

Your Guide to Isle Royale National Park

www.nps.gov/isro

National Park Service
U.S. Department of the Interior



Seeing the Forest Through its People: Managing Cultural Resources on Isle Royale

ALTHOUGH WILDERNESS IS A BIG PART OF THE Isle Royale experience, and is well represented by the island's thick forests and abundant wildlife, perhaps less recognized is the human interaction with this same landscape. Such engagements span more than four millennium and include a variety of human activities, some modest in scale, others more industrious. Evidence of many of these past endeavors is relatively faint when compared with more modern imprints; however, each activity is well represented on the landscape and each offers its own compelling story. A few examples: Native American occupation sites dot the archipelago from one end to the other reflecting thousands (yes, thousands) of years of seasonal island use; 19th century mining sites exhibit technological adaptations and convey a sense of connection to national markets; The island's four lighthouses illuminate an era where ship traffic was the predominant mode of transportation; Commercial fishing sites offer glimpses of a hard, yet noble profession that contrasts sharply with the summer resort and recreational cabin histories where life was more relaxed. Although brief, this sketch illustrates a measureable human influence on the island landscape. This influence may be tacit, but it is no less significant to a modern island experience.

In November 2010, Isle Royale National Park initiated public review for a Cultural Resources Management Plan, which will address the general management, preservation, public use, and interpretation of cultural resources island-wide. The process is expected to take two years. As part of this process, the National Park Service has formed an interdisciplinary planning team to produce the plan in consultation with the public, tribal and state governments, and other interested parties.

Isle Royale's cultural resources reflect 4500 years of human endeavor and include: prehistoric mining and occupation sites, American Indian and Euro-American historic mining and fishery sites, lighthouses, shipwrecks, and historic resorts and summer homes. They demonstrate a complex interaction of people and the role they played in shaping the human and physical landscapes on Isle Royale. Presently, the National Park Service manages its cultural resources according to directives defined in the Park's General Management Plan/Environmental Impact Statement without specific guidance for a number of cultural resource themes and topics. The proposed Cultural Resources Management Plan and accompanying Environmental Assessment seek to define sustainable management practices for all significant cultural resources found on Isle Royale, including archeological sites, cultural landscapes, historic structures, ethnographic resources, and museum objects.

To guide us through this process, the Park employs many useful management tools associated with laws such as the National Environmental Policy Act, National Historic Preservation Act, Archaeological Resource Protection Act, Antiquities Act of 1906,

Native American Graves Protection and Repatriation Act and the Wilderness Act of 1964. There are others; however, those listed offer general and specific directives on how cultural resources should be managed within contexts of discovery, preservation, education, and wilderness.

We also turn to information gathered over the years through various archaeological field surveys, site assessments and cultural landscape analyses. Numerous archaeological surveys have been performed on Isle Royale, each synthesizing data on sites associated with aboriginal and historic use of the island. Every year additional sites are discovered, each lending themselves to a clearer understanding of past occupations and island culture. Recent studies have focused on the standing structures still present on Isle Royale including lighthouses, Civilian Conservation Corps structures, fishery buildings, and summer residences. Cultural landscapes have also been given attention.

Also worth noting are those island features now listed on the National Register for Historic Places. All four lighthouses are listed as are the island's ten major shipwrecks. The Johns Hotel on Barnum Island is listed for its association with the recreation and commercial fishing industries. The Edisen Fishery near the west end of Rock Harbor was listed for its association with commercial fishing. Less recognized but equally significant is the Minong Mine Historic District. This district is unique in that it was listed for its association with aboriginal and historic mining endeavors, which collectively represent a continuation of use spanning hundreds if not thousands of years.

I encourage you, the visitor, to delve into Isle Royale's cultural heritage. Before and/or during your travels, spend some time reviewing histories involving the island. Take a few moments (and a breather) to read the interpretive signs you encounter along the way. Attend island history presentations at Rock Harbor and Windigo. If time and chance permit, visit the Rock Harbor Lighthouse and Edisen Fishery museums. These two sites offer extensive collections of artifacts related to Isle Royale shipwrecks and lifeways associated with island fisheries. And be sure to ask Park staff about Island history and how it relates to your course of travel. I promise that these stories and material remains will enhance your island experience, imparting a sense of context and relevance among aspects of the wild.

For more information on the planning process and to review and comment on draft documents please visit: <http://parkplanning.nps.gov/ISROcrmp>

See you on the trail,
Seth DePasqual
Archaeologist, Cultural Resource Manager

WELCOME TO ISLE ROYALE

National Park, an archipelago of islands whose character has been shaped by a complex mix of natural and human change.

For more than 4000 years, there has been a sustained human presence on Isle Royale. The culmination of all those past relationships with the land helps define the Island you and I experience today.

Along with massive geological processes like the grinding of an ice sheet two miles thick and the more subtle effects of fire, moose and beaver, humans have been and continue to be a significant force of change on the Island. The protection of Isle Royale as a national park and a Wilderness area is essentially a human construct. Without people, there would be no Wilderness. And without an understanding of how people valued the place in the past, we are disabled from learning from their experiences.

How do we protect these human stories? A suite of laws intended to preserve our invaluable cultural heritage are applicable in Wilderness. In addition, the park is currently generating a Cultural Resources Management Plan that will define specifically how we will protect our history and prehistory both on land and underwater. Park staff and regional experts continue to inventory, monitor and research the Island's cultural sites to provide condition assessments and to seek for deeper insights into our past.

Only a full understanding of our cultural resources will allow park staff to make informed decisions on how to manage the legacy of our past relationships with this island and to integrate them with the wilderness qualities valued in the contemporary landscape. The past, present and future of this place are forever intertwined.

Phyllis Green,
Superintendent



4 Interpretive Activities

Educational Programs about the natural and cultural history of the park.

5-8 Wilderness Use

Pull-out section with information on Leave No Trace, hiking, camping, fishing, canoeing, kayaking and boating.

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12 Publications

Books and maps provided through the Isle Royale and Keweenaw Parks Association.

Printing of *The Greenstone* courtesy of the Isle Royale and Keweenaw Parks Association





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E-mail for General Information:

ISRO_ParkInfo@nps.gov

Emergency use only:

800-727-5847

Isle Royale and Keweenaw Parks Association

(Books & Maps)

800 East Lakeshore Drive
Houghton, MI 49931-1869

Phone: 800-678-6925; 906-482-3627

Website:

www.irkpa.org

E-mail:

irkpa@irkpa.org

Rock Harbor Lodge

Summer

P. O. Box 605
Houghton, MI 49931-0605

Phone: 906-337-4993

Winter

Isle Royale Resorts, P. O. Box 27,
Mammoth Cave, KY 42259-0027

Toll-Free Reservations: 866-644-2003

Phone: 270-773-2191

Website:

www.isleroyaleresort.com

E-mail:

isleroyaleresort@starband.net

Weather Forecasts

for Isle Royale

Michigan

www.crh.noaa.gov/mqt

Minnesota

www.crh.noaa.gov/dlh

National Weather Service

Radio Forecasts

- 162.400 MHz from Houghton, Michigan.
- 162.475 MHz from Thunder Bay, Ontario, Canada.

Keweenaw Convention and

Visitors Bureau

Phone: 800-338-7982

Website:

www.keweenaw.info

E-mail: info@keweenaw.info

Minnesota's Grand Marais

Visitor Information Center

Phone: 888-922-5000

Website:

www.grandmarais.com

Michigan Department

of Natural Resources

Fishing License Purchase

Website:

www.michigan.gov/dnr

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- Photographs from the Isle Royale National Park collection and contributing researchers.

—Printed on recycled paper—

Did You Know?

60% of the 394 National Park Service sites were set aside specifically as tangible legacies of history and prehistory. Even parks designated mainly for their natural features contain extensive and significant cultural resources. On Isle Royale, memoirs of a long, rich human story are written across today's island landscape.

- 1) During the 1800s, numerous commercial copper mines were active. Roads and buildings were constructed, the land was burned and tons of rock was moved. The most successful of these endeavors was the Minong Mine near McCargoe Cove. How many pounds of refined copper were produced from this mine?
- 2) One of Isle Royale's resorts boasted a golf course, tennis and shuffleboard courts and a "swimming pool". Where was this resort? And how many holes of golf could you play there?
- 3) In July of 1936, a fire started on Isle Royale. Civilian Conservation Corps members were dispatched to the island. By the time the fire was out, they had dug hundreds of miles of trenches including a continuous path from Daisy Farm to Todd Harbor. How many CCC firefighters were involved and what percent of the island burned?

- ANSWERS
- 1) The Minong Mine produced 500,000 pounds. Island Mine was a distant second with 213,000 followed by Siskowit Mine with 190,000.
 - 2) The nine-hole course at the Belle Isle Resort's longest hole was a ninety four yard par four. Today's campground sits atop the old course, the remains of the shuffleboard court are nearby.
 - 3) 1800 firefighters battled the blaze which raged for two months and burned 20% of the island. The birch and aspen forests of today's island interior are a legacy of this event.



The National Park Service cares for special places saved by the American people so that all may Experience Our Heritage



Rock Harbor Lodge and Windigo Store

Lodge Rooms

Sixty rooms are available; each accommodates four and offers private bath. Opens 6/7, Closes 9/10.

Housekeeping Rooms

Twenty duplex cottages accommodate six and are furnished with utensils, dishware, private bath, double bed and two bunk beds. Opens 5/27, Closes 9/10.

Gift Shop and Dockside Store

Gift Shop offers handcrafted gifts, apparel, photo supplies, postcards, souvenirs, daily fishing licenses, and tackle. The store offers groceries, freeze-dried foods, fishing tackle, stove fuel, camping, hiking, and boating accessories, showers, laundry facilities, and sundries. Gift Shop Opens 6/7, Closes 9/10; Store Opens 5/27, Closes 9/10.

Lodge Dining Room & Greenstone Grill

Hearty meals, including fresh Lake Trout. Visitors welcome for breakfast, lunch, and dinner. Food service Opens 6/7, Closes 9/10.

Marina and Water Taxi

Offers 450 feet of dock space in Rock Harbor, accommodating boats up to 65 feet. Electrical, fresh water hook-up, sewage pump-out, gasoline, and diesel fuel, motorboat, canoe, and kayak rental available. Water taxi service drops off or picks up visitors, canoes, or kayaks at many island docks. Services Open 5/27, Close 9/10.

Fishing Charters and Sightseeing

Charters are fully equipped. For details on sightseeing trips refer to page 4. Opens 6/7, Closes 9/10.

