helicopter access). A surficial geologist, a vegetation ecologist and a wildlife biologist completed the reconnaissance inventory. An Earth Science Checklist has also been prepared for the Jackson Lake Conservation Reserve.

Major Information Sources

Baldwin, K. A. and R. A. Sims. 1997. Field guide to the common forest plants in northwestern Ontario. Ont. Min. Natur. Resour., Northwest Sci. & Technol. Thunder Bay, Ont. Field Guide FG-04. 359 pp.

- Harris, A.G., S.C. McMurray, P.W.C. Uhlig, J.K. Jeglum, R.F. Foster and G.D. Racey. 1996. Field guide to the wetland ecosystem classification for northwestern Ontario. Ont. Min. Natur. Resour., Northwest Sci. & Technol. Thunder Bay, Ont. Field Guide FG-01. 74 pp. + Append.
- Noble, T.W. 1979. Life Science report, Phase II, Site Region 3W, North Central Region. Ontario Ministry of Natural Resources.
- Sims, R.A., W.D. Towill, K.A. Baldwin, P. Uhlig and G.M. Wickware. 1997. Field guide to the forested ecosystem classification for northwestern Ontario. Ont. Min. Natur. Resour., Northwest Sci. & Technol. Thunder Bay, Ont. Field Guide FG-03. 176 pp.

Field Reconnaissance, October 2000.

Ontario Ministry of Natural Resources trapline information for 1999.

Significance Level (Provincial/Regional/Local) and Brief Summary of Major Representative Values

Regionally Significant: The site provides a good example of mature coniferous and mixedwood forest on weakly

to moderately broken bedrock overlain by thin (and often discontinuous) morainal

materials. It is representative of upland areas within Site District 3W - 3.

Date Compiled December 6, 2000 Compiler (s)

J. Bentz, A. Saxena, D. O'Leary

Geowest Environmental Consultants Ltd.



Plate 1. Marsh wetland complex created by beaver activity along small fluvial channel. Note presence of beaver lodge.



Plate 2. Typical coniferous forest stand on upland terrain; Vegetation Type V32 – Jack Pine – Black Spruce / Ericaceous Shrub / Feathermoss.



Plate 3. Typical vegetation cover of the Jackson Lake Conservation Reserve.



Plate 4. Forest cover comprised of a mixture of deciduous dominated mixedwood and coniferous stands on well drained upland terrain.

Jackson Lake Conservation Reserve (C2231) - Species List1

TREES

Scientific Name

Abies balsamea
Betula papyrifera
Larix laricina
Picea glauca
Picea mariana
Pinus banksiana
Populus tremuloides

Common Name

balsam fir white birch tamarack white spruce black spruce jack pine trembling aspen

SHRUBS

Scientific Name

Alnus crispa
Amelanchier spp.
Chamaedaphne calyculata
Diervilla lonicera
Gaultheria hispidula
Kalmia polifolia
Ledum groenlandicum
Linnaea borealis
Salix spp.
Vaccinium myrtilloides
Viburnum edule

Common Name

green alder serviceberry leather leaf bush honeysuckle creeping snowberry bog laurel Labrador tea twinflower willow velvet leaf blueberry squashberry

HERBS

Scientific Name

Aster macrophyllus Clintonia borealis Cornus canadensis Petasites palmatus

Common Name

large-leaved aster blue bead lily bunch berry sweet coltsfoot

GRAMINOIDS

Scientific Name

Calamagrostis canadensis Carex spp.

Common Name

blue-joint grass sedge

FERNS AND FERN-ALLIES

Scientific Name

Common Name

Lycopodium annotinum Lycopodium obscurum stiff clubmoss ground pine

BRYOPHYTES AND LICHENS

Scientific Name

Common Name

Cladina spp.
Dicranum spp.
Hylocomium splendens
Pleurozium schreberi
Ptilium crista-castrensis

reindeer lichen broom mosses stair-step moss Schreber's moss plume moss

Sphagnum spp.

Partial plant species list based on reconnaissance field survey conducted on October 6, 2000. One field plot was surveyed in the study area.

