

**NEW BRUNSWICK WILDLIFE TRUST FUND
LIST OF PROJECTS APPROVED
2000**

Miramichi Salmon Association **\$7,500.**
Miramichi Salmon Association Satellite Rearing Assessment

Assessment of the best stocking locations in the brooks and rivers where the fish are to be released. This project will help locate new and better habitat to ensure a higher chance for survival during a salmon's early years of life.

Nepisiguit Salmon Association **\$20,000.**
Nepisiguit Salmon Assessment and Enhancement

Assessment and enhancement of the Nepisiguit and area rivers with a goal of attaining optimum Atlantic salmon returns on a constant basis.

Bartibog Fish & Game Association **\$2,250.**
Little Bartibog Sea Trout Exploitation Study

The objective of this project is to get the knowledge of the impact of harvest on the population of sea trout.

Richibucto River Association **\$10,000.**
Richibucto River Water Quality Improvement

The main objective of this project is to restore and enhance aquatic habitat for salmonids (Brook Trout & Atlantic Salmon) and to decrease fecal coliform levels due to organic loading, prevent any further riverbank deterioration by creating buffer zones thereby curbing sedimentation of river bottoms.

Northumberland Salmon Protection Association **\$16,200.**
Atlantic Salmon Smolt Production from the Northwest Miramichi River

The objectives of this study are to estimate the Atlantic smolt production from the Northwest and Little Southwest branches of the Miramichi in 2000 and to compare the production estimates of smolts to those of 1998 and 1999 and to the parr densities from the previous years.

M.R.S.T. Hatchery Facility **\$8,050.**

To develop a source of eggs, unfed fry and feeding fry for incubation boxes and satellite rearing facility at their site at Kedgwick River.

Club chasse et pêche Grande Rivière Rehabilitation of the Big Tracadie River **\$20,000.**

To establish an action plan for the management of the various tributaries of the Big Tracadie River.

Southeastern Anglers Association Southeastern Watershed Enhancement Project **\$15,000.**

To increase salmonid populations by enhancing the quantity and quality of fish habitat; to reduce surface erosion by building cow fencing and planting trees and seed to restore the buffer zones; and to continue an intensive habitat restoration project by using cost effective restoration devices which will restore the natural hydrology pattern of each stream.

Université de Moncton and Sénateurs et Sénatrices de l'Environnement de Cap Pelé Rehabilitation of the habitat of Friel Brook in Cap-Pelé **\$10,000.**

Citizen group that wants to plant more trees, protect the marsh and enhance the brooks (especially Friel), with a view to restoring trout habitat.

Miramichi Watershed Management Committee Inc. Miramichi River Salmon Enhancement – Salmon Stocking 2000 **\$25,000.**

The objective of the project is to stock juvenile salmon in areas of the Miramichi River not meeting conservation targets, to assist in maximizing the number of returning adult salmon.

Club Loisir de la Rivière Caraquet Inc. Restoration of the fish habitat **\$9,000.**

To restore the salmonidae habitat in Serbys Brook, de la Corne Brook and Séverin Creek

Comité Sauvons nos Rivières de Néguaac **\$10,000.**
Restoration Project for McKnight Brook and the
Rivière-des-Caches in the village of Néguaac

The first objective is to complete the restoration of McKnight Brook. The second objective is to assess, clean waste, identify sedimentation locations and start the restoration of the Rivière-des-Caches.

Association Chasse et Pêche Haut Vallée St-Jean **\$16,000.**
Upper St. John River Brook Trout Population Assessment

This project is to assess brook trout populations in tributaries of the Upper Saint John River.

Tabusintac Fish and Game Association **\$10,000.**
Juvenile Salmonid In-stream Production in the Tabusintac River

To determine densities and PHS of juvenile salmonids; determine habitat preferences; assess the extent of brook trout and Atlantic salmon angling in the public section of the Tabusintac River.

Charlo Salmonid Enhancement Centre Inc **\$25,000.**
Charlo Salmonid Enhancement Centre

Funding to operate the Charlo Hatchery.

Miramichi Headwaters Salmon Federation **\$5,000.**
Satellite Rearing Facility

To operate the satellite facility and to introduce up to 26,000 fingerlings to the area streams.

Nackawic Senior High School **\$3,000.**
Evaluation of Fish Populations and Habitat in Pokiok Stream

To determine what fish species currently inhabit the stream, as well as the density of each species.

Fredericton Fish & Game Association Inc. **\$4,500.**
Nashwaak River Fish Survey

To evaluate fish populations and conduct fish habitat assessment on two tributaries of the Nashwaak River: Narrows Mountain Brook and Penniac Stream.

**New Brunswick Wildlife Federation
Fish Habitat Conservation**

\$5,000.