Windigo Store and Marina

Offers groceries, cold sandwiches, camping supplies, stove fuel, daily fishing licenses and tackle, gifts and photo supplies. The marina offers gasoline, pump-out service, and motorboat, canoe and kayak rental. Shower and laundry facilities available. Services Open 6/7, Close 9/11.

The cost for utilities on Isle Royale is much higher than on the mainland. A utility surcharge will be added to the cost of some goods and services.

Contact Information to the left. www.isleroyaleresort.com



Windows into the Past — Cultural Landscapes at Isle Royale

Isle Royale is managed as a Wilderness and the unparalleled beauty of the natural scenery is certainly what draws many visitors back year after year. However, the park is also rich in a variety of cultural resources that relate a fascinating history of humankind’s evolving interaction with the island.

These resources include traditional resorts, such as Rock Harbor, to rustic summer communities, such as Tobin Harbor. The legacy of commercial fishing is exemplified along the shores in places such as Fisherman’s Home by Point Houghton and Edisen Fishery near the Rock Harbor Light. Commercial fishing and resort vacationing landscapes sometimes overlapped across their significant time periods. These landscapes often interacted with and impacted each other as they did at Washington and

Barnum Islands near Windigo, and Mattson Fishery in Tobin Harbor. Other existing landscapes can be found on the interior of the main island, which holds evidence of human use and is pocked with the remnants of prehistoric and industrial copper mines.

In the summer of 2010, three members of the Cultural Landscape Inventory (CLI) team visited Isle Royale. The CLI is an evaluated inventory of all National Park Service-owned, historically significant landscapes that are listed on, or are eligible for, the National Register of Historic Places. Based in Omaha, our team of landscape architects and historians travel throughout the Midwest to inventory and evaluate the conditions of our parks’ cultural landscapes.

The team studied a number of different landscapes on Isle Royale and conducted analyses of whether the existing conditions continue to reflect the significant history of each individual site. This translates into how well a visitor is able to sense or “feel” the history of the site while they are there. Historic landscapes often become unrecognizable either by falling into ruin or becoming obscured by an intrusion of modern developments.

Many aspects are considered when documenting the integrity of cultural landscapes. Do the structures retain the original building materials? Do the roads and trails reflect the historic patterns of movement? Does the existing vegetation, such as planted trees, shrubs, gardens, or the surrounding forest, retain its historic appearance? Are historic views, such as a panoramic vista

of Lake Superior, maintained? Are there still historic small scale features such as fences, foot bridges, signs, or benches? Is there a particular cultural tradition or form of craftsmanship that helps define the landscape development?

This information is evaluated and compiled into a document that is supplemented with historic narratives, photographs of existing conditions, site plans, and GPS data. This information is used by park management when deciding on future planning projects, or when considering what makes a landscape significant. The end result is a richer experience for park visitors.

Gail Gladstone
Historical Landscape Architect

Dan Jackson
Landscape Historian

Where on Isle Royale?

The main island of Isle Royale National Park is a series of ridge and valleys created by volcanic and tectonic events that occurred in the distant past. The resulting formation has been further modified by the movement of mile thick glaciers across the land

and by slow but continual processes of erosion. Natural fire, subtle yet significant changes in climate, changing lake levels, the arrival of animals – most notably moose and beaver – have all played a role in creating the island we see today.

Humans play a role too. Isle Royale is not, and probably never has been a landscape empty of human presence or impact. Sometimes obvious, sometimes buried and hidden, the evidence of past human use we encounter: a rusty steam engine from a long-ago mine

endeavor, a wooden fishing float washed ashore on an isolated cove, a battered rounded beach stone found high on a ridgeline, reminds us of our long, deep relationship with this place. Every bend in the trail, every bay on the shore has a human story to share.

Do you recognize these places?



1) In the 1930’s Civilian Conservation Corps members from Camp 634 were stationed at this site on Isle Royale.



2) In 1935, the G.W. Mead Company set up a logging camp with two hundred men and a hundred horses, near this location to access pulpwood timber in a large swamp.



3) In 1896, this was one of many small fishing camps that dotted the shoreline and outer islands. In later years, the Holger Johnson family ran a rustic resort as well as a fishery here.



4) A visit to Isle Royale in 1906 or in the 1920s might have included a stay at this resort. In 1922, this place set new standards for luxury on the island with indoor flush toilets.



5) In the early 1890s, the last attempt to commercially mine copper on Isle Royale was based here in a community known at the time as Ghyllbank.

Interpretive Activities

Enjoyable and educational programs are offered on Isle Royale at Rock Harbor and Windigo, and they are also presented on the National Park Service vessel, *Ranger III*. In addition, the tour boat *MV Sandy* offers guided excursions. Ranger guided

programs are free, although those involving *MV Sandy* and the *Ranger III* waterway cruises include a transportation fee. Check at local bulletin boards for further details. For outdoor activities, dress for the possibility of

cold or rain and wear sturdy footwear. Trails are rocky and can be slippery during or after wet weather; wear shoes with good ankle support, weatherproofing, and soles that grip well. Come join us!

- All times are Eastern Daylight Time
- \$ = transportation cost
- ** = indicates tours with a park ranger

ROCK HARBOR AREA	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Rock Harbor Visitor Center Information, books, maps, educational sales materials, camping permits, dive permits, user fee payments, and Jr. Ranger Program.			Daily 8:00 a.m. to 6:00 p.m. – July and August Reduced schedule possible in May, June and September				
Interpretive Programs Join a park representative for an exploration of Isle Royale's natural and cultural history.			Check the bulletin board for program schedule.				

MV SANDY TOURS FROM ROCK HARBOR	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
The trails on guided tours are rocky and uneven with some steep climbs and descents; trails may be slippery. Be prepared for cold temperatures and the possibility of rain.	For all tours and programs involving the <i>MV Sandy</i> , obtain tickets and information at the Lodge Registration Office. <i>MV Sandy</i> Tours will operate from June 7 through September 9. Rates for the various tours are available at the Rock Harbor Lodge and Rock Harbor Visitor Center; children under 12 are charged half-price for the <i>MV Sandy</i> .						

Hidden Lake/Lookout Louise (\$) ** Greenstone Shuttle A 4-mile boat trip on the <i>MV Sandy</i> to Hidden Lake Trailhead followed by a guided 2-mile round trip hike past Hidden Lake up 320 feet to Lookout Louise. View the south shore of Canada and the north shore of Isle Royale. Return with the group or bring a lunch and water and hike 9.4 miles back to Rock Harbor.			9:00 a.m. to 12:30 p.m.		9:00 a.m. to 12:30 p.m.		
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Passage Island (\$) ** An 8-mile boat tour on the <i>MV Sandy</i> crosses one of Isle Royale's popular shipping lanes. The 2-mile guided round-trip hike leads to Passage Island Lighthouse and explores an area of low moose presence.		1:30 p.m. to 6:00 p.m.				1:30 p.m. to 6:00 p.m.	
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Edisen Fishery and Rock Harbor Light (\$) ** Visit the historic commercial fishery with the resident fishery demonstrator and take a quarter-mile walk to the oldest lighthouse (1855) on Isle Royale and enjoy its maritime exhibits.					2:00 p.m. to 6:00 p.m.		9:00 a.m. to 1:30 p.m.
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Captain's Cruise (\$) ** Explore with the Captain of the <i>MV Sandy</i> , scenic, out-of-the-way destinations, such as Middle Island Passage, Lorelei Lane, Rock Harbor Lighthouse, Davidson Island, and Starvation Point.			2:00 p.m. to 5:30 p.m.				
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Raspberry Island/Sunset Cruise (\$) ** Take a walk along a boardwalk through the spruce bog on Raspberry Island followed by a cruise on the <i>MV Sandy</i> around Scoville and Blake Points to view features like the Canada shoreline, the site of the <i>Monarch</i> shipwreck, and a Lake Superior sunset (after Aug. 15, cruise only).			8:00 p.m. to Sunset in June-July 7:30 p.m. to Sunset in August-September			8:00 p.m. to Sunset in June-July 7:30 p.m. to Sunset in August-September	
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DAISY FARM	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Interpretive Programs Join a park representative for an exploration of Isle Royale's natural and cultural history.			Check the campground bulletin board for program schedule.				

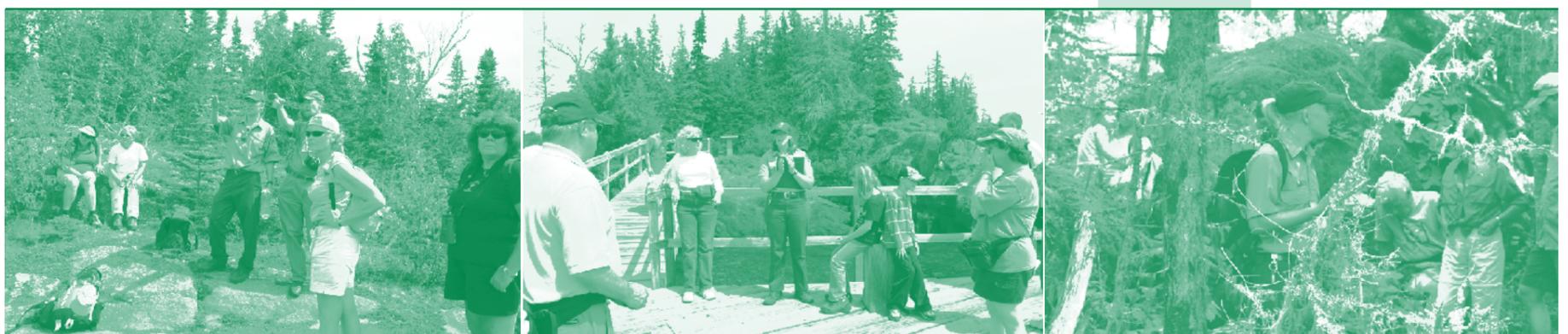
WINDIGO	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Windigo Visitor Center Information, books, maps, educational sales materials, camping permits, dive permits, user fee payments, and Jr. Ranger Program.			Daily 8:00 a.m. to 6:00 p.m. – July and August Reduced schedule possible May, June, and September				

Interpretive Programs Join a park representative for an exploration of Isle Royale's natural and cultural history.			Check the bulletin board for program schedule.				
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HOUGHTON	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Houghton Information, trip planning, books, maps, and other educational sales materials, <i>Ranger III</i> and group camping reservations, boater camping permits, dive permits, and user fee payments.		5/30 through 6/4 open 8:00 a.m. to 4:30 p.m. Monday through Friday, Saturday 2:00 p.m. to 4:00 p.m. 6/6 through 8/13 open 8:00 a.m. to 6:00 p.m. Monday through Friday, Saturday 11:00 a.m. to 6:00 p.m. 8/15 through 9/10 open 8:00 a.m. to 4:30 p.m. Monday through Friday, Saturday 2:00 p.m. to 4:00 p.m. 9/12 through 5/25 open 8:15 a.m. to 4:15 p.m. Monday through Friday, closed for fall and winter holidays					

RANGER III	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Interpretive and Educational Programs While onboard, park staff and guest speakers, weather permitting, will explore Isle Royale's natural and cultural history or topics related to the Lake Superior Basin. Park staff will assist in trip planning, answering questions, and issuing backcountry camping permits.			9:00 a.m. to 2:00 p.m. 5/31 thru 9/13	9:00 a.m. to 2:00 p.m. 6/1 through 9/7	9:00 a.m. to 2:00 p.m. 9/15 only	9:00 a.m. to 2:00 p.m. 6/3 thru 9/9	9:00 a.m. to 2:00 p.m. 6/4 through 9/10

Keweenaw Cruises (\$) ** Enjoy an afternoon cruise along the scenic Keweenaw Waterway aboard the <i>Ranger III</i> . For reservations call (906) 482-0984					1:00 p.m. to 3:30 p.m. 7/21, 8/4, 8/18 and 9/1		
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Wilderness Use

During Isle Royale's early history, visitors risked much to get there. They did not come to vacation; they came to tame the wilderness through mining its copper, harvesting its fish, and logging its timber. The island was never tamed, the resource never conquered, but its landscape holds the scars of these early attempts.

Today Isle Royale has reverted back to a primitive wilderness. The environmental conditions historically viewed as a burden are now attracting a new clientele. Today's visitors, as in the past, can still adversely affect this sensitive resource. To minimize your impact on park resources and other visitors, please practice "Leave No Trace" (for additional information request a copy of the park's Leave No Trace booklet or visit www.lnt.org). Where you place your feet is as important as how you treat and dispose of waste. Be part of the solution: help maintain the sense of solitude and preserve the wilderness flavor, a flavor that has the potential to change your life. Proper wilderness use begins with reading, supporting, and putting into practice the following information.

Trail Conditions

Severe storms during the fall and winter have resulted in a large number of downed trees that will impact trail conditions. Expect to encounter obstacles that may slow your travel time between campsites. Where possible, travel over or under the obstacle to avoid creating impacts off the trail.

Camping

Permits are required for all overnight stays at campgrounds, cross-country sites, docks, or at anchor, regardless of group size or method of travel.

Party Size Defined

The party size for camping at Isle Royale is divided into two categories. "Small" (Individual) parties are defined as a group of six or fewer people. "Group" parties are defined as seven to ten people. There are different requirements outlined below based on party size.

Small Party Camping Permits — parties of six or fewer

Camping for individual parties is on a first-come, first-serve basis. Individual parties can obtain permits onboard the *Ranger III* or upon arrival at Rock Harbor or Windigo Visitor Centers. For trip planning assistance, call (906) 482-0984; write to Isle Royale National Park, 800 East Lakeshore Drive, Houghton, Michigan 49931, or E-mail ISRO_ParkInfo@nps.gov.

Group Camping Permits — parties of seven to ten

Advance reservations are required for group camping. For reservations and trip planning assistance call (906) 482-0984; write to Group Reservations, Isle Royale National Park, 800 East Lakeshore Drive, Houghton, Michigan 49931, or E-mail ISRO_GroupReserve@nps.gov or make reservations on-line at www.nps.gov/isro. If your party exceeds ten people, you must split into two groups, each independent and traveling on completely separate itineraries. Groups shall camp in group tent site locations only (see chart on page six). Group leaders shall carry medical information for each group member including known allergies, known medical conditions, and medications currently taken. Organizations may not have more than twenty people camping on the island at any one time and are limited to eighty people per year.

For additional information, refer to the park's Group Camping brochure.

Where to Camp

All campsites on Isle Royale offer tent sites and/or three-sided shelters. Shelter and tent sites are available on a first-come, first-serve basis. Shelters may not be reserved and may not be used solely for cooking or storage of gear. Tents may not be erected at shelter sites. Be gentle with screen doors on shelters to minimize intrusive noise and to prevent damage.

Expect crowded conditions at park campsites during mid-July through August. When sites are full, we ask campers to double up and share empty tent pad space.

Campers must stay in established campsites unless off-trail (cross-country) arrangements are made at the time the permit is obtained. Off-trail hiking and camping is difficult at Isle Royale, and is only recommended for experienced campers.

Commercial Groups

Organizations that charge trip participants a fee or that compensate members or trip leaders in any way are commercial groups under federal law. This applies to both non-profit and for-profit organizations. These groups must apply for a special permit to conduct trips in the park. There is a fee for this permit. Applications are only accepted between January 2 and May 15; contact the park at (906) 482-0984.

"Quiet, Please"

Most visitors come to Isle Royale to hear the sounds of nature in a wild setting. Excessive human noise disturbs wildlife and other visitors. Sound travels easily over the water and on the trail. During quiet hours, between 10:00 p.m. and 6:00 a.m. EDT, if people in adjacent campsites can hear your activities, you are being too loud.

Respect Wildlife

Observe, photograph, and enjoy park wildlife from a safe distance. Use binoculars or a zoom lens "to get closer" to wildlife. If animals flee, become defensive, or change their natural activities in your presence, you are too close! Loons are especially susceptible to disturbance, and may abandon their nests when approached too closely by boats. Cow moose with calves, particularly in the spring, and bull moose during the fall rut can be dangerous; give them a wide berth.

Keep wild animals wild by discouraging them from approaching humans. Practice proper food storage and keep a clean camp. To protect your food, store it in a hard-sided container or hang it at least six to eight feet from the ground. It is illegal to feed, touch, tease, or intentionally disturb wildlife, their homes, nests, or activities. Animals, particularly fox and otter, when habituated to human food, may eventually overcome their natural wariness of humans and may have to be destroyed.

Human Waste

Proper disposal of human waste helps prevent pollution of water sources, minimizes aesthetic impacts to other visitors and reduces the spread of illness. Never defecate within 200 feet (at least 75 steps) of lakes, streams, trails, gullies, or campsites. In areas without outhouses, select a site that visitors are unlikely to discover. With a small trowel, dig a "cathole" 6 to 8 inches deep and 4 to 6 inches in diameter. Use toilet paper sparingly. After use, cover the "cathole" with the excavated soil and disguise it with natural materials. Urinate on durable surfaces away from campsites and water sources. Pack out all used feminine-hygiene products, carrying them in plastic bags, doubled to confine odor.

Showers

The concession operation offers token-operated shower facilities at Rock Harbor (Open 5/27, Close 9/10) and Windigo (Open 6/7, Close 9/11).

Waste Water Disposal

Cleaning Cookware

Most cookware can be cleaned with hot water, a little elbow grease, and sand or other natural scrubbers. Clean cookware at least 200 feet (75 steps) from lakes, streams, trails, gullies, or campsites. Soap is unnecessary for most dishwashing jobs. Even biodegradable soaps take a long time to degrade. Use these products sparingly and keep them at least 200 feet (75 steps) from water sources and campsites.

Use a small strainer or screen to remove food bits from the water and pack them out with your garbage. The remaining gray water should be scattered or broadcast over a wide area away from camps and water sources.

Bathing/Cleaning Clothes

When bathing use soap only if necessary and use it sparingly. Get wet, then move at least 200 feet (75 steps) away from all water sources and campsites to lather and rinse. Rinse water can be carried in collapsible containers or pots. Clothes can be cleaned by taking them away from water sources and campsites and thoroughly rinsing them with plain water.

Drinking Water

Potable water is only available in Rock Harbor and Windigo. All surface lake and stream water should be considered contaminated with natural parasites. Drinking contaminated water can make you very sick. Water collected in the park should be boiled for at least one minute or passed through a 0.4 micron filter. To be assured of no risk of contamination from small bacteria and viruses, all filtered water should be further treated with iodine or other approved chemical methods. By itself, chemical treatment is not an effective method of water purification. If you boil your water, bring plenty of stove fuel. If filtering, bring a replacement cartridge for filters that cannot be cleaned in the field. Please note: SteriPENs have not been manufacturer-tested for a common Isle Royale parasite and cannot be considered effective.

Precautions should be taken to prevent filters from becoming clogged. Filter water from a pot rather than directly from a lake or creek. Allow the sediment in the pot to settle and filter only from the cleaner water on top.

Dehydration is a factor in most medical problems experienced in the park. In hot weather the Greenstone, Minong, and other trails become hot and dry, and creeks that once offered water may be dry. In addition, there is little or no dependable water available along many trails. To avoid dehydration, be sure to carry a minimum of 2 quarts of water per person. Drink as much water as possible while near water sources. Start hiking early before the day heats up – on ridges it starts getting hot at 10:00 a.m. on sunny days and gets hotter through late afternoon. Hike at a slower pace than usual and rest in shady spots. Dehydration is also a problem in cold weather as most people don't feel thirsty and tend to drink less. Watch for mild signs of dehydration such as thirst, fatigue, headache and dizziness. Signs of severe dehydration include nausea, reduced or no sweating, long stretches without urinating.

Drinking Water Notice

In the past few years, blue-green algae blooms have occurred in several inland lakes including Chickenbone Lake and Lake Ritchie. Blue-green algae blooms can be toxic, but due to the large variety of blue-green algae species and individual conditions of each bloom, we cannot predict if a particular bloom is toxic or not. Filtering does not remove blue-green algae toxins from the water. Exposure to a toxic bloom can cause a range of symptoms from skin irritation to more serious gastrointestinal or respiratory problems. To be safe, the park recommends that you avoid swimming or filtering water if it appears to have a cloudy blue-green cast or looks like "pea soup" or green paint. If you see an algae bloom while in the backcountry, please report it to a park ranger. If algae blooms occur, current information about conditions will be available at park visitor centers. For more information visit the Minnesota Pollution Control Agency website, <http://www.pca.state.mn.us/water/clmp-toxicalgae.html>.

Hantavirus

There have been no reported cases of Hantavirus at Isle Royale National Park. The deer mouse is the primary carrier of the virus. An infected mouse carries the virus in its urine, saliva, feces, and in the carcass. The primary way humans become infected is through breathing in the virus. Infection can also occur by touching the mouth or nose after handling contaminated materials.

To minimize risk, avoid coming into contact with rodent droppings and burrows, avoid sleeping on bare ground, and store food and garbage in rodent-proof containers. For additional information on Hantavirus contact the Centers for Disease Control and Prevention at 800-532-9929.