Substrate & Temp	Moisture Regime	Arid	Very Dry	Dry	Dry Mesic	Mesic	Wet Mesic	Wet	Very Wet	Saturated	Open Water
Colder	Rock										
	Sand										
	Loam							D	E		
	Clay										
	Organic		in the								
	Rock				C						
- a	Sand										
Normal	Loam				A	A,B	в,с	C,D	E		
-	Clay										
	Organic								F	F,G	G,H
	Rock		C								
-e	Sand										
Warmer	Loam			A	В						
5	Clay										
	Organic										
Commun	ty Types										
Α	White Birch Hardwood and Mixedwood (V4)										
В	Trembling Aspen Mixedwood (V9)										
С	Jack Pine - Black Spruce / Ericaceous Shrub / Feathermoss (V32)										
D	Black Spruce - Jack Pine / Tall Shrub / Feathermoss (V31)										
E	Black Spruce / Labrador Tea / Feathermoss (Sphagnum) (V34)										
F	Poor Fen										
G	Marsh										
н	Open Water Marsh										

Appendix 6

Permitted Uses Table

Jackson Lake Conservation Reserve - Permitted Uses

Activity / Value	Permitted	Not Permitted	Modified	District Manager Approval	
Sport Hunting	~				
Commercial Trapping	~				
Boating/Canoeing/Kayaking	~				
Baitfishing	~				
Commercial Wild Rice Harvest	N/A				
Mineral Exploration & Extraction			~		
Land Disposition for Private Purposes		~			
All Terrain Vehicle	CP TAN		~		
Snowmobile			~	/	
Land Claims				~	
Traditional Use					
Native Hunt Camps			4	~	
Commercial Tourism Based Hunting	~				
Native Hunting	~				
Commercial Native Trapping	~				
Wildlife Management	~				
Commercial Forest Operations		-			
Vegetation Management (ie. herbicides)		-			
Timber Harvest for Personal Use		-			
Fuelwood Harvest		-			
Insect & Disease Suppression				-	
Sport Fishing	~				
Commercial Fishing	N/A				
Native Fishing	~				
Water Control Structures		~			
Aggregate Extraction		-			
Bear Management Areas	~				
Trapline Cabins				-	
Wild Rice Harvest	N/A				
Boat Caches	10.0			-	
Fire Management	-				
Archeological Study	~				
Backcountry Travel	-				
Wildlife / Vegetation Viewing	V				
Photography		-			
Hiking	~				
Rock Climbing			~		
Mountain Biking			~		
Nordic Skiing	· ·				
Snowshoeing	~				
Aircraft			~		
Roads / Bridges / Culverts		V			
Ongoing Research	· ·				
New Research					

Definitions: Modified – Use may be permitted under certain circumstances where the use would not impact the values for which the Conservation Reserve was created to protect. (e.g. new trails, clearings/docks for aircraft access)

Appendix 7

Recreation Checklist

OLL Recreational Inventory

Employee Name Dave Barker Date October 4, 2000

Name Jackson Lake Conservation Reserve Local Name C2231

District of Thunder Bay Township N/A

PART 1 – Basic Recreation Opportunities

Backcountry camping No Estimated # Tents/Parties Seen - None

Comments/Details - Potential is limited due to lack of lakes or

streams within the Conservation Reserve

No Estimated # Canoes Seen - None Canoeing

Comments/Details - Potential is limited due to lack of lakes or

streams within the Conservation Reserve.

Yes Estimated # Hikers Seen - None Hiking

Comments/Details - Saw no evidence that hiking has occurred

within the Conservation Reserve

Hunting Yes Estimated # Hunters Seen - None

> Comments/Details - Hunters were observed immediately to the east of the Conservation Reserve, however no evidence of hunting

within the CR was seen

Fishing - recreational No Estimated # Fishing Boats Seen - None

> Comments/Details - There is evidence (boat cache) that fishing occurs in the lakes on the east boundary of the Conservation Reserve, however there is little potential within the CR

Lakes % of Lakes Seen - 100%

Comments/Details - very few and very small ponds exist within

the CR

No Swimming opportunities

Comments/Details - for practical purposes, swimming

opportunities do not exist within the Conservation Reserve

Beaches No # Beaches Seen - None Present

Comments/Details

Rapids/waterfalls	No # Rapids/waterfalls Seen - None			
	Comments/Details - No streams of significant flow present			
Other recreational/sceni	ic features:			
Wildlife Viewing	Yes #Seen - None			
	Comments/Details - Potential exists, but no indication of this use was observed.			
	Y N # Seen			
	Comments/Details			
	Y N # Seen			
	Comments/Details			

Summary of Area Description and Land Use Intent provided in Appendix A of the Land Use Strategy, July 1999, with specific reference to recreation uses and features: This site contains representative landform and vegetation types, including mixed and sparse forests on weakly broken ground moraine and bedrock and on open wetlands.

Additional Comments: The primary purpose of this Conservation Reserve is to provide protection & representation. Recreation is not a primary purpose.

Recommendations: The creation of new trails or other forms of access is not anticipated at this time. None were observed within the Conservation Reserve. Existing roads and trails in adjacent area currently provide recreational opportunities in similar terrain.