The New Brunswick Wildlife Federation will undertake an educational program to inform their member clubs and other interested groups of the importance of fish habitat preservation with a goal toward reducing the degradation of the watercourses.

**ACAP Saint John
Hazen Creek Recovery Program**

\$15,000.

The objectives of this project are: to improve the quality of habitat along two sections of Hazen Creek using in-stream structures; to improve the quality of habitat along Hazen Creek by improving the riparian zone; to link this stream improvement initiative to existing trail systems and promote these efforts; to educate the community on the possibilities to improve and protect their urban streams; and to work with industries in the Grandview and McAllister Industrial Parks to educate them on the importance of protection the surrounding streams.

**NB Council of the Atlantic Salmon Federation Inc.
Development of an Equipment Pool of Rotary Screw
Traps for the Province of New Brunswick**

\$14,400.

To purchase a Rotary Screw Fish Trap for use on New Brunswick rivers.

**ASF/Tobique Salmon Protective Association Inc.
Smolt Wheel for the Tobique River**

\$14,400.

To purchase one Rotary Screw Fish Trap for priority use on the Tobique River.

**Tobique Salmon Protective Association Inc.
St. John River Downstream Smolt Migration Study 2000**

\$18,285.

The objectives of this project are to monitor the autumn emigration of presmolts from the Tobique River system; to assess the initial timing and duration of emigration and the environmental conditions that influence the fish movements; to tag and release presmolts above and below each of the three reservoirs to assess the feasibility of a trap and truck program for presmolt around the dams.

**Magaguadavic River Salmon Association
Atlantic salmon recovery program in the Magaguadavic River**

\$2,000.

To reverse the salmon's downward trend, by identifying impacts and finding solution for them.

Atlantic Salmon Federation/Magaguadavic River Salmon Association/EST (Eastern) Ltd **\$12,000.**
Bay of Fundy Salmon – A species at Risk

To develop a live gene bank of Bay of Fundy salmon (Planning phase only).

Gestion du saumon de la Restigouche et ses tributaires **\$3,735.**
Restoration of the Petite Main River

The objective of the project is to eliminate vehicle crossing of the Petite Main River

NB Cooperative Fish & Wildlife Research Unit, UNB **\$21,000.**
Providing better tools for managing brook trout in New Brunswick

The objectives of the project are to assemble data for brook trout populations and habitats in New Brunswick; to complete data set with additional field collections as required; to develop mathematical models of trout production and management options; and through NB DNRE, deliver the model to user groups in government, local conservation organizations, and the private sector.

TOTAL FOR FISHERIES RELATED PROJECTS: \$397,620.

MRDC FUNDS

Jonathan Creek Committee **\$10,130.**
Fish Habitat Restoration Project

To create physical fish habitat by restoring the physical characteristics of the streambed, to the shape they were in prior to human interference.

Kennebecasis River-Watershed Restoration Committee **\$20,000.**
Millstream River Restoration Project

The objectives of this project are to enhance the fish habitat and improve the water quality and temperature of the Millstream Watershed.

**Atlantic Salmon Museum – NB Aquatic Resource
Data Warehouse** **\$5,000.**
**Incorporation of Pipeline and Highway EIA Data into the
NB Aquatic Resources Data Warehouse**

To incorporate into the NB Aquatic Resources Data Warehouse fish population and stream survey data collected during environmental impact studies (EIAs) for the Trans-Canada highway.

Kennebecasis River – Watershed Restoration Group **\$89,000.**
Smith Creek Stream Restoration Project

The restoration of Smith Creek and its tributaries with the ultimate goal of enhancing the fish habitat and improving the water quality. The proposed activities, such as fencing and stream bank stabilization, will help restore the riparian vegetation to prevent further erosion and overwidening of the stream. The newly established riparian zones will play an important role in reducing water temperatures, trapping nutrients and sediments, and providing cover for fish.

TOTAL FOR MRDC FUNDS – FISHERIES PROJECTS: \$124,130

Northumberland County Woodlot Owners Association **\$18,000.**
**Deer Wintering Area Management on Miramichi
Watershed Private Woodlots**

To monitor the large Deer Wintering Area previously identified (1999), including those at risk due to high population numbers and overbrowsing, and locate the smaller Deer Wintering Areas, particularly on the south side of the Miramichi watershed.

The Ruffed Grouse Society of Canada **\$15,000.**
Southwestern Grouse Habitat Rehabilitation

They want to rehabilitate abandoned apple orchards and silviculturally treat trembling aspen in order to increase food supplies to grouse and other wildlife.

New Brunswick Wildlife Federation **\$50,000.**
Outdoor Heritage Education Program

To promote knowledgeable, safe and ethical youth participation in fish, wildlife and habitat conservation and in outdoor recreational opportunities.

New Brunswick Wildlife Federation **\$32,500.**
NB Waterfowl Hunter Education Program – Phase 2

The objectives of the project are to develop six teaching units for ages 13-17; to deliver this program to 15 schools or youth programs; to deliver waterfowl hunting workshops for young hunter; and to coordinate a Waterfowl Hunting Heritage Day in September.

Sussex Fish & Game Association **\$15,000.**
Ruffed Grouse Habitat Rehabilitation Project

To conserve apple trees, while creating habitat and a natural food source to preserve and enhance Ruffed Grouse populations and as well as diversity of animal populations.

Atlantic Cooperative Wildlife Ecology Research Network, UNB **\$10,400.**
Viability of the Common Eider Population

The objectives are to measure juvenile survival and age of first breeding in NB eiders in the Bay of Fundy; and to characterize the extent of genetic variation within and between Common Eiders throughout the breeding range of *Somateria mollissima dresseri*.

Ducks Unlimited Canada **\$20,000.**
Open Marsh Water Management – St. John River Floodplain

The objective of this project is to provide critical, waterfowl brood-rearing habitat in portions of the St. John River floodplain that are largely dry during the mid-summer period.

Ducks Unlimited Canada **\$15,000.**
Wetland Conservation Education Program

The opportunity for “Adopt-A-Class” across New Brunswick to participate in a number of regional “Field Days” trips to wetlands in their community; the staffing of the Adopt-A-Class Field Days Program and the enhancement of materials and equipment required to deliver the Field Days Program.

Maritime Atlantic Wildlife **\$6,400.**
Wildlife Rehabilitation Support

To provide financial support for the purchase of rehabilitation equipment and complete construction of medical barn facility.

Northumberland County Woodlot Owners Association **\$33,000.**
Deer Wintering Area Management on Miramichi Watershed Private Woodlots (Year 3)

The main objective for Year 3 is to expand and manage other deer wintering areas located within Northumberland County.

Canaan River Fish & Game Association **\$1,000.**
Clean Up the Community Project

To build garbage bins and place them at the end of main roadways going into groups of camps.

Atlantic Cooperative Wildlife Ecology Research Network **\$8,500.**
Brood Rearing Habitats of Common Eiders

The purpose of this project is to determine not only the locations used by eider broods, but also the characteristics determining those locations levels.

Maritime Atlantic Wildlife **\$5,000.**
Birds of Prey: Phase Two

To improve existing aviary for rehabilitation of birds of prey.

Communauté en action pour la protection de la faune et de son habitat **\$30,000.**
Recovery Plan for White-tailed Deer in Wildlife Management Zone (WMZ) 1

The objectives of this project are: to obtain scientific data on deer yards (private and Crown) in WMZ 1; to assess winter mortality and lower deer mortality rates caused by coyotes; to provide information for restoring winter deer yards; to prevent deer starvation by developing an emergency feeding program under DNRE supervision; to inform trappers about modern, humane trapping techniques and ways to minimize impact on lynx; and to develop and promote the project to the public.

NB Wildlife Trust Fund **\$10,000.**
Province Wide Hunter Education Youth Program

To provide all youths throughout the province interested in taking Hunter Education and Firearm Safety Course between the ages of 13 and 16 with the manuals required to take the course.

TOTAL FOR WILDLIFE PROJECTS: \$269,800

New Brunswick Trappers and Fur Harvesters Federation **\$15,000.**
Trapper Education School Program (Phase 2)

The objectives of this project are to organize 12 training workshops to familiarize NBTFFH members with the program and to develop a field day program.

New Brunswick Trappers and Fur Harvesters Federation **\$25,000.**
Track Transect Development **(Deferred)**

To establish 36 new transect lines and to strengthen a framework of wildlife management tools, which are used to solidify management decisions on a species basis throughout the province of New Brunswick.

TOTAL FOR 2 TRAPPING PROJECTS: \$40,000.00

Marc Mazerolle/Kouchibouguac National Park **\$4,500.**
Movements and Reproduction of Amphibians in Fragmented
Peat Landscapes

The overall objective is to ascertain the impact of drainage channels on amphibian populations in developed peat bogs and the importance of peatland ponds in these landscapes.

The Nature Conservancy of Canada **\$19,000.**
Dorchester Cape Shorebird Reserve – Land Acquisition

To purchase Courtney and Gail Tower property in order to protect shorebirds, waterfowl and other wildlife in the area by securing strategic shorebird roosting beaches, adjacent uplands, salt marshes and other coastal habitats, in order to consolidate the area of land protected.

Comité de gestion de la Réserve de la pointe Daly **\$5,000.**
Establishment of new populations of the Endangered Maritime Ringlet Butterfly

To monitor population numbers of the Maritime Ringlet in the salt marsh complex near the Historical Acadian Village and Bas Caraquet.