Pack It In, Pack It Out

It starts at home. Through careful meal planning and repackaging of food items, you can reduce food leftovers and trash in the backcountry. Please pack out everything you take in. Leftover food, food-scrap, orange peels, nutshells, apple cores, twist-ties, candy wrappers, fishing line, and cigarette butts must be packed out. If you have food leftovers, either save and eat them later or pack them out. Do not burn, bury or place trash, food scraps or garbage in outhouses. Please help keep the backcountry clean by packing out what you packed in.

Leave What You Find

Enjoy your discoveries and take them home via photographs, drawings, and memories. Natural objects of beauty or interest such as moose antlers, plants, driftwood, cultural or archeological resources, greenstones, agates, datolite and other minerals, including those found in Lake Superior, must be left where they are so others can experience the same sense of discovery. Removing, possessing, or disturbing park resources is prohibited. This may seem like a harmless act, but the cumulative effect of many people doing the same can be quite damaging to park resources. Picking small quantities of berries and wild edibles for personal consumption is permitted.



Do not use this map for navigation.

Severe storms during the fall and winter have resulted in a large number of downed trees that will impact trail conditions.



To reduce noise and wake impacts the park has designated certain areas around the island as Quiet/No-wake Zones. For detailed information on the zones, contact a park ranger.

The Isle Royale National Park boundary extends 4.5 miles into Lake Superior from Isle Royale and the outer islands, or to the international boundary.

Trail
Quiet/no wake zones

Campsite
Lookout tower
Lighthouse

Overnight dock
Day-use only dock
Marina

Showers
Meals and lodging
Store

CAMPGROUNDS

WARNING: Depth at dock. Know your boat's draft.

KEY: CR - Fires in community ring only
S - Self-contained stoves only
W - Treated water supply
F - Campfires allowed or standing grills provided

	Consecutive Night's Stay Limit Effective 6/1 - Labor Day	Individual Tent Sites	Shelters	Group Tent Sites	Special Information	Normal Conditions Depth at Dock in Feet**	On-board Generator Use Permitted*
Beaver Island	3	0	3	0	S	2'-5'	yes
Belle Isle	5	1	6	0	F	13'	yes
Birch Island	3	1	1	0	S	5'	no
Caribou Island	3	1	2	0	CR	10'	yes
Chickenbone E.	2	3	0	1	S	-	-
Chickenbone W.	2	6	0	3	S	-	-
Chippewa Harbor	3	2	4	1	F	7'	no
Daisy Farm	3	6	16	3	S	9'	no
Desor N.	2	3	0	0	S	-	-
Desor S.	2	7	0	3	S	-	-
Duncan Bay	3	1	2	0	F	6'	no
Duncan Narrows	3	1	2	0	F	6'	no
Feldtmann Lake	2	5	0	2	S	-	-
Grace Island	3	0	2	0	S	2'-4'	yes
Hatchet Lake	2	5	0	3	S	-	-
Hay Bay	3	1	0	0	S	3'-7'	yes
Huginnin Cove (closed 6/14 - 7/6, 2011)	3	5	0	0	S	-	-
Intermediate Lake	2	3	0	0	S	-	-
Island Mine	3	4	0	2	F	-	-
Lake Richie	2	4	0	2	S	-	-
Lake Richie/Canoe	2	3	0	0	S	-	-
Lake Whittlesey	2	3	0	0	S	-	-
Lane Cove	3	5	0	0	S	-	-
Little Todd	2	4	0	0	F	-	-
Malone Bay	3	0	5	2	F	3'-6'	yes
McCargoe Cove	3	3	6	3	CR	7'	no
Merritt Lane	3	1	1	0	S	8'	no
Moskey Basin	3	2	6	2	S	8'	no
Pickerel Cove	2	1	0	0	S	-	-
Rock Harbor	1	11	9	3	W-S	-	-
Rock Harbor Marina	Unlimited	-	-	-	F	3'-12'	yes
Siskiwit Bay	3	4	2	3	CR	2'-6'	no
Three Mile	1	4	8	3	S	9'	no
Todd Harbor	3	5	1	3	CR	2'	no
Tookers Island	3	0	2	0	S	7'	no
Washington Creek	3	5	10	4	S-W	-	-
Windigo Dock	5	-	-	-	S	4'-20'	yes
Wood Lake	2	3	0	0	S	-	-

CANOE PORTAGES

Distance•Elevation-Change•General Comment

- Malone Bay - Siskiwit Lake - 3 miles, 40' Gradual Slope
- Siskiwit Lake - Intermediate Lake - .4 miles, 40' Gradual
- Intermediate Lake - Lake Richie - .6 miles, 120' Hilly and wooded
- Wood Lake - Lake Whittlesey - .6 miles, 80' Rolling
- Lake Whittlesey - Chippewa Harbor - .6 miles, 140' Steep grades and rocky
- Chippewa Harbor - Lake Richie - 1.2 miles, 160' Hilly
- Moskey Basin - Lake Richie - 2.0 miles, 120' Gradual but very long
- Lake Richie - Lake LeSage - .6 miles, 100' Steep grades, wet
- Lake LeSage - Lake Livermore - .4 miles, 80' Steep grades, wet
- Lake Livermore - Chickenbone Lake - .2 miles, 40' Steep but short
- Chickenbone Lake - McCargoe Cove - 1.2 miles, 80' Hilly *lengthened in 2010*
- Pickerel Cove - .1 miles, 10' Short and sweet
- Lane Cove - Stockly Bay - .1 mile, 8' Short and sweet
- Five Finger Bay - Duncan Bay - .2 miles, 8' Short and sweet
- Duncan Bay - Tobin Harbor - .8 miles, 175' Extremely steep
- Tobin Harbor - Rock Harbor - .2 miles, 40' Up and over

NOTE: Because of Isle Royale's geology, north-facing slopes are much steeper than south-facing slopes.

* See Isle Royale Boating Guide for details
** Due to recent low water levels in Lake Superior, boaters should check at Visitor Centers or on the website www.nps.gov/isro for updated water depth information.

...lited in a
...onditions.



Mariners, the Passage Island fog horn now operates through radio signal. If a need arises to sound horn, turn to channel 79 and key microphone 5 times within 5 seconds.

Ranger III
Houghton, Mich. to Mott Island
5 hours one-way
Houghton, Mich. to Rock Harbor
6 hours one-way
73mi/118km
Seaplane
Houghton, Mich. to Rock Harbor
30 minutes one-way

Isle Royale Queen IV
Copper Harbor, Mich. to Rock Harbor
3.4 hours one-way
56mi/90km

- Ranger station
- Self-guiding trail

SAFETY TIPS

The island's Wilderness and Lake Superior present challenges and potential hazards to the inexperienced or ill-prepared.

- Basic emergency services are available on the island, but contacting rangers for assistance can be difficult. Emergency response and evacuation may take time, requiring you to rely on your own skills and equipment. Most private boaters on Lake Superior have radios and can contact park rangers in an emergency.
- Bring a good first aid kit, a sufficient supply of any needed medications, and clothing appropriate for the time of year.
- Filter with chemical treatment or boil all surface water. Drink plenty of water. When dehydrated, you tire more quickly, don't think clearly, and are more prone to fall.
- Weather and lake conditions can deteriorate quickly and unexpectedly. Hypothermia can occur any time of the year, especially near Lake Superior, where water and air temperatures are cool to cold year-round. Fog and waves can quickly create dangerous conditions for boaters, especially for paddlers.
- Many people underestimate hiking travel times and overestimate their abilities. Plan shorter, realistic travel days; don't turn your wilderness trek into a forced march.

FISHING REGULATIONS

Species	Seasons	Minimum Size	Daily Possession Limit	Comment
Lake Trout, Rainbow Trout and Salmon Lake Superior and Siskiwit Lake	April 16 to October 31	10" except 15" for lake trout	5 in any combination, but no more than 3 of any one species - only one over 34"	*1 *2 Artificial lures only on Siskiwit Lake*3 *4
Coaster Brook Trout Lake Superior	May 1 to Labor Day	N/A	Catch and release only in park's Lake Superior waters.	*1 See Greenstone article page 10 for details *4
Brook Trout Streams and Hidden Lake	Last Saturday in April to Labor Day	N/A	Catch and release only — No possession allowed	Artificial lures *3 and barbless hooks *4 See Greenstone article page 10 for details
Rainbow Trout Streams		7"	5 fish with no more than 3 fish over 15"	
Yellow Perch Lake Superior and Inland Lakes	April 16 to October 31	No minimum size	50	Recommend daily limit of 10 *4
Northern Pike Lake Superior and Inland Lakes	May 15 to October 31	24" Lake Superior Inland Lakes - No minimum size, 30" maximum	5 in any combination, but no more than 2 Northern Pike	Artificial lures only on interior lakes *3 and streams *4 See Greenstone article page 10 for details
Walleye Lake Superior and Inland Lakes		15"		

For additional fish species, seasons, and creel limits, please review the Michigan Fishing Guide

*1 Park boundaries extend 4.5 miles out into Lake Superior from the outermost land areas of the park.
*2 For additional trout/salmon fishing information, review the Michigan Fishing Guide.
*3 Artificial lure means any lure or fly manufactured in imitation of, or as a substitute for natural bait. It is unlawful to use or possess live bait, dead or preserved bait, organic or processed food, or scented material on interior lakes or streams.
*4 Only barbless hooks may be used for fishing the park's rivers, creeks, and streams, and all inland lakes. Barbed hooks are only allowed in Lake Superior waters.

Wilderness Use

Insects

Expect mosquitoes, black flies, gnats, and other insects to peak in June or July. During wet summers, mosquito populations can continue well into August. Bring insect repellent, netting, or other skin barriers. Dry summers will produce an abundance of yellow jackets. Bring an epinephrine kit if you or a member of your party is allergic to bee stings. For others, over-the-counter antihistamines may help counter minor swelling and itching.

Minimize Use of Fires

Campfires are permitted at only a handful of campgrounds. A backpacking stove is a must; these stoves are lightweight, dependable, easier to use, and less damaging to the park than wood fires. Where campfires are allowed, a metal fire ring is provided; never build your own ring. Gather only dead and down wood away from the camp area. **Do not import firewood; insects and pathogens from an infected wood source could devastate Isle Royale's forests.** Use small diameter wood no larger than an adult's wrist, as this will burn completely and will eliminate the need to pack a hatchet or saw. Collect wood from a wide area and away from the immediate vicinity of camp. This keeps the camp area from becoming depleted of wood and potential nutrients. Do not break branches or strip bark from standing trees, live or dead. Resist the temptation to gather driftwood or wood from beaver dams or lodges. Do not burn trash in any form. The fire should be kept small. Once finished, make sure the flames and coals are dead out and cold to the touch; double check before going to bed or leaving camp.

Canoeing/Kayaking

Lake Superior is well known for its cold temperatures, fog, and sudden squalls that can generate waves that could easily swamp a canoe. This along with scarce outer shore landing sites adds to the potential danger. Small, open vessels are encouraged to use the numerous miles of waterways that the inland lakes provide. Canoeists and kayakers should be familiar with weather patterns and consult the marine forecast at visitor centers before embarking. Be prepared to adjust your schedule to the weather. A portable marine radio is recommended.

Portages –

Canoe routes and portages are on the northeast half of the Island. Portages are marked with a letter “P” on a post.

PFD –

Every canoeist and kayaker must have a U.S. Coast Guard approved personal flotation device. Wear it; your life may depend on it.

Boat Rental –

Canoe, kayak, and motorboat rentals are available at Windigo and Rock Harbor. For more information contact the Rock Harbor Lodge. (refer to page 2).

Loons

Isle Royale National Park is the summer home for over 100 nesting pairs of common loons, supporting the only known population which still breeds on Great Lakes waters. These birds nest on land very close to the shoreline, making them highly susceptible to human disturbance. An adult loon who tremolos (the laughing call) is sending a message that you are too close. From mid-May through July 15 (loon nesting season) visitors are to stay at least 150 feet away from small islands. Additional areas may be closed due to loon nesting, please check at the visitor centers for updated information.

Aquatic Invasive Species

Invasive species are considered to be one of the top threats to the ecological integrity of our national parks. Please take time before and during your trip to do your part to repel the invasion.

What can you do to stop the spread? Before traveling to Isle Royale

Boaters

Drain live wells and bilge on land - remove transom water, lake water, and unwanted bait from your boat. Wash your boat, including bilge and equipment with either: a) Hot (greater than 104 degrees F) water, b) High pressure water, or c) disinfectant OR

Clean and Dry your boat and equipment in the sun for five days. Rainy days don't count.

Backpackers

Prior to departure, clean your camping gear, clothing, and boots.

Canoeists and Kayakers

Remove weeds, algae, and other plant and animal materials from your boat. Wash your boat and equipment with either: a) Hot (greater than 104 degrees F) water, b) High pressure water, or c) disinfectant OR

Clean and Dry your boat and equipment in the sun for five days. Rainy days don't count.

Anglers

Clean fishing gear before island departure.

Divers

Wash all dive gear in warm chlorinated tap water - Disinfect your wetsuit with a special-purpose shampoo - dry all dive gear and wetsuit for seven days before island departure.

While on Isle Royale

If you filter water from Lake Superior, change your filter or backflush several times with filtered water before using inland.

Canoeists and Kayakers

Wipe down your boat and associated gear before moving from Lake Superior to inland waters.

Anglers

When moving from Lake Superior to inland waters, clean gear and change line spools.

Wheeled Vehicles/ Devices

Wheeled vehicles (except for non-motorized wheelchairs) or other mechanical forms of transportation are not allowed on trails. This includes bicycles and portaging devices.

Weapons, Traps, & Nets

The use or possession of weapons, traps, and nets is prohibited. Weapons include any implements designed to discharge a projectile or missile in the air or water. Fireworks are prohibited.

Exception: As of February 22, 2010, a new federal law allows people who can legally

possess firearms under applicable federal, state and local laws to legally possess firearms in the park. However, the use of firearms within park boundaries is illegal.

Park User Responsibility: It is the responsibility of visitors to understand and comply with all applicable state, local and federal firearms laws before entering the park. As a starting point view the Michigan MCL Section 28.425b and visit the Michigan State Police website.

Weapons prohibited in Federal Facilities: Federal law prohibits firearms in certain facilities in the park; those places are marked with signs at all public entrances.

Weapons restrictions aboard Federal vessels and Concession vessels: Federal law prohibits firearms aboard federally-owned vessels servicing the park and restricts firearms aboard concession vessels and seaplane servicing the park; those vessels and boarding areas are marked with signs.

For more detailed information and links to legislation and pertaining laws visit www.nps.gov/isro/parkmgmt/lawsandpolicies.htm

Pets

Dogs, cats, and other pets are not allowed. This includes pets on boats within the park boundaries, which extend 4.5 miles into Lake Superior from the outermost land areas of the park. Visitors bringing pets to Isle Royale will be required to leave immediately. Pets disturb wildlife and can transmit diseases, particularly to wolves. Special conditions apply to guide dogs. Please contact the park for further information.

Boating

All boaters staying overnight at anchor, at docks, or in campgrounds must first obtain a camping permit. Lake Superior offers challenging and often dangerous weather in the form of dense fog, high winds, waves, and thunderstorms. Combine this with rocky reefs, limited safe harbors, and Isle Royale's remoteness, and it pays for you, your crew, and your boat to be shipshape. For additional information on boating and trip planning please request the park's Isle Royale Boating Guide. **In addition to Houghton, Rock Harbor, and Windigo, boaters may obtain Isle Royale camping permits and pay user fees while using our on-line service at <https://www.nps.gov/isro>**

Restricted Water Activities –

Water skiing and personal watercraft including vessels commonly referred to as jet skis, waverunners, sea-doo's, wet bikes, or surf jets are prohibited. Since all of the park's inland lakes are located within designated Wilderness, they can only be explored by paddling. Vessels with motors (even if not in use) are prohibited on inland lakes and streams.

Portable Generators, Electronic and Motorized Devices –

Operation of electronic and motorized devices such as stereos, televisions, radios tuned to commercial stations and portable generators is not permitted except in developed and open-water motorized zones. Developed areas include the Windigo and Rock Harbor developed areas, and the Mott Island Headquarters area. Open water motorized zones include Lake Superior waters outside of designated “quiet/no wake waters”.

On-Board Generators –

The operation or use of permanently installed (by the boat manufacturer) on-board vessel generators is allowed between 6:00 a.m. and 10:00 p.m. Eastern Daylight Time in developed zones and at the following docks: Beaver Island, Belle Isle, Caribou Island, Grace Island, Hay Bay, Malone Bay, Rock Harbor, and Windigo. On-board generators may not be operated or used at the following public docks: Birch Island, Chippewa Harbor, Daisy Farm, Duncan Bay, Duncan Narrows, McCargoe Cove, Merritt Lane, Moskey Basin, Siskiwit Bay, Three Mile, Todd Harbor, and Tookers Island. Vessels at anchor within Quiet/No Wake Zones may operate on-board generators between 6:00 a.m. and 10:00 p.m. Eastern Daylight Time, except when anchored within 1/4-mile of a designated park campground.

Quiet/No Wake Zones –

These zones promote a quality visitor experience by providing relatively tranquil, natural marine surroundings. Within the zone, vessels must not exceed 5 mph or create a wake in excess of surrounding seas. Quiet/No Wake Zones include specified areas near Todd Harbor, Johns Island, Barnum/Washington Islands, Hay Bay, Wright Island, Malone Bay, Chippewa Harbor, Conglomerate Bay, Moskey Basin, Lorelei Lane, Tobin Harbor, Merritt Lane, Passage Island, Duncan Bay, Five Finger Bay, Lane Cove, Robinson Bay, Pickerel Cove, Belle Harbor, Crystal Cove, and McCargoe Cove. Consult maps and brochures available at visitor centers and on-board the *Ranger III* for specific information.

Pollution Prevention –

Head pump-out service is available at Windigo and Rock Harbor when the concession operation is open.

Vessels carrying spare fuel in portable containers must use legally approved containers. Fuel may not be stored on docks.

Customs –

All vessels arriving from Canada (U.S. or Canadian) must clear U.S. customs at Windigo or Rock Harbor Visitor Center. **A valid passport, U.S. Passport card, enhanced drivers license, or trusted traveler program card is required. Visitors from Canada can be cleared for Isle Royale only.** For additional information go to www.cbp.gov.

Divers –

Please refer to your dive permit regulations concerning compressor use.

Fuel –

Gasoline is sold from June 7 through September 11 at Windigo; gasoline and diesel fuel are sold from May 27 through September 9 at Rock Harbor. Diesel fuel is not available at Windigo. Early and late season service or fuel may be obtained at Windigo and Mott Island if personnel are available.

A Century of Study

The man trudged up the side of the steep ridge. Sweat beaded on his brow even though the breeze felt cool. Stopping to catch his breath, he looked back on the clear blue gash of water that cut like a knife into the center of the island. The year was 1892 and the first professional archeologist had adventured to Isle Royale.

Professional archeological studies on Isle Royale were motivated by the work of amateurs who had explored the island in earlier years. Wild speculation that Isle Royale was the site of a long-forgotten empire and home to a lost civilization led archeologist William Holmes to mount an expedition with the goal of refuting these claims. He based his work in the area around



Areas around aboriginal pits are sometimes littered with hammerstones.

McCargoe Cove and was obviously impressed by what he saw.

“All over the slopes...are traces of the ancient diggings, and the extent of the work was a matter of great surprise to me...I found myself wandering over the wilderness of pits and their accompanying mounds of excavated materials, marveling at the enterprise and perseverance of the aborigines. For a people with only primitive tools the work seems colossal.”

Over a hundred years later, we are similarly astounded by the more than a thousand identified prehistoric pits in this small area near McCargoe Cove. Our muscles ache just imagining the physical effort of hammering the hard basaltic rock with an oblong beach

stone. We give an inward cheer at the thought of a piece of copper finally being loosened from the surrounding matrix. We are amazed to discover that deep pits (the digging of which involved displacing 2000 cubic feet of rock), sometimes revealed hunks of pure copper that weighed thousands of pounds.

The fascinating story of these aboriginal miners is still being uncovered. From William Holmes' first expedition to recent surveys, archeologists continue to discover new aspects of these early visitors to this archipelago. Even after a century of study, there is still much to learn.

Valerie Martin
Park Ranger

Digging Into Prehistory

A team of archeologists from the National Park Service's Midwest Archeological Center embarked on a highly anticipated project to conduct an island-wide survey of aboriginal copper mining sites at Isle Royale National Park. The overall goal of the project was to identify the number, location, condition, and potential significance of aboriginal mining sites and use the information to protect and interpret these important archeological resources. These early mining sites have long been of interest and their preservation in the archeological record is integral to understanding and appreciating how the draw of pure copper helped shape the enduring relationship between people and Isle Royale. And while archeological surveys of mining sites have been conducted at Isle Royale since the 1870s, many of the sites and associated habitation areas remained largely uninvestigated.

The survey was initiated in 2008 and continued with subsequent field seasons in 2009 and 2010, with each season lasting about five weeks. The first year's work focused on revisiting as many previously recorded copper mining sites, aboriginal and historic, as possible. As anyone who has traveled to the island knows, logistics can be challenging, but thanks to the support and assistance from Isle Royale staff, the team visited over twenty sites across the island. These site visits were important to thoroughly document the sites (many had not been visited for decades) with mapping, photographs, and global positioning system (gps) readings. The team also systematically assessed the condition of each site, looking for signs of natural and/or human impacts or threats, and for any evidence of associated site features or artifacts. Further, the team was able to observe the types and variety of mine sites and their corresponding geological settings, which helped guide them during the survey that was to follow.

The survey for previously unrecorded aboriginal mining sites commenced during the early spring in 2009 when the vegetation, which can obscure the visibility of mine pits, was dormant. The crew targeted areas where, based on the geology and distribution of known sites, additional mining sites were anticipated. They set up camp near the targeted survey zones and each day set out for a full day's worth of intensive pedestrian survey. This involved walking in linear transects at regularly-spaced intervals over an area while looking at the ground for any evidence of mining—namely pits. Over sixty potential mine pits were identified; some of the pits are more obviously cultural than others, the latter of which could be the result of natural processes such as tree tips and water pooling. All of the pits were recorded and thoroughly documented.



Excavating a potential mine pit

The team also had the opportunity to partially excavate a newly discovered pit at a previously documented aboriginal mining site. Numerous artifacts were recovered, including hammerstones, wedges, and chipped stone debris from tool making, and an extracted copper-bearing vein was exposed. Samples of wood charcoal were collected from the feature for radiocarbon dating, which will provide a time frame for when the feature was utilized.

The team returned in 2010 to complete excavations at a select sample of the potential mine pits to determine the pits' genesis and if possible, to assign cultural and/or temporal placement to the features. Seven pits were targeted and yielded results quite different than the previous year's excavation. The most subtle pits lacked any evidence of cultural origin and can be explained as the result of natural phenomena; larger pits, though too pronounced to be of natural origin, did not contain any artifacts or evidence of cultural activity other than the pits themselves. In the largest of the targeted pits, two rocks

exposed at its deep base bore historic drill marks, though no associated artifacts were found. Though these excavations did not yield much material cultural, the data on their morphology and geologic setting will help interpret the many other suspected pits recorded throughout this project and perhaps shed light on other activities occurring on the island.

As a result of this project, we have successfully improved, updated, and expanded upon the documentation of previously recorded mining sites. We were also able to survey large portions of the island for additional mine sites and in doing so identified numerous pits that could be attributed to early mining activities. This information will contribute substantially to the story of copper mining at Isle Royale and allows this unique and important resource to be better understood, protected, and enjoyed.

Ann Bauermeister
Archeologist
Midwest Archeological Center



Dustin Gonzales and Andrew LaBounty map a mine pit

REMINDER:

Barbless hooks and artificial lures only in all inland lakes, streams and creeks.

Fishing at Isle Royale

A Michigan fishing license is required for fishing in Lake Superior, including narrow bays and harbors, and when transporting fish from the island to the mainland. If you are under 17 years of age, you may fish without a license. Licenses are not required to fish on the inland waters of Isle Royale; possession limits are the same as those set by the State of Michigan. Also see additional information on this page regarding special brook trout regulations.

Anglers should refer to the Michigan fishing regulations for possession limits and detailed license requirements for Lake Superior (also see the chart on page 7 for a brief guide to regulations). Only 24-hour licenses are available on the island and only when concession services are open. You may purchase a Michigan fishing license online at www.michigan.gov/dnr.

Special Brook Trout Regulations

Surveys indicate populations are dangerously low and may be at risk of disappearing unless they have more protection. The National Park Service and Michigan DNR have implemented protective regulations at Isle Royale in order to help with the recovery of this once-common fish.

Brook trout can be identified by their nearly square tail and wormlike pattern on the back and dorsal fin. If you're uncertain about the species you catch, return it to the water.

Lake Superior Waters
(extend 4.5 miles out from the island)
Catch and release only for all brook trout, including all bays and harbors.

Inland Waters

Catch and release only in all lakes, streams, and creeks. Only artificial lures and barbless hooks can be used in all lakes, streams, and creeks.

Invader Alert – Aquatic Invasive Species

Isle Royale waters, like all Lake Superior waters, face a growing threat from the invasion of non-native species. Once species like zebra mussels, spiny water fleas and sea lamprey enter an area, they cause large scale changes in the ecosystem.

Two invasive species, the sea lamprey and the spiny water flea have already established a presence in Isle Royale waters. The spiny water flea is presently found only in Lake Superior. The park is concerned it may enter the inland lakes. Once established, its spines harm predator fish and the fleas disrupt the zooplankton population, the basic source for many fish species.

In 2009, zebra mussels were documented for the first time. Their potential to cause catastrophic change cannot be overstated. If zebra mussels were to enter the inland lakes it is estimated that they would cover nearly every habitable surface on an inland lake floor in two to four years.

The exotic virus Viral Hemorrhagic Septicemia (VHS) has reached Lake Superior. This disease affects more than 40 species of fish including lake trout and coaster brook trout. The incredible genetic diversity of Isle Royale's lake trout would be at risk if VHS was introduced to Isle Royale waters.

Stopping the Spread - Visitor Responsibilities

Vessel owners are legally responsible for Aquatic Invasive Species decontamination prior to entering park waters (extending 4.5 miles from Isle Royale and the outer islands). This applies to all vessels (power and sailboats, canoes, kayaks, etc.), regardless of size or configuration. Please take the following steps to prevent the transport of zebra mussels and other aquatic invasive species to Isle Royale waters:

Inspect for zebra mussels and other aquatic invasives attached to your trim tabs, swim platform, motor mounts, hull and equipment. Feel the hull. A coarse sandpaper texture may indicate larval mussels attached to your boat.

Remove all zebra mussels and other invasive species along with any aquatic plants from your boat, trailer and equipment. Larval mussels are best removed with a scrub brush or similar method. Treat invasives like litter. Dispose of them in a trash can.

Drain all water from your motor, livewell, bilge, transom, etc. away from any body of water.

Wash your boat, including bilge and equipment with either: a) Hot (greater than 104 degrees F) water, b) High pressure water, or c) disinfectant OR

Clean and Dry your boat and equipment in the sun for five days. Rainy days don't count.

Check to see if your boat is coming from a port known to have zebra mussels. Duluth, Superior, Thunder Bay, Marquette, Ontonagon and Ashland all have documented infestations. If so, take extra measures to assure decontamination.

Fishery Conservation

With its multitude of islands and bays on Lake Superior, as well as numerous lakes and streams on the interior of the island, Isle Royale provides many opportunities for outstanding recreational fishing for wild, native fish. How can you help to conserve and minimize damage to the Isle Royale fishery?

- The possession or use of bait for fishing within the Lake Superior waters of the park is limited to those fish and/or fish parts that are caught within Isle Royale National Park waters. Transporting fish or fish parts for use as bait to the park is prohibited.
- Catch only what you plan to keep or eat. Catch and release, while encouraged, can be damaging and very stressful on fish.
- Know the minimum and maximum legal size of fish so that if they are too small or too large they can be quickly released.
- If moving from Lake Superior to an inland lake, change to a different spool of line. This will help prevent spread of the spiny water-flea, an exotic aquatic invertebrate that competes with juvenile fish for food. It has been found in Lake Superior waters of the park but is not yet documented in inland waters. Spiny water fleas can adhere to fishing line and be easily spread to other bodies of water.
- Release larger fish and keep medium size fish to insure future productivity. Larger, more mature fish produce more offspring than smaller fish.
- Instead of killing trophy fish, consider a modern graphite mount produced from a picture of the fish.
- Return fish to the water as soon as possible. While unhooking them, keep fish in the water as much as possible.
- Try not to handle fish, but if you need to, do so with a wet hand. Release handled fish gently by allowing them to swim

from your hands rather than throwing them back into the water.

- Do not squeeze the fish or place fingers in the gills, since a torn gill can cause the fish to bleed to death.
- Remove the hook gently. Pliers work best. Cut the line near the hook if a fish is deeply hooked. A steel hook will decompose in time.
- Use only artificial lures (required in inland waters) as exotic species can accidentally be introduced by using live bait. In addition, live bait is more likely to be swallowed; resulting in more damage to fish.
- Use single, barbless hooks or bend down the barbs on the hooks. Using larger spoons when fishing for larger fish will help prevent catching undersize fish.

Disposal of Fish Remains

At Rock Harbor, please use the fish cleaning station. At other locations, the preferred method is to dump remains chopped up into pieces 4" or less in deep (50' or deeper) water. This reduces the unsightly remains and odors around campgrounds and the unnaturally large gathering of gulls at these sites. At inland lakes the preferred method of disposal is to chop fish remains into pieces 4" or less and deposit into deep water via canoe. If you do not have a canoe, you could request the assistance of a canoeist. The alternate method is to chop up remains into pieces 4" or less and move at least 200 feet (75 steps) from campground and throw remains as far as possible into deep water. These steps will eliminate the potential for attracting and feeding wildlife at campgrounds. Please clean fish away from docks and campgrounds. Do not throw remains in shallow water near shore or throw remains to gulls or other animals.

Transporting Fish to the Mainland

You are allowed only one day's catch in your possession. While the license holder remains on the Island, Michigan Department of Natural Resources (DNR) allows those with DNR permits to ship legally-taken fish on the *Ranger III*, *Isle Royale Queen IV*, *Sea Hunter*, *Voyageur II* and the seaplane. This one-a-year permit covers up to a single day's catch limit. Fish must be claimed when the ferry service arrives at their destination. Permits may be obtained by writing: Department of Natural Resources, 427 U.S. 41 North, Baraga, Michigan 49908-9627 or calling (906) 353-6651.

Fishermen returning on the *Ranger III* must check in their fish with the ship's purser. Fish cannot be transported in coolers on private boats onboard the *Ranger III*.

Fish Consumption Advisory

Contaminants discovered in the Park ecosystem remind us that although Isle Royale is remote, it is part of a global system. Ongoing research in six inland lakes (Sargent, Siskiwit, Eva, Shesheeb, Wagejo, and Anglemorm) shows fish with mercury levels exceeding the State of Michigan fish consumption advisories.

For information on fish consumption advisories check with park staff or visit the Michigan Department of Community Health website at: <http://www.michigan.gov/mdch>

Jay Glase
Fishery Biologist

Transportation Services

Rates and schedules are subject to change.

FROM HOUGHTON, MICHIGAN



RANGER III

National Park Service owned and operated.

5 hours one-way to Mott Island 6 hours one-way to Rock Harbor, 165 ft., 128 passenger vessel

SCHEDULE (Eastern Daylight Time)

5/31 thru 9/15

■ Houghton to Rock Harbor Tues. and Fri. 9:00 a.m.

■ Rock Harbor to Houghton Wed. and Sat. through 9/10 9:00 a.m. Thur. 9/15 9:00 a.m.

SPECIAL FALL SCHEDULE

Six passenger seats are available for the following dates, dependent on the weather.

■ 9/20, 9/27, 10/4, and 10/11 Houghton to Rock Harbor Departs 8:15 a.m.

■ 9/22, 9/28, 10/5, and 10/13 Rock Harbor to Houghton Departs 8:15 a.m.

■ 10/18 Windigo to Houghton Departs 8:15 a.m.

Keweenaw Waterway Cruise

(2 ½ hours) 7/21, 8/4, 8/18 and 9/1 Depart from Houghton 1:00 p.m.

FARES ONE-WAY

Low Season Prior to 7/8 and after 8/27

Adults.....\$50.00

High Season 7/8 thru 8/27

Adults.....\$60.00

All Season

Children (7 thru 11 years)20.00

Children (age 6 and under)FREE

Boat (less than 18'01")..... 85.00

Boat (18'01" to 20'00")..... 137.50

Disabled boat (20'01" to 26'00")..... 350.00

Canoe/Kayaks (hand-loaded)..... 20.00

Canoe/Kayaks over (20'00" or 90 lbs.) 50.00

Outboard Motor..... 15.00

100 lbs. gear per passengerFREE

Additional freight after 100 lbs \$9.00/100wt.

GROUP RATES ONE-WAY

(A party of seven or more)

Adults.....\$50.00

Children (7 thru 11 years)\$20.00

SPECIAL RATES

Ranger III Birthday Special

Adult round-trip of \$60.00 if round-trip is scheduled between 6/14 and 6/25, Children round-trip of \$20.00, if round-trip is scheduled between 6/14 and 6/25

Ranger III Lodge Packages

(1, 4, or 5 night stay, lodge only with meals)

6/7 thru 7/2 25% Passenger Discount,

15% Lodging discount

7/5 thru 9/10 20% Passenger Discount

10% Lodging discount

For reservations contact the Rock Harbor Lodge at 866-644-2003.

Keweenaw Waterway Cruises

Adults.....\$20.00

Children and Youth (age 1 through 15)\$5.00

Infants (under 1 year).....FREE

RESERVATIONS

Full payment required for confirmed reservation.

National Park User Fee is payable at time of ticket purchase. Major credit cards accepted.

Reservations accepted on or after January 2.

CANCELLATIONS

Refunds, minus a 15% processing fee, if cancellation is received 3 days prior to sailing and tickets are returned. No refund within 3 days of sailing.

AMENITIES

Free parking • Largest of the ships • Crew of 9 • Two decks for passenger use • Three staterooms available • Ranger III Grill • Interpretive Programs • Backcountry Permits issued and orientation given onboard • Four lounges • Handicap Accessible Bathroom

FOR INFORMATION OR RESERVATIONS CONTACT

Isle Royale National Park

800 East Lakeshore Drive

Houghton, MI 49931-1869

On-line Reservations

www.nps.gov/isro

Phone: (906) 482-0984

Fax: (906) 482-8753

E-mail: ISRO_Ranger3Reserve@nps.gov

Website: www.nps.gov/isro

FROM COPPER HARBOR, MICHIGAN



ISLE ROYALE QUEEN IV

3 hours one-way, concession operated, 100 ft., 100 passenger vessel

SCHEDULE (Eastern Daylight Time)

■ Copper Harbor 8:00 a.m.

■ Rock Harbor 2:45 p.m.

5/13 thru 5/31 M & F

6/1 thru 6/11 M, W, F, Sat

6/12 thru 6/30 M, T, Th, F, Sat

7/1 thru 7/31 M, T, Th, F, Sat, Sun

8/1 thru 8/31 Every Day

9/1 thru 9/4 Th, F, Sat, Sun

9/5 thru 9/30 M & F

FARES ONE-WAY

5/13 thru 7/14 & 8/16 thru 9/30

Adults.....\$57.00

Children (1 thru 11).....28.50

7/15 thru 8/15

Adults.....\$65.00

Children (1 thru 11 years).....32.50

Infants (under 1 year).....FREE

Canoe/Kayaks25.00

Double Kayaks.....40.00

Motors (under 5 hp).....5.00

Motors (5 hp and over).....15.00

70 lbs. gear per person.....FREE

RESERVATIONS

A full-fare deposit is required for each reservation. All canoes and kayaks require advance reservations. Most credit cards accepted.

CANCELLATIONS

There is no refund if canceled less than 3 days before sailing. Cancellations received with more than 3 days notice will be sent an 85% refund.

If canceling a group of 10 or more, two weeks notice is required.

MISCELLANEOUS

Parking fee • Limited snacks • Freight, canoes, etc. carried for our passengers only • Due to weight restrictions, luggage limited to 70 lbs. per passenger • Phone and letter reservations only

• Email and faxes are for information requests only • The \$4 per day National Park User Fee is collected on the Queen IV as she sails to Isle Royale and is payable in cash, check, or money order only.

Motor Boaters be advised that the Queen IV is presently not equipped to carry motor boats.

Boaters should contact the Ranger III for passage.

FOR INFORMATION OR RESERVATIONS CONTACT

The Isle Royale Line, Inc.

P.O. Box 24, Copper Harbor, MI 49918

Phone: (906) 289-4437

Fax: (906) 289-4952

E-mail: Captaink@pasty.net

Website: www.isleroyale.com

FROM GRAND PORTAGE, MINNESOTA



VOYAGEUR II

Grand Portage to Windigo - 2 hours one-way, Windigo to Rock Harbor - 5 hours one-way, concession operated, 60 ft. vessel

SCHEDULE (Central Daylight Time)

■ Grand Portage to Rock Harbor via Windigo/McCargoe Cove/Belle Isle

5/7 thru 5/28 W & Sat 7:30 a.m.

5/30 thru 9/17 M, W & Sat 7:30 a.m.

9/21 thru 9/28 W 7:30 a.m.

■ Rock Harbor to Grand Portage via Daisy Farm/Chippewa Harbor/Malone Bay/Windigo

5/8 thru 5/29 Th & Sun. 8:00 a.m.

(9:00 a.m. EDT)

5/31 thru 9/18 Tue, Th & Sun 8:00 a.m.

(9:00 a.m. EDT)

9/22 thru 9/29 Th 8:00 a.m.

(9:00 a.m. EDT)

Windigo Round-Trip – Sat. & Sun. 9/24 thru 10/02

Grand Portage to Windigo 8:00 a.m.

Windigo to Grand Portage 1:00 p.m.

(2:00 p.m. EDT)

FARES ONE-WAY

Grand Portage to Windigo.....\$64.00

Children (4 thru 11 years).....44.00

Grand Portage to McCargoe Cove/Belle Isle/Rock Harbor/Daisy Farm/Chippewa

Harbor/Malone Bay.....76.00

Children (4 thru 11 years).....52.00

Inter-island travel between various same day designated island stops.....47.00 – 59.00

Inter-island travel for child.....32.00 - 41.00

Canoe, Kayak.....33.00

Air Tanks, Additional freight

after 40 lbs. \$33.00/100 lb.

RESERVATIONS

Full payment required for confirmed reservations.

Major credit cards accepted. National Park User Fee is payable at time of ticket purchase. Refund is 85% of fare, provided cancellation is received at least 2 full weeks prior to departure.

MISCELLANEOUS

• Parking fee • Hot coffee available • Freight shipments must be arranged in advance • Fuel surcharge • Fishing poles must be in protective cases • Hard gear must be in securely closed packs.

FOR INFORMATION OR RESERVATIONS CONTACT

Grand Portage-Isle Royale Transportation Line, Inc.

P.O. Box 10529, White Bear Lake, MN 55110

Phone: (888) 746-2305 or (651) 653-5872 – Oct thru April

(218) 475-0024 – May thru Oct

E-mail: reservations@isleroyaleboats.com

Website: www.isleroyaleboats.com

FROM GRAND PORTAGE, MINNESOTA



SEA HUNTER

1.5 hours one-way, concession operated, 65 ft. vessel

SCHEDULE (Central Daylight Time)

■ Grand Portage to

Windigo.....departure 8:30 a.m.

6/17 thru 7/9 W, Fri, Sat

7/13 thru 8/21 W, Th, Fri, Sat, Sun

8/24 thru 9/3 W, Fri, Sat

■ Windigo to

Grand Portage daily 2:00 p.m.

(3:00 p.m. EDT)

6/17 thru 7/9 W, Fri, Sat

7/13 thru 8/21 W, Th, Fri, Sat, Sun

8/24 thru 9/3 W, Fri, Sat

FARES ONE-WAY

Adults.....\$64.00

Children (4 thru 11 years)44.00

Canoe/Kayak33.00

40 lbs. Gear per passenger.....FREE

Additional freight

after 40 lbs. \$33.00/100 lb.

SAME DAY ROUND-TRIP

Adults.....\$53.00

Children (4 thru 11 years)30.00

RESERVATIONS

Full payment required for confirmed reservations.

Major credit cards accepted. National Park User Fee is payable at time of ticket purchase. Refund is 85% of fare, provided cancellation is received at least 2 full weeks prior to departure.

MISCELLANEOUS

Parking fee • Hot coffee available • Limited snacks

• Sightseeing en route • Fishing poles must be in protective cases • Hard gear must be in securely closed packs • Fuel surcharge.

FOR INFORMATION OR RESERVATIONS CONTACT

Grand Portage-Isle Royale

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P.O. Box 10529, White Bear Lake, MN 55110

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E-mail: reservations@isleroyaleboats.com

Website: www.isleroyaleboats.com

FROM HOUGHTON, MICHIGAN



SEAPLANE

Air service to Isle Royale operates from the Houghton County Airport from mid-May to mid-September. Visit website for available dates.

The seaplane accommodates up to four persons. Baggage is limited to 40 pounds per person. The plane cannot carry stove fuel. Selected fuels are available upon arrival at the Park.

Schedule

Mid-May to mid-September. Visit website for available dates.

Rates

Round trip\$290.00

One Way195.00

Inter-island100.00

FOR INFORMATION OR RESERVATIONS CONTACT

Royale Air Service, Inc

P.O. Box 15184

Duluth, MN 55815

Phone: (218) 721-0405

(877) 359-4753

Fax: (218) 721-0409

(877) 359-4754

E-mail: royaleairservice@aol.com

Website: www.royaleairservice.com

WATER TRANSPORTATION ON THE ISLAND

VOYAGEUR II

During its clockwise circumnavigation of the Island, the Voyageur II provides drop-off and pick-up services at several areas. Please refer to their schedule and rates.

ROCK HARBOR LODGE

WATER TAXI

Provides drop-off and pick-up services between Rock Harbor and McCargoe Cove on the north shore and Rock Harbor and Malone Bay on the south shore. Opens 5/27; Closes 9/10. For rates and further information visit www.isleroyalesort.com For contact information refer to page 2.

GENERAL INFORMATION

• No alcohol consumption on passenger ferries.

• Pets and wheeled devices are not allowed. • Wheelchairs are allowed. • Stove fuel can be carried in approved containers on ferries, but not on the seaplane. • Lake Superior weather is cool throughout the year; for comfort bring a warm jacket.

Isle Royale's Recreation Fee Program

Fee Categories	Rate and Explanation
Daily User Fee	\$4.00 per person per day. Children 11 and under are exempt from the fee.
(Optional): Individual Season Pass	\$50.00 This pass is valid from April 16 through October 31 of the year indicated. The pass covers the User Fee for the person whose signature appears on the pass.
(Optional): Season Boat Rider Pass	\$150.00 This pass is valid from April 16 through October 31 of the year indicated. The pass covers the User Fee for all persons onboard, when affixed to the private boat. (charters excluded)When camping, the pass is only valid for passengers included in and following the itinerary of the vessel.

Join the Isle Royale & Keweenaw Parks Association and Support Isle Royale National Park Programs

The Isle Royale & Keweenaw Parks Association, in partnership with the National Park Service, promotes the public's understanding and appreciation of Isle Royale National Park and Keweenaw National Historical Park through education and research.

By publishing and selling products about Isle Royale National Park and Keweenaw National Historical Park, we educate people about these special places and raise funds that are reinvested in the parks to support research and interpretive programs.

Every year the Isle Royale & Keweenaw Parks Association contributes approximately \$25,000 in cash and in-kind aid to Isle Royale National Park.

YOU CAN HELP....

You can support the work of the Isle Royale & Keweenaw Parks Association and our partner parks by becoming a contributing member of our organization. Your tax-deductible contribution will help us share the stories of Isle Royale National Park and Keweenaw National Historical Park with people of all ages, around the world.

Membership levels are:

Life _____	\$1200	(Payable in 4 installments)
Patron _____	250	See website
Sustaining _____	100	for member
Supporting _____	50	premiums.
Household _____	35	
Individual _____	25	

Member benefits:

- a 10% discount on all purchases from IRKPA outlets and many other National Park Visitor Centers throughout the U.S.,
- three issues of Wolf's Eye newsletter,
- copies of park newspapers, *The Greenstone* and the *Keweenaw Guide*,
- invitations to park programs, trips, and events,
- monthly e-mail park news updates.

Become a member today!

Call us at 800-678-6925, or join online at www.irkpa.org

The Isle Royale and Keweenaw Parks Association:

Offers books and other educational products in visitor centers at Rock Harbor, Windigo, Houghton and Calumet;



Rock Harbor Visitor Center



Produces park signs and brochures;

Invasive species sign.

Conducts field trips and workshops;

Isle Royale Photography Workshop



Provides funding for Isle Royale's Artist-in-Residence Program.

Painting by artist-in-residence Judith Corning



ISLE ROYALE & KEWEENAW PARKS ASSOCIATION PRODUCTS

BOOKS, MAPS & MORE

Your purchases help support Isle Royale National Park!

NEW! (Available May 2011) *Becoming Wilderness: Nature, History, and the Making of Isle Royale National Park* \$12.95

Explore the little-known backstory of how Isle Royale became a national park, and the people and politics behind the decision to make a remote island in Lake Superior the first wilderness national park. Author: Amy Tholen Baldwin

A View from the Wolf's Eye \$12.95

Carolyn Peterson's memoir of her 37 summers on Isle Royale as wife of long-time wolf/moose researcher Rolf Peterson. An uplifting and inspiring chronicle of day-to-day life in a very special wilderness. 102 pages. Author: Carolyn Peterson

Island Life: An Isle Royale Nature Guide \$19.95

A complete guide to the common flora and fauna of Isle Royale in one easy-to-use and easy-to-carry volume. Over 350 species of mammals, birds, fish, reptiles, trees, and flowers, each illustrated with a color photograph or drawing. 168 pages. Authors: Ted Gostomski & Janet Marr

Isle Royale National Park: Foot Trails and Water Routes \$16.95

The park's authoritative trip-planning guide. Complete descriptions for trails and waterways, including mileage, difficulty and amenities at each destination. More than 60 photos and 35 detailed maps of the park's backcountry. 4th Edition. 184 pages. Author: Jim DuFresne

The Wolves of Isle Royale: A Broken Balance \$29.95

This classic first-hand account of the Isle Royale predator/prey study is illustrated with more than 100 photographs. The book reveals the true nature of the little-understood wolf and some of the secrets of this one-of-a-kind research project, now entering its 54th year. 192 pages. Author: Rolf Peterson

NEW!! Ecological Study of Wolves on Isle Royale 2010-2011 \$4.95

This year's report from the winter study on Isle Royale. Includes latest information on the island's wolf and moose populations. Annual Reports from 1987-2010 also available. Authors: Rolf Peterson & John Vucetich

Superior Wilderness: Isle Royale National Park \$16.95

A natural history of Isle Royale for the layperson, emphasizing the ecology of the island, the relationship between its plants, animals and physical environment. Color photographs and an extremely readable text. Maps, photos, charts, illustrations. 171 pages. Author: Napier Shelton

Fishes of Isle Royale \$3.95

This complete fishing guide includes information on the five fish habitats on Isle Royale, a full description of all major species with illustrations, keys to fish identification, and an annotated list of fishes. Charts, maps. 58 pages. Authors: K.F. Lagler & C.R. Goldman

Isle Royale: A Photographic History \$29.95

The history of Isle Royale from early exploration in the 1600s to the birth of the national park as told through historical photos and maps. Chapters: Exploration, Copper Mining, Navigation, Commercial Fishing, Recreation, and Creating a National Park. 160 pages. Authors: Tom & Kendra Gale

Naked in the Stream \$19.95

Thirty-year Isle Royale visitor Vic Foerster records his experience and wonderment in this narrative. Funny and poignant, riveting and heart-thumping, and beautifully illustrated by former Isle Royale Artist-in-Residence Joyce Koskenmaki, this wonderfully crafted book takes an intimate look into what it means to find and revere wilderness. 288 pages. Author: Vic Foerster

Trails Illustrated Map \$11.95

Topographic map includes valuable wilderness tips and Leave No Trace guidelines, along with updated trails, trailheads, points of interest, campgrounds, and much more. Printed on waterproof, tear-resistant material with a plastic coating with one half of the island on each side. Measures 4" x 9" folded and 38" x 25" fully opened. Scale = 1:50,000. Updated 2006.

NOAA Lake Charts \$22.50

Official navigation charts for Isle Royale, Lake Superior, Grand Portage, the Great Lakes, Keweenaw Peninsula, and Portage Canal. Soundings in feet. Folded or rolled. Add \$4.00 for mailing tube if rolled.

Exploring Isle Royale DVD \$21.95

This orientation video produced by the National Park Service shows how to best enjoy the island's many attributes, including its trails, lakes, and campsites. Winner of the 1995 Michigan Outdoor Writers Association Best Outdoor Travel Program. 28 minutes.

Isle Royale Wolf T- Shirt \$16.95

Heather gray heavy cotton short-sleeve T-shirt with new wolf design in tones of black, gray and brown. Adult sizes S to XL.

Special Value Package

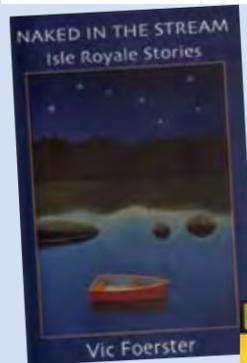
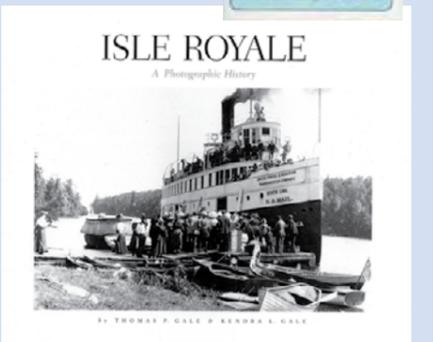
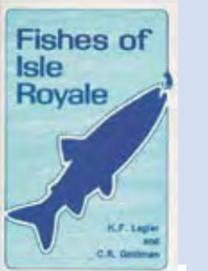
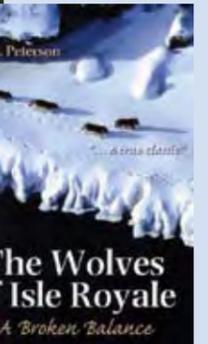
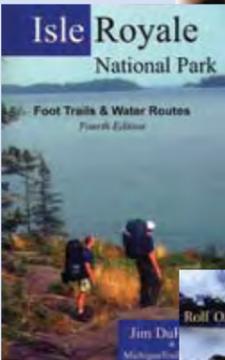
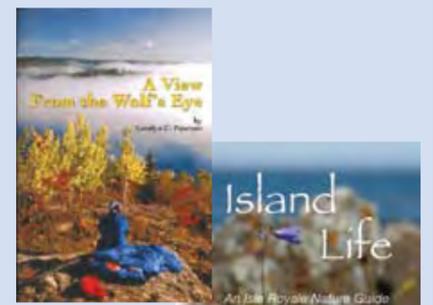
Hiking & Canoeing Package \$29.00

Includes the Trails Illustrated map, the book *Isle Royale National Park: Foot Trails and Water Routes*, and the park checklists of birds, mammals, and rocks.

www.irkpa.org
800-678-6925

IRKPA members receive a 10% Discount on all purchases!

Visit our sales outlets at Isle Royale National Park Visitor Centers, on the waterfront in Houghton, Michigan, and on the island at Rock Harbor and Windigo.



Shipping Charges/US Mail:	
Up to \$5.00	\$3.00
\$5.01 - \$10.00	\$4.00
\$10.01 - \$20.00	\$5.00
\$20.01 - \$30.00	\$7.00
\$30.01 - \$50.00	\$8.00
\$50.01 - \$75.00	\$9.00
Over \$75.00	free
Priority Mail: Add \$4.00	
Additional Charges outside U.S.	