PART 2 - Human Influences

Comments/Details- No sites were observed within the Conservation Reserve, however some sites exist in nearby					
ition					
tion					
ation					
side of					
the					
CR.					
ne side of					
side of					

Hunt camp	No # Camps - None Comments/Details
Trapping	Yes #Trappers - One #Trap lines - One Comments/Details - NG-85 is a native trapline. No obvious signs of trapping activity observed within the Conservation Reserve. Records indicate that the trapper has been active in recent years, however we do not know if traps are set within the CP.
	however we do not know if traps are set within the CR.
Trapper cabins	No # Cabins - None Comments/Details
Resort/lodge in park	No # Buildings
	Type of clientele Comments/Details
Resort/lodge adjacent to park	No # Buildings Type of clientele Comments/Details
Outpost camp in park	No # Buildings Type of clientele Comments/Details
Outpost camp adjacent to part	k No #Buildings Type of clientele
	Comments/Details
Historic sites/structures	No Comments/Details
Mining	No

	Comments/Details
Mining adjacent to park	No Comments/Details
Current mining exploration	No Comments/Details
Evidence of past exploration	No Comments/Details
Inholdings	No # Inholdings Comments/Details
Transmission lines	No #Lines Comments/Details
Rights-of-way	No #Rights-of-way Comments/Details
Towers	No #Towers Comments/Details (Type of tower)
Wild Rice Harvesting	No # Harvest Areas # Harvesters Comments/Details - No wild rice observed.
Water impoundments	No #Impoundments Comments/Details

Roads	No # Roads Comments/Details (Type of road) – All roads present are outside of the Conservation Reserve.
Other human-made structures	
	No #- None observed Comments/Details
	Y N # Comments/Details

Additional Comments: <u>Jackson Lake Conservation Reserve</u> is unlikely to be subject to significant recreational or development pressures in the foreseeable future.

Recommendations: No action is required at this time.

Map

ATTACHED

Appendix 8

Public and Aboriginal Consultation Documentation Form

ONTARIO'S LIVING LEGACY

Public and Aboriginal Consultation Documentation Form Ontario's Living Legacy Protected Area Boundary Refinement Review

1. Site Name and Proposed Size (ha):

Jackson Lake Conservation Reserve - 1,166 ha

2. Land Use Strategy Area #: C2231 3. MNR District:

Nipigon

4.0 Public and Aboriginal Consultation

4.1 Public Consultation

Details of Public Consultation:

- District Manager letter to stakeholders sent Nov 12/99 to 310 stakeholders including First Nations, forest industry, trappers, municipalities, land owners, prospectors, fish & game clubs, trail clubs, tourist operators
- Newspaper ads Thunder Bay Chronicle Journal, Geraldton Times Star, Marathon Mercury, Nipigon Gazette and Terrace Bay-Schreiber News
- Two written comments were received regarding Jackson Lake

Summary of Significant Issues:

- It was suggested by one commentator that the boundary be extended to the far east side of both Jackson and Todd Lakes to capture the two separate channels that drain from Jackson Lake into Todd Lake.
- MNDM commented that a portion of Jackson Lake site covers an area of high mineral potential and feel it should be excluded from the CR

Analysis of Issues:

 This site was identified for protection based on landform and vegetation features located west of Jackson Lake not because of significant features

- on Jackson and Todd Lakes.
- The Land Use Strategy has policy dealing with high mineral potential in conservation reserves. Controlled mineral exploration is permitted in areas with provincially-significant mineral potential.

4.2 Aboriginal Consultation

Details of Aboriginal Consultation:

- District Manager letters were sent to 7 local First Nations on November 12, 1999
- Meetings were held with Lake Nipigon Ojibway, Aroland, Pays Plat, Rocky Bay and Red Rock First Nations to discuss OLL and the eight sites proposed for regulation.
- Sand Point and Ojibways of the Pic River First Nations were contacted and invited to meet but have either declined or not responded. Repeated efforts have been made to meet with these communities without success.

Summary of Significant Issues:

- No significant issues relating to Jackson Lake were identified by the First Nations
- Lake Nipigon Ojibway First Nation indicated that they do have a trapline here but are not concerned as trapping will be permitted to continue.

Analysis of Issues:

N/A

5.0 Recommendations:

Boundary:

 Recommend that boundary not be changed. The reasons identified by the commentators do not justify a boundary change.

Future Planning:

 Ensure First Nation values are considered in the development of the statement of conservation interest

Other:

None

6.0 Approval of Consultation Documentation

MNR District Contact Person:	Ontario Parks Contact Person:
Peggy Bluth District Planner Phone: (870) 854-1829 Fax: (807) 854-0335	Name (for proposed parks only) Position Phone and Fax Number
	(for proposed parks only)
lan Hagman District Manager Nipigon District April 12, 2000	Name Ontario Parks Zone Manager XXXX Zone Date

Copies:

District Office: Ontario Parks Zone Office: Regional Planning Unit: