



2007

**Report to the Nova Scotia
Sportfish Habitat Fund**



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Nova Scotia



Salmon Association

Executive Summary

The Adopt-A-Stream program is administered by the Nova Scotia Salmon Association, on behalf of the recreational fishing community. Again this year, the funds from the NS Sportfish Habitat Fund were put to good use.

Adopt-A-Stream supported the project work of 20 community groups. Fish habitat restoration was conducted in 50 watercourses in 24 watersheds. As a result, approximately 110,000 square metres of in-stream fish habitat was restored and 66,000 square meters of riparian habitat protected and revegetated. 13,575 trees were planted in riparian zones.

The NS Sportfish Habitat Fund contributed \$222,500 in 2007. An additional \$9398 was carried over from previous years, making the total funds available to projects \$231,898. Community groups secured matching contributions in cash and in-kind of \$494,633. The volunteer commitment to the projects included more than 8675 hours of volunteer time.



Volunteers with the Port Morien Wildlife Association place digger log in MacVicar's Brook



Aucoin's Brook digger log and bank rocking by Cheticamp River Salmon Association

Cover Photos clockwise from the top: 1) Erin Rowlands (left), project coordinator for the Cobequid Salmon Association, with volunteer Dave Wilson completing a deflector on Little River Stewiacke; 2) Tyler Fraser, crew leader for North Colchester River Restoration working on a wing deflector on Yellow Brook 3) A big bank stabilization crib structure on Big Brook, NE Margaree

Introduction

The Nova Scotia Adopt-A-Stream program is designed to help community-based volunteer organizations carry out projects to restore fish habitat and increase fish populations. Administered by the Nova Scotia Salmon Association, the program coordinates an inter-agency review of project proposals and provides project funding and technical support to participating groups.

Adopt-A-Stream (AAS) serves as a catalyst and facilitator for broad-based community watershed management. Adopt-A-Stream's strategy is two-fold. The program encourages and supports communities working on long-term land and water use issues to ensure that best management practises are adopted; and the program provides direct assistance in the form of project funding and technical advice for hands-on projects that physically restore ecological function and productive capacity to aquatic and riparian habitats.

The Nova Scotia Sportfish Habitat Fund is the primary source of project funding. With the introduction of a \$5 habitat stamp on recreational fishing licenses in 2005, this directed revenue is now available on an annual basis, providing a foundation on which community groups can undertake comprehensive fish habitat restoration in their local watersheds all across the province.

The following report summarizes the activities of the Adopt-A-Stream program in 2007, detailing projects results of the contribution provided through the NS Sportfish Habitat Fund.

Background

The past 200 years of human activity in the Maritimes has made drastic changes to watersheds, resulting in severely degraded freshwater habitats. Land clearing, log driving, agriculture, road construction, and urban and industrial development have changed the shape of stream channels, and have introduced excessive silt, nutrients, and other pollutants to our watercourses. It is estimated that most gravel bed streams in Nova Scotia are only 5 to 20% as productive as they once were. Once abundant, the clean cool gravel-bed stream needed for spawning and rearing of juvenile fish is in increasingly short supply. Cold water species, particularly Atlantic salmon, sea run, brook and brown trout, suffer as a result of habitat degradation. All aquatic life benefits from habitat conservation and enhancement that restores the ecological function of watercourses. Habitat restoration, when properly designed and applied, can result in dramatic improvements in spawning success and increases in juvenile salmon and trout densities.

Across Nova Scotia, volunteer-based community groups have demonstrated the long-term commitment and effort needed to bring their rivers back to health and productivity. River associations, angling clubs, and wildlife organizations have shown the leadership and the tenacity to see their projects through. But in order to be successful, groups require funding and technical advice.

The Nova Scotia Salmon Association (NSSA), founded in 1963, is a not-for-profit, charitable conservation organization whose goal is the wise management of Atlantic salmon and trout. The NSSA is the regional council of the Atlantic Salmon Federation, and has 25 local affiliates across the province. The NSSA is a member of the Inland Fisheries Advisory Committee (IFAC) along with the NS Federation of Anglers and Hunters (NSFAH), Trout Nova Scotia, the Atlantic Salmon Federation (ASF), and the Canadian Association of Smallmouth Anglers (CASA). It was through discussions at this committee, in late 1997, that the NSSA assumed the lead role in the delivery of the Adopt-A-Stream program on behalf of these organizations.

Adopt-A-Stream Program

The 2007 AAS program met with good success this year. The regular rainfall received through the summer did not significantly affect the work schedules of most projects and again this year, a great deal of quality habitat restoration work was accomplished.

The effectiveness and efficiency of the Adopt-a-Stream program continued to benefit from two positive developments initiated in 2006.

One was the renewed financial commitment of the Inland Fisheries Division of the Nova Scotia Department of Aquaculture and Fisheries, in the form of a service contract with the NSSA for providing technical and administrative support to the projects. As a result of this, all the funding received from the NS Sportfish Habitat Fund was distributed directly to the community groups undertaking approved projects.

The second is the NS Department of Environment and Labour for a “blanket” Approval for most types of watercourse alterations associated with projects under Adopt-A-Stream. The confidence in both the AAS project review process and field support provided by the program allows the NSDEL to offer this alternative to individual groups making application for individual site approvals. This approach saves community groups money and time that is better spent on their projects.

Also in 2007, the Nova Scotia Salmon Association Adopt-A-Stream Program personnel applied for and received a Permit Issued under Section 73 of the Species At Risk Act Atlantic salmon (inner Bay of Fundy population) to engage in restoration of physical stream habitat for salmonids. As a result, the Cobequid Salmon Association was able to continue with habitat restoration for the first time since 2002.

The NS Sportfish Habitat Fund was the main source of project funding and was used to support a large number of projects across the entire province. The NSSA also managed several habitat restoration projects with habitat compensation funds as well as with a private developer under the Adopt-A-Stream program. Most of these were done in partnership with community groups resulting in work that would not have otherwise been done.

Project Proposal Review and Selection

The Adopt-A-Stream program strives to ensure high quality work and equitable distribution of resources (both funding and technical assistance) to community groups undertaking fish habitat restoration projects. This is achieved through a multi-agency proposal review process and technical support during the design, lay-out, and implementation of projects.

All proposals made to Adopt-A-Stream are subject to a review process that assesses them for technical feasibility and effectiveness and ensures projects are consistent with sound fisheries management goals. Review committee members include representatives from government agencies with jurisdictional interests – NS Departments of Agriculture and Fisheries (Inland Fisheries Division) and Environment and Labour, and Fisheries and Oceans Canada (Habitat and Fisheries Management) – and the NSSA.

Committee members determine a reasonable and fair distribution of available funds among recommended projects.

Field Support

Throughout the field season, the Adopt-A-Stream program manager, as well as the AAS committee chair, provide technical support as needed to participating groups, including watercourse assessment, project design and lay-out, and training in the installation of habitat structures (such as digger log / deflector sequences, rock sills, boulder groups, and bank stabilization via rocking, bank logs, live sills and/or other vegetation). Adopt-A-Stream personnel coordinate with DFO Habitat officers to ensure groups are getting all the help they require to be successful.

Follow-up monitoring and evaluation of completed projects will ensure anticipated results are achieved over time.

2007 Project Results

Ecological Impact

During the 2007 field season, 20 community groups involved in the Adopt-A-Stream program were allocated funding for in-stream habitat restoration projects improving 50 watercourses. The cumulative result of their work was the restoration of approximately 110,000 square metres of in-stream fish habitat. An estimated 10 kilometres of stream were made accessible to fish by repairs to or clearing of culverts and removing old beaver dams and debris jams.

Riparian restoration across the province also included the planting of 13,575 trees, and bank stabilization work at numerous sites along watercourses. Two community groups involved 11 farms in stewardship initiatives, protecting and restoring of 66,000 square meters of riparian habitat. Nearly 8 kilometres of streamside fencing was done to

eliminate access to grazing livestock from the watercourses and re-establish a streamside buffer. Other aspects of the projects involved proper stream crossings for livestock, the installation of alternate watering sources, and native tree and shrub planting. (see Clean Annapolis River Project and Friends of the Cornwallis River Society in the table below.)

For the most part, groups were able to complete their projects as planned, and in a number of cases they exceeded their work plans. There were two exceptions in which projects could not be fully completed due to water levels. Those groups that did not fully complete their projects have rescheduled the work for 2008.

