

**NEW BRUNSWICK WILDLIFE TRUST FUND  
LIST OF PROJECTS APPROVED  
2001**

**Le Club Chasse et Pêche Grande Rivière Inc.  
Habitat Inventory – Phase II** **\$20,000.**

The main goal of this project is to complete the habitat assessment on the Big Tracadie River in an attempt to determine how to enhance the Atlantic salmon and brook trout populations.

**Belledune Regional Environment Association Inc.  
Jacquet River Atlantic Salmon Conservation Project** **\$7,500.**

The objectives of this project are 1) to maximize the survival of early run Atlantic salmon through protection in order to improve spawning success and to sustain the salmon resources of the Jacquet River; 2) to allow the collection of valuable data used to assist in the establishment of conservation targets as well as identification of acceptable harvest rates and; 3) to provide opportunities for educational and awareness activities.

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

To restore the salmonidae habit in the following three watercourses: Bertrand, Goose Lake and Innishannon.

**Association des Loisirs, Chasse et Pêche de la Rivière Pokemouche Inc.  
Restoration of the Fish Habitat** **\$9,000.**

To restore the salmonidae habitat in the following three watercourses: Cowan's Creek, Newton and Fidèle.

**Nepisiguit Salmon Association  
Nepisiguit Salmon Assessment & Enhancement** **\$15,000.**

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

**Comité Sauvons nos Rivières de Néguaac  
McKnights Brook and Rivière-des-Caches Restoration Project in Néguaac \$10,000.**

The objectives of this project are: 1) to contact the residents and landowners to inform them about the work and the project, and also get their permission for access to their land; 2) to do a clean-up of Rivière-des-Caches; 3) to do a quality study of the water to determine the effluent of the wastewater treatment system used by the municipality; 4) to make a path in a certain location along the watercourse so as to get access to the river; 5) to carry out electrofishing to determine the population and species of fish found in this river; and 6) to raise awareness of the public and the various groups and schools.

**Tabusintac Fish & Game Association  
Atlantic Salmon Smolt Production in the Tabusintac River, N.B. \$12,000.**

The project objectives are to estimate the Atlantic salmon smolt production; to determine current status of striped bass spawning in the estuary; to evaluate juvenile abundance through survey – densities and PHS; to perform an angler survey in the public section of the river to determine the extent of brook trout and Atlantic salmon angling; and to continue water temperature monitoring survey.

**Miramichi Watershed Management Committee Inc.  
Miramichi River Salmon Restoration – Stocking 2001 \$30,000.**

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

**Northumberland Salmon Protection Association  
Atlantic Salmon Smolt Production from the Northwest Miramichi River \$16,500.**

The objectives of this study are to estimate the Atlantic salmon smolt production from the Northwest Miramichi in 2001 and to compare the production estimates of smolts to those of 1998, 1999 and 2000 to the parr densities from the previous years.

**Miramichi Salmon Association Inc.  
Miramichi Salmon Association Electrofishing Program \$9,000.**

To determine areas best suited for stocking as a result of low juvenile densities and to assess the Satellite Rearing Project and Hatchery Programs by identifying adipose clipped parr.

**Omer Chouinard, Université de Moncton and Omer Brun, des Sénateurs  
et Sénatrices de l'environnement de Cap Pelé Inc.  
Revitalization of the Fish Habitat in Friel Brook in Cap-Pelé \$10,000.**

Stimulated by the experience of the first stage of habitat rehabilitation, the residents are committed to this third phase (installation of single digger logs and deflectors), which should help to narrow the flow of the brook and strengthen the hydrology by removing sediment.

**Southeastern Anglers Association  
Assessment of Salmonid Populations and Habitat after the Implementation of a  
Five-Year Restoration Project in Southeastern New Brunswick \$15,000.**

The objectives are to re-evaluate where habitat restoration projects were completed in the past years; to determine the relative importance of selected physical and chemical characteristics for various tributaries, a reconnaissance stream survey will be compared to the compiled database; to assess relative densities for different species and for salmonid age classes, an electro fishing survey will be accomplished in restored and non restored sites and compared to the compiled baseline information and; to assess the health of the rivers or streams, the presence or the absence of certain aquatic invertebrates will shed some information on the health of fish habitats.

**Dr. Matthew K. Litvak, University of New Brunswick  
Ecology and status of the Atlantic and Shortnose Sturgeon  
on the Saint John River System \$8,000.**

To evaluate the status and develop protection and/or recovery plans for sturgeon in the Saint John River they need: to determine population size, structure and growth rates; to define spawning and overwintering habitat; to examine larval and juvenile behaviour and distribution mechanisms; to determine larval and juvenile habitat use (model) and; to develop protocols for mass rearing (if necessary).