Atlantic Canada Conservation Data Centre **\$15,000.**
Saint John River Valley Rare Species Inventory

This project proposes to conduct surveys for plant and animal species, and plant communities of conservation concern along the river corridor between Grand Lake and the mouth of the Tobique River at Perth-Andover.

Donald McAlpine, NB Museum **\$8,500.**
Incidence of limb deformities in NB frog populations

To establish base-line data on frog deformities in the context of continent-wide concern and monitoring of these species.

Marc-André Villard, UdeM **\$6,000.**
Assessment of long-term effects of silviculture on the Pileated Woodpecker in Northwestern NB

The objectives of this project are: 1) to determine the proximate effects of forest harvesting on habitat occupancy and foraging patterns of Pileated Woodpeckers; 2) to compare foraging substrates used in the winter and summer; 3) to identify the critical requirements for microhabitat and macrohabitat of the species; and 4) to make specific recommendations to encourage or discourage certain forestry practices.

Fondation pour la protection des sites naturels de l'Île Caraquet Inc. **\$12,000.**
Caraquet Island – A Natural Science Handbook In the Great Outdoors

Census of butterflies, moths and beetles to determine abundance and distribution with respect to micro-habitats, and to educate the public about the importance of these insects for health of ecosystems.

Stillwater Coalition **\$8,500.**
An Inventory of the Insects of the Stillwater Watershed, An Ecologically Sensitive Area

To sample the Butterflies and Moths and selected families of beetles in the Stillwater Watershed and identify those areas within the watershed with the greatest assemblages of rare and/or habitat specialists.

Conservation Council of New Brunswick **\$10,000.**
Status of Oyster Reef habitat in New Brunswick

The objective is to produce an ecological status report on oyster reefs in eastern New Brunswick.

The Nature Conservancy of Canada **\$18,000.**
Site Restoration and Monitoring of Tabusintac Lagoon and River Estuary

To ensure that the ecological integrity and biodiversity of the natural area is appropriately maintained, conditional that the access will not be denied to hunters during the hunting season.

NB Federation of Naturalists/Piper Project **\$10,000.**
Endangered Species Education Kit and incorporation of Endangered species into French and English Science Curriculum for New Brunswick

To gather all information on endangered species in New Brunswick and put it together into a kit for schools. Develop a poster of endangered plants and another for endangered species in general. Work with Dept. of Education and incorporate endangered species into the curriculum for New Brunswick.

L'Éco-centre Irving-La Dune de Bouctouche **\$6,000.**
Inventory of the piping plover in southeastern New Brunswick

This project proposes to create a team to monitor and protect the piping plover in southeast New Brunswick.

L'Éco-centre Irving – La Dune de Bouctouche **\$2,500.**
Inventory of rare and endangered species along the Acadian Coast

The objectives are to determine if the gulf of St. Lawrence Aster and the Maritime Ringlet Butterfly are present on the east coast of New Brunswick (Kent Co), to record presence of three other species of rare butterfly and plant, to mark sites using GPS and to make management recommendations to the managers of Kouchibouquac and Irving Nature Parks.

The Nature Trust of New Brunswick **\$15,000.**
The Rare Arctic Flora of Minister's Face, Long Island

The project to secure land on Minister's Face has three objectives: to conserve the habitat of the rare arctic flora which exists on Minister's Face; to prevent incompatible future developments on the lands themselves and in the general vicinity of Minister's Face; and to make the property available for public access, education and scientific research, in perpetuity.

Atlantic Canada Conservation Data Centre **\$7,500.**
Compilation of Occurrence Information on New Brunswick Species at Risk

Compilation of existing data on rare species in the province (mammal, bird, amphibian, reptile, vascular plant, freshwater fish odonate and butterfly occurrence).

Woodstock Rotary Club **\$7,500.**
Meduxnekeag Valley Nature Preserve

The primary objective of this project is to fund the purchase of 148 acre property and construct a low-impact trail system with educational signage and interpretation centre, to preserve and protect a key patch of Appalachian Hardwood Forest for future generations.

Greater Fundy Ecosystem Research Group **\$15,000.**
Habitat Requirements of Forest Birds

To assess relationships between density and productivity of selected bird species, and forest type and landscape configuration; to determine aspatial and spatial (patch size) habitat relationships of avian indicator species (DNRE's indicators); and to possibly recommend new indicators to DNRE.

National Water Research Institute and NB Cooperative
Fish and Wildlife Research Unit, UNB **\$18,200.**
Development of a Cumulative Effects Assessment Strategy for the Saint John River

To assess the health of the Saint John River and suggest the best management options.

Club de naturalistes de la Péninsule acadienne **\$9,000.**
Construction of Interpretation Panels for an Observation Tower on Miscou Island

To manufacture three interpretation panels that will inform the general public about some of the birds commonly found on the island.

TOTAL FOR BIODIVERSITY PROJECTS: \$197,200