The table below outlines the projects undertaken through Adopt-A-Stream with the support of the Nova Scotia Sportfish Habitat Fund.

| Group | Watershed & Watercourses | Project Summary |
|--|---------------------------------------|--|
| ACAP Cape Breton | Sydney Harbour - various | ACAP – Cape Breton partnered with the Port Morien Wildlife Association to help complete restoration work on the lower part of MacVicar's Brook (see below). Additionally, ACAP completed an inventory of past stream restoration projects in 7 watercourses to determine condition and prioritize repairs. Structure upgrading was carried out on three streams (Cantley Creek, Coxheath Brook and Wash Brook) where about 35 of 115 structures required attention. Digger logs requiring minor maintenance were repaired and others were replaced with new logs. |
| with Port Morien Wildlife Assoc | MacVicar's Brook | The Port Morien Wildlife Association with assistance from trained ACAP – Cape Breton staff completed the restoration project initiated in 2006 to restored trout habitat in the lower 480 m of the brook. In total 21 digger logs and/or deflectors were installed and 200 trees were planted streamside. |
| Antigonish Town and County Anglers Association | South River - two unnamed tributaries | This newly formed group addressed habitat concerns in two tributaries the South River, improving access to 2 km of stream habitat. Several debris jam were removed and fish passage through a culvert was improved by installing baffles inside the culvert and by rocking a bank and placing a single digger log to back flood a culvert in one stream. In the other unnamed tributary, debris jams were also removed and some bank rocking by hand was done to reduce erosion. Forty trees were planted on each tributary. |
| Bluenose Coastal Action Foundation | Mushamush River - main river | Water levels on the Mushamush River remained high throughout most of the summer limited the scope of the project this year. The rock sills (machine work) planned for the below the former dam sites were postponed again to 2008. Upstream of the dam site, 3 large modified deflectors installed by hand. Access to the site was limited and difficult. However, the river through this section is more that twice its natural width and very shallow and warm at low water and in need of restoration. The structure design was altered to use less material and is experimental. |

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| Clean Annapolis River Project | various farm sites in Annapolis River watershed | Aquatic and riparian habitat enhancement and protection activities were undertaken on agricultural sites. In 2007, 8 farms (4 new, 4 cont'd) were involved and 7 stewardship agreements were signed; 2930m of fencing was installed along watercourses; one alternate livestock watering system was installed, and 16090 sq. m. riparian habitat protected, 2174 trees and shrubs planted. |
| Cheticamp River Salmon Association | Cheticamp River - Aucoin's Brook Fiset Brook Farm Brook | Restoration work this year on Aucoin's Brook, a tributary to the Cheticamp River involved the installation of a further 24 habitat structures - digger logs, log/rock cribs and deflectors - as well as 2 spawning boxes and a rock sill to back flood a culvert to improve fish passage. On Farm Brook, nine new structures were added - digger logs, log/rock cribs, deflectors. On Fiset Brook, repairs were made to structures installed in 2005 and a section of channel was excavated to put the flow back into it. |
| Clean Nova Scotia | Bedford Basin - Parker's Brook | Trout habitat in Parkers Brook was restored from the CNR culvert to the Bedford Basin. Work involved the removal of garbage and debris (2 tons), installing approximately 30 digger logs and/or deflectors and in the lower reach (530 m) , thalweg development but moving by hand heavy substrate to create a low flow channel with pools. |
| Cobequid Salmon Association | Stewiacke River Watershed - Little River (Creamery Brook) | The CSA was able to proceed with habitat restoration work for the first time since 2002 and the passing of the Species At Risk Act. The group is focusing on the Stewiacke River and in particular Little River (Creamery Brook) the more downstream tributary of the major tributaries in the system. Working under the NSSA Adopt-A-Stream's permit from DFO under section 73 of the SARA Atlantic salmon (inner Bay of Fundy population), the group installed four structures (one digger log and 3 deflectors) in the area above and below the Brentwood Road Bridge (500m). Due to special consideration under SARA, work to be done by hand, despite the scale of the structures needed for the channel size. Materials were delivered to the site. |
| Cumberland County River Enhancement Assoc. | River Philip Watershed - Second River, Davidson, Sherman, Polly Brooks | <p>In <i>Second River</i>, work involved adding more silt traps (spruce tree tops pinned to downstream of deflectors) to existing structures to aid in point bar stability as this stream continues sorting its bed loads following seventy plus years of being back flooded by a dam as were bank side cover structures to add a higher level of habitat complexity and allow for better habitat partitioning between juvenile Atlantic salmon and brook trout. New restoration work was done from the old dam pond and extending down stream to the highway with 12 in-stream structures built to better form point bars, sort size classes of stream gravel to rebuild proper gradient, as well as 3 bank erosion/artificial undercut bank structures.</p> <p>Field work for <i>Davidson Brook</i> for 2007 consisted of the maintenance of the fish ladder built in 2006 (cleaning debris from the step pools); repairing of two small erosion sites upstream of the fish ladder with simple log crib/revetment structures to prevent erosion and provide bank side habitat. Began loosening and stabilization of four upstream debris jams.</p> <p>Continued channel re-establishment work on Sherman Brook with the construction of 4 wing deflectors, and bank side crib work.</p> <p>On Polly Brook 10 in-stream structures (digger logs, and deflectors) were built below the existing structures continuing down stream, to just above the road bridge. Also, two bank erosion artificial undercut bank structures were constructed this section.</p> |

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| Friends of the Cornwallis River Society | Upper Cornwallis River - Fisher and Thomas Brook | In Fisher and Thomas brooks and the Upper Cornwallis west of Berwick, 3 farms participated in fencing out livestock along both sides of approximately 5 km of stream leaving a 5 m riparian buffer along both banks. Also, two correctly installed culverts were placed for livestock stream crossings. |
| Habitat Unlimited | North Wrights River tributaries West Antigonish; Donny Brook, Brierly Brook, James River | <p>HU worked on the upper section of the North Wrights River including two upper tributaries, a middle section below these tributaries' confluence and a lower section below a confluence of the middle section and an adjacent tributary. In total 32 structures were placed in approximately 1000m of stream.</p> <p>In the West River Antigonish, habitat work was done on Donny Brook in the upper Ohio branch with structures installed by hand. In addition a major debris jam was cleared (with a power saw and by hand) to help define the thalweg and a channel blocker was installed below a pair of waterfalls to block a back channel and, help preserve the plunge pool and raise the waterline to better facilitate fish passage.</p> <p>Near the headwaters of Brierly Brook, 10 habitat structures were added and 23 trees planted and hand rocking was used to stabilize banks and establish riparian zone.</p> <p>In James river, 3 previously installed structures - one digger log and 2 bank cribs - were upgraded to improve their effectiveness. Approximately 250 trees were planted at various sites in the watershed. Previously installed structures (270) on seven watercourses were checked and repaired as needed and 25-30 beaver dams and other debris jams were removed.</p> |
| Mabou & District Community Development Association | Mabou-Mull River (Shea's and Glendyer Brooks); Broad Cover River; Lake Ainslie, Gillis Brook | <p>In the Mabou River Watershed, habitat restoration work focused on Shea's brook and two of its unnamed tributaries where 58 new structures, digger logs, deflectors and bank cribs, were installed.</p> <p>On Glendyer Brook and Broad Cove River, maintenance on previously installed structures was completed along with the removal of a number of debris jams.</p> <p>The crew also did habitat restoration work on Gillis Brook a tributary to Lake Ainslie, installing 15 new habitat structures.</p> |
| Margaree Salmon Association | NE Margaree - Big Brook also Lake O'Law Brook | <p>The MSA began habitat restoration work on Big Brook a tributary to the NE Margaree. Severe bank erosion especially in areas where the bank height was in excess of 10 meters and comprised of mostly clay/loam soils has caused infilling of pools and severe embeddedness of the stream bottom. In all, 23 log/rock deflectors were installed, 19 sites (222 meters) were stabilized with bank rocking and 92 meters of tree revetments were placed in 1.5 km of the stream.</p> <p>On Lake O'Law Brook, the MSA crew also completed upgrades to 10 digger logs/ deflectors installed previously.</p> |
| Mulgrave and Area Lakes Enhancement Association | St.Francis Harbour River - main river | The scope of the project was shifted from hand build structures (with a crew of four) planned for the upper area of the river to the development of three sanctuary pools done by boulder removal and rearrangement by an excavator. (The smaller scale hand work was rescheduled to 2008 so the group can avail itself of their experienced crew leader again.) Work was completed on 2 of the three pools however, high water levels throughout much of the field season resulted in delays and forced the postponed of the final work to the coming field season. |

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| North Shore Community Development Association | Waugh's River Watershed - main river, Yellow and Chamber's Brooks French River – Donaldson Brook | <p>The North Colchester River Restoration Project, a committee of the NSCDA, focused its habitat restoration on the Waugh's' River. In-stream restoration of Yellow Brook and its tributary Chambers project resulted in the installation of 64 new habitat structures, mostly digger logs, deflectors and bank cribbing. In the main river, 250 m of eroding bank was stabilized by rocking the toe of the slope and re-sloping the bank by machine. Boulder groupings were added to increase habitat.</p> <p>Armour rocking on Donaldson Mill Brook in the French River watershed was also done along 75 m of bank. All previously installed structures from past project work were checked and repaired as needed.</p> |
| Sackville Rivers Association | Sackville River - Little Sackville | <p>Work to realigned previously installed digger logs on the Little Sackville continue with a further 40 logs adjusted or replaced. Repaired areas are functioning much better.</p> <p>Large scale work on main river in the Walkers Pit area had to be postponed to 2008 due to high water conditions throughout the field season.</p> |
| Salmon River Salmon Assoc. | St. Mary's Bay - Germaine Brook | Habitat restoration work begun in 2006 was completed on Germaine Brook with the installation of an additional 15 digger logs and the excavation of 60 m of channel infilled by a ford (no longer used and now removed) and improper road maintenance (being addressed). |
| Stewards of the River Denys Watershed Association | River Denys - MacLellan Brook | Habitat restoration was undertaken on MacLellan Brook where 11 digger logs and/or deflectors were built and cover added to existing pools. |
| St. Mary's River Association | West Branch St Mary's tributaries | Habitat work on several tributaries to the West Branch was done in the areas above and below the Hwy 348 crossings. In Indian Man Brook six digger logs and deflectors were installed. The thalweg near the mouth of the brook was developed by moving heavier substrate by hand. In Clarks brook, seven structures were built. On Sutherland Brook, one bank erosion/artificial undercut bank structure was built. On Hattie Brook, debris plugging a culvert was removed. And on Glen cross Brook previously installed digger logs were adjusted and thalweg development work started in 2006 was enhanced. |
| Wildlife Habitat Advocates | Halfway River | <p>Maintenance and upgrades were done of existing in-stream structures installed in 2006. Digger-logs and deflector wings received new additions of large rock and pool areas were cleaned of debris deposited during spring high-water conditions. Two additional deflector wings were installed at digger-log sites in an effort to improve water flow over the logs and to help protect compromised stream-banks.</p> <p>The major work undertaken in 2007 involved the construction of a relatively large crib-works to help prevent bank-slippage. Under the guidance of a professional landscaper Advocate workers constructed a log crib-wall along the stream-bank for a length of approximately 15 meters.</p> |

As noted above, the Port Morien Wildlife Association partnered with ACAP CB to complete their project started in 2006. The two groups may collaborate on other issues in the future. The Salmon River Salmon Association completed project work funded in 2006 as did the Wildlife Habitat Advocates. Due to high water levels, the Mulgrave and Area Lakes Enhancement Association will complete a portion of their work plan in 2008. Similarly, the Sackville Rivers Association was unable to do the habitat work they had hoped to do in the main river due to water levels this past summer.

Community Commitment

Volunteers are the driving force behind the success of Adopt-A-Stream. This past year, committed individuals contributed a reported 8675 hours to project planning, administration, and delivery. They have managed books, attended meetings, supervised workers, and undertaken much of the hands-on labour needed for restoration projects. In addition to their own labour, volunteer organizations sought to hire local people, often youth, to work on summer crews doing useful, meaningful work with lasting impacts. A number of groups have been able to hire crew members for consecutive years, increasing the effectiveness of their projects.

The hands-on work of repairing degraded habitat bolsters a group's credibility, allowing community organizations to increase public awareness of aquatic ecosystems and the consequences of improper land-use activities and the need for good stewardship.

2007 Financial Summary

The Nova Scotia Salmon Association made an application to the NS Sportfish Habitat Fund in April 2007, following which a commitment of \$195,000 was made to the Adopt-A-Stream Program. A second request for funding was made in August. Confirmation of an additional \$27,500 contribution from the Fund was received in September. The total allocation from the Fund in 2007 to Adopt-A-Stream was \$222,500. A further \$9398 was allocated to projects from unspent (but mostly allocated for particular projects) funds carried over from 2006. The minimum requirement of a 50/50 cost share on projects was far exceeded. Other cash and in-kind contributions had a total value of \$494,633.

Of the 2007 funding commitment, \$24,041 will be carried over to 2008. Much of this is for the postponed project work on the Sackville and St. Francis Harbour Rivers. Two groups completed their project work under budget and the remaining funds will be used in the coming field season elsewhere in the same watersheds. Only \$878 remains unallocated, and will be put towards the overall project budget in 2008.

Please see Appendix A for the detailed financial statement.

Concluding Remarks

In 2008, the Nova Scotia Salmon Association celebrates 10 years with Adopt-A-Stream. Since first taking on the administration of the program, 35 community groups have been involved in restoring their local watersheds. To date nearly one million square meters of fish habitat has been restored.

Our goal for the coming decade is to continue to be an effective model for funding allocation and support for quality community-based fish habitat restoration and to seek ways expanding the program both to more watersheds. The support from the Nova Scotia Sportfish Habitat Fund is an essential component of Adopt-A-Stream's continuing success of protecting and improving fish habitat across the province.

Appendix A – 2007 Financial Statement

| REVENUE | |
|---------------------------------------|------------------|
| 2007 NS Sportfish Habitat Fund | \$222,500 |
| 2006 Funds Carried-over by NSSA ** | \$9,398 (1) |
| Total | \$231,898 |

| EXPENDITURES - Actual and Allocated | |
|--|------------------|
| Actual Project Expenditures 2007 | \$206,980 (2) |
| Unspent portion of Project Funding Advances (extensions to - held by groups) | \$15,890 (3) |
| Unspent portion Project Allocations (extensions to - held by AAS) | \$8,151 (4) |
| Total Allocation to Projects | \$231,020 |

| | |
|--|-------|
| Difference or Unallocated Carry-over to 2008 | \$878 |
|--|-------|

| (1) REVENUE 2006 Funds Carried-over by NSSA - Detail | | |
|---|---------|----------------|
| Hold back pending 2006 project completion in 2007 | Amount | |
| Port Morien Wildlife Assoc. 2006 | \$193 | |
| Salmon River Salmon Assoc.2006 | \$2,400 | |
| Wildlife Habitat Advocates 2005 | \$800 | |
| subtotal | | \$3,393 |
| Unspent 2006 included in new 2007 project agreements | Amount | |
| Bluenose Coastal Action Foundation | \$2,500 | |
| Stewards of the River Denys Watershed Association | \$2,000 | |
| subtotal | | \$4,500 |
| Unallocated Carry-Over | | \$1,505 |
| Total | | \$9,398 |

(2) Detailed Project Allocation and Expenditure

| 2007 | Distribution of Funds from NSSHF | | | Carry-over of Project Funds to 2008 | | | Matching Contributions | | |
|--|----------------------------------|------------------|------------------|-------------------------------------|-----------------------------|-----------------------------|------------------------|------------------|--|
| Group | 2007 AAS Allocation | 2007 Funds Paid | 2007 Actual Exp | Total Carry over to 2008 | Sub-total NSSA Carries Over | Sub-total Groups Carry-Over | Cash | In-kind | Project Status |
| ACAP Cape Breton | \$10,000 | \$10,000 | \$10,000 | \$0 | | | \$9,613 | \$7,872 | complete |
| Port Morien Wildlife Association | \$400 | \$400 | \$400 | \$0 | | | | \$5,400 | complete |
| Antigonish Town and County Anglers Association | \$4,500 | \$3,630 | \$3,630 | \$871 | \$871 | | \$164 | \$3,973 | under budget apply to 2008 |
| Bluenose Coastal Action Foundation | \$13,500 | \$13,500 | \$13,500 | \$0 | | | \$28,445 | \$27,729 | complete |
| Cheticamp River Salmon Association | \$10,000 | \$10,000 | \$10,000 | \$0 | | | \$31,776 | \$14,700 | complete |
| Clean Annapolis River Project | \$10,000 | \$10,000 | \$10,000 | \$0 | | | \$0 | \$18,502 | complete |
| Clean Nova Scotia | \$9,000 | \$9,000 | \$9,000 | \$0 | | | \$7,080 | \$4,109 | complete |
| Cobequid Salmon Association | \$17,000 | \$17,000 | \$17,000 | \$0 | | | \$8,484 | \$11,680 | complete |
| Cumberland County River Enhancement Assoc. | \$24,000 | \$24,000 | \$24,000 | \$0 | | | \$12,445 | \$63,560 | complete |
| Friends of the Cornwallis River Society | \$7,600 | \$7,600 | \$7,600 | \$0 | | | \$7,617 | \$7,650 | complete |
| Habitat Unlimited | \$15,500 | \$15,500 | \$15,500 | \$0 | | | \$11,287 | \$5,600 | complete |
| Mabou & District Community Development Association | \$20,000 | \$20,000 | \$20,000 | \$0 | | | \$16,847 | \$9,675 | complete |
| Margaree Salmon Association | \$16,000 | \$16,000 | \$16,000 | \$0 | | | \$28,528 | \$19,355 | complete |
| Mulgrave and Area Lakes Enhancement Association | \$19,000 | \$15,200 | \$9,700 | \$9,300 | \$3,800 | \$5,500 | \$2,500 | \$9,000 | Partially completed will finish in 2008 |
| North Shore Community Development Association | \$16,000 | \$16,000 | \$16,000 | \$0 | | | \$29,049 | \$35,458 | complete |
| Sackville Rivers Association | \$18,000 | \$15,920 | \$8,000 | \$10,000 | \$2,080 | \$7,920 | \$5,000 | \$6,809 | LSR complete. Main river postponed to 2008 |
| Salmon River Salmon Association | \$2,400 | \$2,400 | \$2,400 | \$0 | | | \$5,000 | \$9,326 | complete |
| Stewards of the River Denys Watershed Association | \$7,000 | \$5,600 | \$3,130 | \$3,870 | \$1,400 | \$2,470 | \$0 | \$5,000 | under budget apply to 2008 |
| St. Mary's River Association | \$9,900 | \$9,900 | \$9,900 | \$0 | | | \$5,000 | \$6,809 | complete |
| Wildlife Habitat Advocates | \$1,220 | \$1,220 | \$1,220 | \$0 | | | \$0 | \$13,590 | complete |
| | | | | | | | | | |
| Total Project Allocations | \$231,020 | \$222,870 | \$206,980 | \$24,041 | \$8,151 | \$15,890 | \$208,837 | \$285,796 | |

Explanation of variation between Allocation and Actual Expenditure

| (3) Amount of project advance groups holding and carrying for project completion / expansion (i.e. earmarked) | Amount | Rationale |
|---|----------|---|
| Mulgrave and Area Lakes Enhancement Association | \$5,500 | High water levels limited time available to completed project work. Project completion scheduled for 2008 |
| Sackville Rivers Association | \$7,920 | Project in main river postponed to 2008 due to high water levels in 2007 |
| Stewards of the River Denys Watershed Association | \$2,470 | Project completed under budget - holding for work elsewhere in watershed |
| total | \$15,890 | |

| (4) Amount N SSA / AAS holding pending project completion / expansion (i.e. earmarked) | Amount | Rationale |
|--|---------|--|
| Antigonish Town and County Anglers Association | \$871 | Project completed under budget - holding for work elsewhere in watershed |
| Mulgrave and Area Lakes Enhancement Association | \$3,800 | Project completion scheduled for 2008 |
| Sackville Rivers Association | \$2,080 | Project in main river postponed to 2008 |
| Stewards of the River Denys Watershed Association | \$1,400 | Project completed under budget - holding for work elsewhere in watershed |
| total | \$8,151 | |