**Big Salmon River Angling Association  
Big Salmon River Brood Stock Pedigree Project \$15,000.**

The objectives of this project are to determine a complete genetic profile of all individual Big Salmon River brood stock held at Minto; to provide a broodstock spawning plan and to provide a long-term egg source for enhancement of for Big Salmon River.

**ACAP Saint John  
Mackin Brook Habitat Reatoration \$10,000.**

The project objectives are to: coordinate a volunteer-based clean up of the litter in the urban streams of the Saint John area; improve the quality of habitat along a section of Hazen Creek using in-stream structures; improve the quality of habitat along Hazen Creek by improving the riparian zone; and inform and involve the community in improving and protecting the urban streams.

**Fredericton Fish & Game Association  
Penniac Stream Habitat Improvement \$5,000.**

To improve the aquatic habitat and water quality by reducing the suspended solid load through bank stabilization.

**Atlantic Salmon Federation  
Southwestern New Brunswick Rivers Recovery Program, with emphasis on the  
Magaguadavic River \$30,000.**

The objectives of this project are to immediately boost the Atlantic salmon population in the Magaguadavic river with supportive rearing; to identify the causes of the mortality of Magaguadavic smolts at sea; and to expand existing monitoring program to other “orphan” rivers in area.

**Gestion du saumon de la Restigouche et ses tributaires  
MSRT Hatchery Facility \$7,000.**

The main goal of this project is to develop a source of eggs, unfed fry and feeding fry for incubation boxes and the satellite rearing facility at Kedgwick River.

**Charlo Salmonid Enhancement Centre Inc.  
Charlo Salmonid Enhancement Centre \$30,000.**

The funding will be for the operation of the hatchery.

**Tabusintac Watershed Association  
Restoration of Cove Brook, Tabusintac \$4,000.**

To improve the health of the system by using deflectors and digger logs to stabilize banks, increase oxygen, maintain ideal temperature, scour sediments, and create pools and resting areas.

**Miramichi River Environmental Assessment Committee  
Bank Stabilization (Re-vegetation) of the Little Southwest Miramichi \$4,000.**

To complete restoration of the “Cave-in” site by re-vegetating the banks above the armour stones.

**Tabusintac Fish & Game Association  
Ichthyoplankton Survey of the Tabusintac Estuary, NB \$3,840.**

The objectives are to determine the species of fish using the Tabusintac Estuary as a nursing area and to identify spatial and temporal occurrence of the Ichthyoplankton species.

**NB Aquatic Resources Data Warehouse  
Compiling and Preserving WTF Fisheries Project Data \$20,000.**

The objective is to demonstrate the value of investing in the maintenance of WTF funded fisheries data, thereby increasing the value of the original investment.

**Richibucto River Association  
Richibucto River Water Quality Improvement 2001 \$16,600.**

The main objective of this project is to decrease fecal coliform level due to organic loading by fencing in cattle; prevent any further deterioration of riverbanks caused by cattle activity; restore eroded riverbanks by planting trees that also provide shading in streams; reintroduce vegetation by grass seeding; and create alternate watering methods by restoring natural-flowing springs.

**Mill Creek Watershed Group  
Mill Creek Bank Stabilization/Habitat Improvement Project \$8,000.**

To stop erosion, to stop sedimentation and to increase the amount of healthy fish habitat within the Mill Creek and it’s tributaries.

**Miramichi Headwaters Salmon Federation  
Satellite Rearing Facility & Environment Enhancement \$10,000.**

To enhance the population of sea run trout in the headwaters of the Southwest Miramichi.

**Shepody Fish & Game Association  
Crooked Creek Fish Population Assessment \$1,500.**

The objective is to establish baseline fish population data.

**Miramichi Watershed Management Committee Inc**  
**Operation of the North Branch – Southwest Miramichi River**  
**Atlantic Salmon Barrier** **\$15,000.**

The operation of the barrier serves two purposes. It allows for the protection of Atlantic salmon from poaching, and provides an opportunity to enumerate salmon and trout for the purpose of better managing these species.

**Hammond River Angling Association**  
**Hammond River Watershed Youth Conservation Day Camp** **\$20,000.**

To provide an education but also fun experience for kids who might not be fortunate enough to be involved in a camp of this nature.

**Association des chalets de la Rivière-Verte**  
**Cleaning and upgrading of the Left Hand Branch of the Little Forks of**  
**Green River Watershed** **\$10,000.**

To facilitate the traveling of the breeding stock to the large and best spawning areas in the upper stretch of the brook.

**Tobique Salmon Protective Association Inc.**  
**St. John River Downstream Smolt Migration Study 2001** **\$16,000.**

The objectives of this project are to monitor the autumn emigration of presmolts from the Tobique River system; assess the initial timing and duration of emigration and the environmental conditions that influence the fish movements; 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.

**New Brunswick Wildlife Federation**  
**Fish Habitat Conservation** **\$2,000.**

The project objective is to undertake an educational program to inform club members and other interested groups of the importance of fish habitat preservation with a goal toward reducing the degradation of our watercourses.

**Sub-Total for these Fisheries Projects** **\$398,940.**

**Kennebecasis Watershed Restoration Committee  
Smith Creek Restoration Project** **\$90,000.**

To restore riparian vegetation to prevent further erosion and over-widening of the stream on the lower portion of the Smith Creek watershed and to evaluate the state of the riparian zone and to identify erosion problems and sediment and nutrient inputs.

**Jonathan Creek Committee  
Fish Habitat Restoration Project** **\$18,000.**

The objectives are to complete the habitat restoration of Jonathan Creek and to restore the health of Jonathan Creek allowing the re-establishment of a viable population of salmonids.

**Kennebecasis Watershed Restoration Committee  
Millstream River Restoration Project** **\$30,000.**

The main objective of this project is to continue the restoration work on the Millstream Watershed to enhance the fish habitat and improve the water quality and temperature. Another objective will be to inform the landowners and help them establish best management for their farms and land.

**Sub-Total for these Fisheries Projects Covered by MRDC Funds** **\$138,000.**

**TOTAL FOR THE FISHERIES RELATED PROJECTS: \$536,940.**

**New Brunswick Wildlife Federation  
Outdoor Heritage Camp Program** **\$48,650.**

The immediate objectives of this project are to educate and certify youth 13-16 years in fishing, wildlife, trapping and biodiversity activities and provide required certification courses.

**New Brunswick Wildlife Federation  
Youth Waterfowl Hunter Education Program Conservation  
Through Education** **\$33,000.**

To continue development and delivery of a series of teaching units to education student ages 13-17 about wildlife ecology and conservation; to format the high school education program for delivery in Francophone schools throughout the Province and to offer two "Waterfowler Heritage Day" events in New Brunswick in the fall of 2001.

**Ducks Unlimited Canada  
Wetland conservation Education Program \$20,000.**

The opportunity for “Adopted Classes” across New Brunswick to participate in a number of regional “Field Days” trips to wetlands in their community.

**Carvell Crandlemire  
Mount Pleasant Wildlife Rehabilitation \$3,750.**

To provide financial support for the purchase of food in rehabilitation of fawns and birds of prey.

**S.N.B. Wood Co-op Ltd.  
Deer Wintering Area Survey \$10,000.**

There are two main objectives of this project. The first one is to identify and map the areas that deer are currently using as wintering areas in the S.N.B. area. The second objective will be to provide this information to the New Brunswick DNRE and the private woodlot owners in the S.N.B. area so that those interested in maintaining or improving the current deer population can better manage those important areas.

**Atlantic Cooperative Wildlife Ecology Research Network, UNB  
Viability and Brood-Rearing Habitat of Common Eiders \$18,000.**

To measure juvenile survival and age of first breeding in NB eiders in the Bay of Fundy and to determine the locations used by eider broods and the characteristics determining those locations.

**Apple Growers of New Brunswick  
Deer Exclusion from Orchards \$13,000.**

This project objective is to modify deer behaviour to exclude from depredation of apple trees.

**Belledune Regional Environment Committee  
Public Awareness Campaign to Reduce Moose Vehicle Collisions \$5,000.**

To install a sign approved by DOT.

**Maritime Atlantic Wildlife  
Critical Care and Nursery, Wildlife Rehabilitation Bard \$7,650.**

To complete the primary wildlife rehabilitation facility.



**The Chigneto Soil and Crop Association**  
**Working Towards Integrated Land Use to Benefit Wildlife and Agriculture**  
**In the Tantramar Dykelands** **\$15,000.**

The objectives of this project are to improve riparian habitat, to restore wetland habitat on dykelands, to inform farmers of management practices that enhance or create fish and wildlife habitat in a matter compatible with sustainable farming.

**Sussex Fish and Game Association**  
**Ruffed Grouse Habitat Restoration Project** **\$10,000.**

Restoration of abandoned apple orchards, while creating habitat and a natural food source to preserve and enhance ruffed grouse populations and a diversity of other wildlife in the Sussex region and Fundy Model Forest.

**Northumberland County Woodlot Owners Association**  
**Deer Wintering Area Management on Miramichi Watershed**  
**Private Woodlots** **\$30,260.**

To continue year 4 of a five year pilot project to develop a process where management plans for individual deer wintering areas (DWA) are created on private land using a process similar to that for Crown deer wintering areas.

**Tantramar Wetlands Centre**  
**Experience Wetlands Education** **\$10,000.**

The project objective is to promote wetland conservation by improving public awareness, understanding and appreciation of wetland ecosystems through the direct participation of thousands of visitors in experiential educational programs designed to excite as well to inform.

**The Ruffed Grouse Society of Canada**  
**Drummer Ridge** **\$10,000.**

To develop up to 1000 acres of private forested land into prime habitat for ruffed grouse, woodcock, deer and songbirds associated with young forest. The site would serve as a demonstration area for the Ruffed Grouse Society "Coverts" program on how forestlands can be managed to provide economic and wildlife benefits.

**Ducks Unlimited Canada**  
**Sunpoke Marsh Conservation Project** **\$22,500.**

The objective of this proposal is to restore 66 acres of critical wildlife habitat.

**Ducks Unlimited Canada  
Norton Ponds**

**\$7,300.**

To restore the wetland component and manage the entire 36 acre parcel of land for wildlife.

**Sussex Fish & Game Association  
Shooting Range Upgrade Project**

**\$3,200.**

To make improvements to the Sussex Fish & Game range facility. Two areas of improvement have been identified to prevent inadvertent entry to closed areas and crowding at shooting stations: heightening of berms and installation of fencing.

**C.A.P.F.H. (Communauté en Action pour la Protection de la Faune et de son Habitat  
White-Tailed Deer Restoration Plan, WMZ #1, Phase II**

**\$30,000.**

The objectives of this project are to seek and identify new wintering areas; to do a habitat inventory; help landowners to plan deer habitat management on their woodlots; to continue the awareness program; to continue research on the causes of deer mortality; to protect the deer in deer yards against predators; to continue trappers education in the use of modern, humane techniques; and to emphasize the contribution of partners.

**La Coalition des Coureurs des eaux et forêt du Nord-Ouest  
Northern Stakeholders Coalition for the Deer Herd Recovery**

**\$15,000.**

To plan anti-poaching programs with workshops and advertising.

**Mark M<sup>c</sup>Garrigle, UNB  
Analysis of an Inventory Technique for Estimating White-Tailed Deer  
Populations in New Brunswick**

**\$6,740.**

The objective of this project is to look at the how group size and habitat type affect sighting probability of white-tailed deer in New Brunswick using the Potvin aerial survey technique.

**NB Wildlife Trust Fund  
Province Wide Hunter Education Youth Program**

**\$12,780.**

To provide all youth throughout the province interested in taking the Firearm Safety/Hunter Education course, Trapper course, or the Bowhunter course between the ages of 13-16 with the required manuals to take the course.

**TOTAL FOR THESE WILDLIFE RELATED PROJECTS: \$331,830.**

**Claude Samson, UdeM Edmundston  
Plantation Management to Improve the American Marten Habitat \$20,000.**

The project has two objectives: evaluate the extent to which the lack of shelters in plantations is injurious to the survival and reproduction of individuals and for the maintenance of the population and develop methods of building shelters in plantations in order to meet the marten's habitat needs.

**TOTAL FOR THIS TRAPPING RELATED PROJECT: \$20,000.**

**Association pour la protection des dunes de Beau Rivage  
Protection of Wildlife habitat in Beau Rivage \$10,000.**

The main goal is to protect the sand dunes and the salt marsh habitat of the Beau Rivage area by: erecting new snow fencing to stabilize the dunes; repairing the damage to the ATV barricade and installing a pedestrian boardwalk to provide access to the beach.

**New Brunswick Cooperative Fish and Wildlife Research Unit  
Roosting Ecology of Forest-Dependent Northern Long-Eared Bats in N.B. \$7,500.**

To determine roosting ecology of the forest-dependant long-eared bat.

**Grand Manan Whale & Seabird Research Station  
A Plan for Seabird Monitoring in the Grand Manan Archipelago \$15,000.**

The objective of this project is to initiate a long-term monitoring study that will identify important seabird habitat and provide measures of seabird colony health (nesting success, diversity, censuses) that can be used as baseline for future changes in the Bay of Fundy.

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

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 and to possibly recommend new indicators to DNRE.

**The Nature Conservancy of Canada  
Johnson's Mills Shorebird Reserve Stewardship and Education Program      \$20,000.**

The objective of the Johnson's Mills Shorebird Reserve Stewardship and Education Program is for the Conservancy to guide stewardship and educational initiatives that would act to limit the increasing human disturbance to the shorebirds inhabiting the tidal flat ecosystem at Johnson's Mills, while at the same time enhancing the ecotourism experience for the area's many visitors.

**Marc-André Villard, UdeM  
Assessment of Long-Term Effects of Silviculture on the Pileated  
Woodpecker in Northwestern New Brunswick      \$7,500.**

The specific objectives 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 this species and 4) to make specific recommendations to encourage or discourage certain forest practices.

**Coalition Stillwater  
An Inventory of the insects of the Stillwater Watershed,  
an Ecologically Sensitive Area. Final Phase      \$3,000.**

To sample for rare Lepidoptera in the Stillwater Watershed and identify those areas within the watershed with the greatest assemblages of rare and/or habitat specialists.

**Éco-Centre Irving and Parc National Kouchibouguac  
Inventory updating Odonata in Kent County, N.B.      \$7,800.**

The objectives of this project are to determine the species of Odonata present in Kent County, to locate sites on a map, to suggest management methods for "at risk" species found and to distribute the results.

**Marc Mazerolle/Kouchibouguac National Park  
Use of Drainage Canals by Amphibians: Movement Corridor,  
Reproduction Site or Ecological Trap      \$4,500.**

To determine whether the amphibians reproduce in the drainage canals; to determine whether the amphibians use the drainage canals to move from one environment to another and to determine whether the amphibians that are in the canals can get out.

**Daly Point Management Committee**  
**Establishment of New Populations of the Endangered**  
**Maritime Ringlet Butterfly** **\$4,160.**

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

**Club de naturalistes de la Péninsule Acadienne**  
**Inventory and Assessment of Heron Nesting Areas in the Acadian Peninsula** **\$3,815.**

Inventory the existing heron colonies in the Acadian Peninsula, map colonies, assess available habitat and plant trees to restore habitat at Muskrat Point.

**Atlantic Canada Conservation Data Centre**  
**Advancement of Species Conservation Data for New Brunswick** **\$20,000.**

The project objectives are to establish S Ranks for freshwater mussel, crayfish, dragonfly and damselfly species; to generate new EO records for freshwater mussel, crayfish and dragonfly and damselfly species of conservation concern and to distribute and share the data with AC CDC clients to improve decision-making.

**The Nature Conservancy of Canada**  
**Tabusintac Lagoon & Estuary – Landowner Contact Project** **\$20,000.**

Establishment of a landowner contact program for the area to identify properties that are available for sale; potential donations; easement possibilities and/or stewardship agreement possibilities. To contact owners of an additional 3000 acres of significant habitat within the Tabusintac Lagoon & Estuary and to protect a minimum of an additional 300 acres, within a one-year period.

**Fundy Region Solid Waste Commission**  
**Flora Inventory Study: A Habitat Management Tool for the Development of an**  
**Environmental Science Park at Crane Mountain** **\$10,000.**

Inventory of plants and bryophytes of the forested part of the property (315 Ha.); potential establishment of permanent sampling plots and eventual establishment of a recreational trail.

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

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.

**Club d'Ornithologie du Madawaska**  
**Save the Madawaska Marshes (Phase III) \$13,000.**

The objectives of this project are to collect data on marshes for input for Regional Planning Committee database and to educate grades 8 and 9 students on marshes and other groups.

**Bird Studies Canada – Atlantic Region**  
**Volunteer Monitoring of New Brunswick's Owl Populations \$7,030.**

To determine population trends of owls in NB (especially Barred Owls), supporting DNRE's established use of the Barred Owl as a forest indicator species. To gather location information on rare or little-known owl species in New Brunswick; and to involve volunteer birders from across New Brunswick in active wildlife monitoring.

**NB Protected Natural Areas Coalition**  
**Education Program for Woodlot Owners – Maintaining Wildlife**  
**Habitat Corridors \$10,000.**

To inform private woodlot owners about the need for habitat corridors for wildlife and ways they can collectively maintain wildlife habitat corridors through the management of their woodlots.

**TOTAL FOR THESE BIODIVERSITY RELATED PROJECTS:**  
**\$185,805.**

**GRAND TOTAL OF THESE PROJECTS: \$1,074,575.**