

FINAL REPORT

- 1 -

2003 Project Abstract

For the Period Ending June 30, 2006

AUG 16 2006

TITLE: Bucks and Buckthorn: Engaging Young Hunters in Restoration (11b)

PROJECT MANAGER: Wiley Buck

ORGANIZATION: Great River Greening

ADDRESS: 35 W. Water St., St. Paul MN 55107

WEB SITE ADDRESS: www.greatrivergreening.org

FUND: The Minnesota Environment and Natural Resources Trust Fund (Trust Fund)

LEGAL CITATION: ML 2003, Ch. 128, Art. 1, Sec. 9, Subd. 11(b)

APPROPRIATION AMOUNT: \$ 255,000

Overall Project Outcome and Results

The St. Croix Watershed Research Station and Great River Greening in partnership with Kiwanis Scout Camp and Minnesota Deer Hunter's Association successfully completed a pilot program testing archery hunting as a "hook" to get youth involved in the outdoors and engaged in habitat restoration projects, which together fostered a stronger connection to land. Over three years, 110 youth attended "Forkhorn Camp" and received Hunter Safety Certification. Over 30 youth with 40 mentors hunted on lands in the St. Croix Greenway Corridor each year; a total of 20 were first-time hunters. Hunters logged nearly 6000 hours in tree stands, and harvested 75 antler-less deer, 44 by youth. Youth and mentors participated in 13 required habitat restoration events. Three large events combined hunters with other conservation volunteers. Individuals volunteered over 480 times and put in nearly 1500 hours directly impacting 68 acres, including 25 acres of buckthorn removal; eight acres of prairie restoration; five prescribed burns; and planting of 400 oak seedlings and 3000 prairie plugs. Youth and mentors also returned to the land for 14 eco-events including songbird banding, falconry, antler-shed searching, skull identification, small mammal tracking and radio telemetry. Science Museum of Minnesota staff used Museum specimens to enhance the ecological lessons of each event.

Over half of the participants returned in multiple years and expressed a sincere bond to the lands in the St. Croix Greenway Corridor. The Bucks and Buckthorn program exceeded participation, harvest, and restoration goals, and demonstrates an effective way to get youth and adults actively connected to the land.

Project Results Use and Dissemination

Results were disseminated through: interpretive signage; informational flyers for large landowners and general audience; a feature Pioneer Press article; presentations to four civic groups and three scientific conferences; creation of a website (<http://bucksandbuckthorn.com>); and formation of a local MDHA chapter.

FINAL REPORT

AUG 16 2006

LCMR 2003 Work Program

Date of Report: August 1, 2006
Title: LCMR Final Work Program Report
Date of Work program Approval: June 25, 2003
Project Completion Date: June 30, 2006

I. PROJECT TITLE: Bucks and Buckthorn: Engaging Young Hunters in Restoration (11b)

Project Manager: Wiley Buck
Affiliation: Great River Greening (GRG)
Mailing Address: 35 West Water Street, Suite #201
City / State / Zip : Saint Paul, MN 55107
Telephone Number: 651/665-9500
E-mail Address: wbuck@greatrivergreening.org
FAX Number: 651/665-9409
Web Page address: www.greatrivergreening.org

Total Biennial LCMR Project Budget: LCMR Appropriation: \$ 255,000
Minus Amount Spent: \$ 250,373
Equal Balance: \$ 4,627.23

Legal Citation: ML 2003, Chap.128, Article 1, Sec. 9, Subd. 11(b).

Appropriation Language: 11(b) Bucks and Buckthorn: Engaging Young Hunters in Restoration \$127,000 the first year and \$128,000 the second year are from the trust fund to the commissioner of natural resources for agreements with Great River Greening, Minnesota Deer hunters Association and the St. Croix Watershed Research Station for a pilot program linking hunting and habitat restoration opportunities for youth.

Legal Citation: ML 2004, Ch. 255, Sec. 47, Subd. (b)

Carryforward Language: The availability of the appropriation for the following project is extended to June 30, 2006: Laws 2003, chapter 128, article 1, section 9, subdivision 11, paragraph (b), **bucks and buckthorn: engaging young hunters in restoration.**

II and III. FINAL PROJECT SUMMARY

Overall Project Outcome and Results

The St. Croix Watershed Research Station and Great River Greening in partnership with Kiwanis Scout Camp and Minnesota Deer Hunter's Association successfully completed a pilot program testing archery hunting as a "hook" to get youth involved in the outdoors and engaged in habitat restoration projects, which together fostered a stronger connection to land. Over three years, 110 youth attended "Forkhorn Camp" and received Hunter Safety Certification. Over 30 youth with 40 mentors hunted on lands in the St. Croix Greenway

Corridor each year; a total of 20 were first-time hunters. Hunters logged nearly 6000 hours in tree stands, and harvested 75 antler-less deer, 44 by youth. Youth and mentors participated in 13 required habitat restoration events. Three large events combined hunters with other conservation volunteers. Individuals volunteered over 480 times and put in nearly 1500 hours directly impacting 68 acres, including 25 acres of buckthorn removal; eight acres of prairie restoration; five prescribed burns; and planting of 400 oak seedlings and 3000 prairie plugs. Youth and mentors also returned to the land for 14 eco-events including songbird banding, falconry, antler-shed searching, skull identification, small mammal tracking and radio telemetry. Science Museum of Minnesota staff used Museum specimens to enhance the ecological lessons of each event.

Over half of the participants returned in multiple years and expressed a sincere bond to the lands in the St. Croix Greenway Corridor. The Bucks and Buckthorn program exceeded participation, harvest, and restoration goals, and demonstrates an effective way to get youth and adults actively connected to the land.

Project Results Use and Dissemination

Results were disseminated through: interpretive signage; informational flyers for large landowners and general audience; a feature Pioneer Press article; presentations to four civic groups and three scientific conferences; creation of a website (<http://bucksandbuckthorn.com>); and formation of a local MDHA chapter.

IV. OUTLINE OF PROJECT RESULTS:

Result 1: *Pilot Hunting Program*

Description:

The youth mentor coordinator and hunting organizer, contracted by SCWRS, in conjunction with SCWRS, and Warner Nature Center will develop a pilot program providing hunting and related training. Camp Kiwanas Boy Scout Camp, contracted through GRG, will host the Forkhorn camps:

- 80 urban and suburban youths will be provided with hunting and ecology training.
- Training includes two intense, weeklong MDHA Deer Camps
- 60 of the youth will be given opportunities to hunt on the property.
- 30 experienced volunteer hunters will mentor and assist the youth (archery and gun safety)
- Youth and mentors will participate in habitat-ecology workshops on the property to foster a continuous connection to the land.

Summary Budget Information for Result 1:

LCMR Budget	\$ 78,213
Balance	\$ -0-

Completion Date:

It is anticipated that by June 30, 2004, 40 youth will have participated in a weeklong MDHA deer camp, 30 youth will have been given an opportunity to hunt and 15 experienced hunters will have participated as mentors.

It is anticipated that by June 30, 2005, a total of 80 youth will have participated in a weeklong MDHA deer camp, a total of 60 youth will have been given an opportunity to hunt and a total of 30 experienced hunters will have participated as mentors.

The hunting and mentor program will continue for a third year, while additional funding will be sought for continuation of the MDHA deer camp.

Final Result Summary:

Over three years, 110 youth attended "Forkhorn Camp" and received Hunter Safety Certification. Over 30 youth with 40 mentors hunted deer on lands in the St. Croix Greenway Corridor each year; a total of 20 were first-time hunters. Hunters logged nearly 6000 hours in tree stands, and harvested 75 antler-less deer, 44 by youth. Over half of the participants returned in multiple years and expressed a sincere bond to the lands in the St. Croix Greenway Corridor. The Bucks and Buckthorn program exceeded participation and harvest goals.

In addition, six mentors and ten youth participated in the spring 2006 turkey archery hunt, sharing blinds. Four youth shot at turkeys and one youth harvested a turkey. The recent partnership with White Bear Lake Middle School's "Archery in the Schools" program, and the development of an active St. Croix Valley MDHA chapter, underscore the focused enthusiasm for youth hunting that this program has developed. Already, the new MDHA chapter, with five of its six officers active participants in the Bucks and Buckthorn program, has hosted a February fundraiser and is sponsoring an upcoming target shoot.

Youth and mentors also returned to the land for 14 eco-events including songbird banding, falconry, antler-shed searching, skull identification, small mammal tracking and radio telemetry. Science Museum of Minnesota staff used Museum specimens to enhance the ecological lessons of each event. In the last six months alone, 56 youth and mentors put in participated in the habitat/ecology eco-events, which included *Esox* anatomy, SMM vault tour, and the 3rd annual antler shed hunt.

Results were disseminated through: interpretive signage; informational flyers for large landowners and general audience; a feature Pioneer Press article; presentations to four civic groups and three scientific conferences; creation of a website (<http://bucksandbuckthorn.com>); and formation of a local MDHA chapter.

Result 2: *Restoration and Research Activities GRG, SCWRS and Warner* **Description:**

GRG Implement at least six habitat improvement projects, in conjunction with SCWRS and Warner, using youth-hunters, mentors and conservation volunteers to complete the work.

- Restoration activities, GRG will conduct two annual restoration events including buckthorn removal, reforestation or prairie plantings cooperatively using hunters and conservation volunteers
- GRG will host two restoration events for mentors and youth-hunters.
- GRG will conduct two annual prescribed burning events involving youth-hunters and mentors.
- SCWRS will utilize restoration projects on up to 20 acres to conduct research on restoration techniques; scientifically evaluate the ecological success of different

restoration techniques, study habitat quality as a function of plant diversity; and evaluate cost-effectiveness.

- St. Croix Greenway Collaborative (SCWRS, Warner Nature Center, and others), consists of 1,400 acres, which will directly or indirectly be affected by the results of this project.

Summary Budget Information for Result 2: LCMR Budget	\$176,676
Balance	\$ 4,627

Completion Date:

It is anticipated that by June 30, 2004 three restoration events involving hunters, mentors and conservation volunteers will have taken place.

It is anticipated that by June 30, 2005 a total of six restoration events involving hunters, mentors and conservation volunteers will have taken place.

It is anticipated that by June 30, 2006 at least two large restoration areas will have been implemented as research study sites. Two years of data collection will have been completed. Data collection will continue as long-term study site for five to ten years. Plots will be incorporated into SCWRS data evaluation and management.

Final Result Summary:

In the past six months, three volunteer restoration events were held, including a large general conservationist and hunter mentor event on May 20 attended by 69 youth and adult volunteers who put in 219 hours removing buckthorn from a high quality bluff prairie remnant; and two hunter/mentor events which included clearing a prairie remnant and protecting thriving oak trees planted a year ago. During the entire program, a total of 13 restoration events were held. Over 480 volunteers, a combination of hunters and general conservationists, put in nearly 1500 hours controlling buckthorn, planting and protecting trees, clearing woody encroachment, and planting prairie plants. A total of five demonstration prescribed burns were conducted including the February, 2006 savanna bluff burn. A total of 68 acres were restored under the Bucks and Buckthorn program.

Twelve youth and adults pulled weeds from the "gro-tube" study plots in May, 2006, followed by a tour through the nearby restored prairies. The last two acres on the Pitcher Field prairie restoration study site (Warner Nature Center) were broadcast seeded in June, 2006, which is an 18 acre site being planted in steps. This planting completes the research portions of this restoration; an additional five acres will be planted to a high diversity prairie mix serving as general habitat. A six acre prairie was planted November 9th, 2005 at the SCWRS Terrace Gateway site. This planting is subdivided into 10 sections and will be used to evaluate the utility of "patch" seeding as a technique to increase the establishment of conservative species.

A manuscript titled "*Influence of floristic diversity on pheasant and songbird nesting preference and small mammal abundance*" was submitted to the journal Restoration Ecology. The manuscript is currently in peer review. SCWRS staff and interns collected data from 150 restoration plots testing the effects of seeding rate and density on floristic diversity. An update of this study was presented at the Iowa Roadside Conference in

September, 2005. Results from two experiments were presented at the 19th North American Prairie Conference in 2004. (Schottler, S. 2004. Testing the effect of seeding density, grass to forb ratios, and spring vs fall planting in maximizing floristic diversity in prairie reconstructions. 19th North American Prairie Conference, Madison WI).

Our dissemination of results also included an interpretive sign at the Tanglewood Forest Restoration site; development of a flyer "Engaging Young Hunters in Restoration; An Introduction for Large Landowners" with delivery to Arcola Mills Historic Foundation, St. Paul Parks and Recreation, Washington County Conservation District, St. Croix NPS, and Resource Managers and Supervisors at St. Croix, Wild River, Interstate, William O'Brien, and Afton State Parks; and an updated general audience flyer which was distributed very widely.

V. TOTAL LCMR PROJECT BUDGET:

All Results: Personnel: \$ 147,195.27
All Results: Contracts: \$ 52,483.97
All Results: Direct Operating Costs: \$6,200.00
All Results: Equipment/Tools: \$ 26,923.37
All Results: Communications, telephone, mail, etc.: \$ 960.00
All Results: Event Supplies: \$ 5,711.74
All Results: Other Land Improvement: \$ 15,525.65

TOTAL LCMR PROJECT BUDGET: \$ 255,000.00

Explanation of Capital Expenditures Greater Than \$3,500:

Field supplies and equipment, burn equipment and chemicals consist of expendable items such as; chainsaw supplies, chaps and helmets, pesticide chemicals, pesticide bottles, gloves, safety glasses, pin flags, flagging tape, stakes, hunting equipment and other expendable items that will be worn out or continued to be used for restoration, research and hunting program within the St. Croix Greenway or other LCMR related projects.

In addition to Bucks and Buckthorn, Greening intends to use the ATV on Metro Wildlife Corridors 2003-2006 projects and, pending funding, Metro Wildlife Corridors 2005-2007 projects. Greening also agrees to lend this ATV to its Bucks and Buckthorn partners and Metro Wildlife Corridors partners for use on LCMR projects for its useful life.

VI. PAST, PRESENT AND FUTURE SPENDING:

A. Past Spending:

The St. Croix Greenway Collaborative has received past funding as follows:

- DNR Metro Greenways (2000) \$460,000 for acquisition,
- LCMR appropriation (2001) \$124,000 for acquisition and equipment

Great River Greening has received the following past funding:

- Big Rivers Partnership (BRP) funded by an \$800,000 appropriation from the LCMR during the 1999 - 2001 biennium, and matched by at least \$374,000 through public and private sources.

- The LCMR appropriation also leveraged \$50,000 of funds from the National Park Service for inventory work during this same biennium.
- LCMR appropriation during the 2002 - 2003 biennium of \$910,000 to build on the successful Big Rivers Partnership.
- LCMR History: \$300,000.00 RIM Critical Habitat Match - Environmental Trust Fund and Future Resource Fund
- Non-LCMR History: \$2.2 million foundation, corporate, and private contributions.

B. Current Spending:

The total potential leverage of funds is \$26,130, as follows:

- \$4,400 of restoration labor from the volunteer mentors, participating youth, and restoration volunteers (valued at \$11/hour per federal guidelines).
- \$6,600 of volunteer time and expenses from the mentors to work with the youth.
- \$9,000 anticipated from Minnesota Deer Hunters Association for camp scholarships to help in running deer camp in third year (22 @ \$400 each).
- \$4,000 from families to attend the deer camp (80 youths @ \$50 each).
- \$1,380 from families for license cost (60 youths @ \$23 each).
- \$750 from the Bureau of Criminal Apprehension or DNR Enforcement for background checks on the mentors (30 mentors @ \$25 each).

C. Required Match (if applicable): Not applicable

D. Future Spending: Funding will continue to be sought to further develop the hunting training camps and restoration and research activities.

VII. Project Partners:

A. Partners Receiving LCMR Funds:

Great River Greening:

David Den, Camp Kiwanas Boy Scouts of America: \$28,000

St. Croix Watershed Research Station:

Shawn Schottler, St. Croix Watershed Research Station: \$40,000

Dick Oehlenschlager, Science Museum of Minnesota: \$10,000

Tom Anderson, Warner Nature Center: \$2,200

Andy Weaver and Travis Stewart, Youth Mentor Coordinator and Hunting Organizers: \$19,000

B. Project Cooperators:

Wiley Buck, Great River Greening

Mark Johnson, Minnesota Deer Hunters Association

Shawn Schottler, St. Croix Watershed Research Station

VIII. DISSEMINATION:

Information on the project will be posted on Greenings website

www.greatrivergreening.org, in its biannual newsletter, electronic informational postcard and at other events and trainings.

IX. LOCATION:

Washington County, near the St. Croix National Scenic Riverway and Marine-on- St. Croix, T31N, R19-20W, Secs 13, 14, 15, 16, 18, 22, 23River and (10) Minnesota River Valley:

X. REPORTING REQUIREMENTS:

Periodic work program progress reports will be submitted not later than

February 1, 2004 - August 1, 2004

February 1, 2005 - August 1, 2005

February 1, 2006 - August 1, 2006

A final work program report and associated products will be submitted by August 1, 2006.

Attachment A: Overall Budget Detail for 2003 Projects - Summary and Budget

Proposal Title: Bucks and Buckthorn: Engaging Young Hunters in Restoration (11b)

Project Manager Name: Wiley Buck

LCMR Requested Dollars: \$ 255,000.00

2003 LCMR Proposal Budget	Result 1 Budget approved 3/24/06	Revised Result 1 Budget revised 6-30-06	Amount Spent (6-30-06)	Balance 6/30/06	Result 2 Budget approved 3/24/06	Revised Result 2 Budget revised 6-30-06	Amount Spent (6/30/06)	Balance 6/30/06	REVISED TOTAL FOR BUDGET ITEM 6/30/06	Total Balance 6/30/06
BUDGET ITEM										
GRG PERSONNEL: Staff Expenses, wages, salaries										
Project Manager, Cathcart>Buck: .06 FTE/3yr					9,948.68	11,189.02	11,189.02	-		
Project Assistant, Wenz: .025 FTE/3yr					1,630.00	2,223.61	2,223.61	-		
Operations manager, Jensen: .1 FTE/2yr					2,083.22	2,083.22	2,083.22	-		
Field Manager, Shaw: .1 FTE/2yr					2,040.00	951.06	951.06	-		
Field Coordinator, Hammerschmidt: .4 FTE/2yr					8,400.00	8,301.69	8,301.69	-		
Ecologist, Harris: .1 FTE/2yr					3,300.00	2,896.35	2,896.35	-		
Volunteer Manager, Stubblefield: .36 FTE/2yr					42,660.00	11,941.33	11,941.33	-		
Office Assistant, Nielsen, Gagner: .26 FTE/2yr					6,356.00	6,528.56	6,528.56	-		
Restoration Technician, Bates>Lind: .351 FTE/2yr					7,403.28	7,204.05	7,199.79	4.26		
Restoration Technician, (temp): .355 FTE/2yr					6,422.40	6,194.70	6,194.70	-		
Restoration Technician, (temp): .355 FTE/2yr					3,782.50	3,782.50	3,782.50	-		
Subtotal:					63,296.09	63,296.09	63,291.83	4.26	63,296.09	4.26
GRG PERSONNEL: Staff benefits – Medical, FICA and employer retirement contribution										
Project Manager, Cathcart>Buck					1,084.39	1,185.62	1,185.62	-		
Project Assistant, Wenz					306.05	486.96	486.96	-		
Operations manager, Jensen					273.47	273.47	273.47	-		
Field Manager, Shaw					568.48	472.96	233.88	239.08		
Field Coordinator, Hammerschmidt					1,590.00	1,590.00	1,551.91	38.09		
Ecologist, Harris					811.34	811.34	719.67	91.67		
Volunteer Manager, Stubblefield					1,984.47	1,621.57	1,565.83	55.74		
Office Assistant, Nielsen, Gagner					1,553.82	1,723.50	1,723.50	-		
Restoration Technician, Bates>Lind					1,513.78	1,513.78	1,380.33	133.45		
Restoration Technician, (temp)					740.00	740.00	728.57	11.43		
Restoration Technician, (temp)					207.65	207.65	207.65	-		
Subtotal:					10,626.85	10,626.85	10,057.39	569.46	10,626.85	569.46
GRG Contracts										
Forkhorn Camp Contract, Camp Kiwana's Boy Scouts of America, field labor, SMM for research assistance.	29,300.00	29,300.00	29,300.00	-	6,600.00	6,600.00	5,381.10	1,218.90		
Subtotal:	29,300.00	29,300.00	29,300.00	-	6,600.00	6,600.00	5,381.10	1,218.90	35,900.00	1,218.90
Equipment / Tools										
GRG Field supplies: (items that are necessary to complete restoration & restoration research work that may include chainsaw supplies, chaps and helmets, pesticide bottles and sprayers, gloves, safety glasses, pin flags, flagging tape, stakes, misc. parts for equipment and other expendables)					3,589.00	3,809.54	3,779.54	30.00		
GRG Field equipment (chainsaws, backpack sprayers, bowsaws, shovels, pulaskis, weed wrenches, loppers, and other items that are necessary to complete restoration work)					1,986.83	2,449.40	2,449.40	-		
GRG Prescribed burn equipment/supplies: (items that are necessary for prescribed burning practices that may include nomex clothing, helmets, goggles, shrouds, backpack sprayers, flappers, drip torches, and other equipment that may be necessary)					1,866.50	1,866.50	1,845.61	20.89		
GRG Capital Equipment (ATV)					9,058.99	9,058.99	9,058.99	-		
GRG Chemicals:					2,000.00	1,320.89	1,222.81	98.08		
Subtotal:					18,505.32	18,505.32	18,356.35	148.97	18,505.32	148.97
GRG - Other direct operating costs										
Automobile mileage					4,500.00	1,598.80	1,598.80	-		
Permits/fees					600.00	501.20	45.00	456.20		
Vehicle rental					3,200.00	3,200.00	3,200.00	-		
Vehicle upkeep					900.00	900.00	900.00	-		
Subtotal:					6,200.00	6,200.00	5,743.80	456.20	6,200.00	456.20
GRG - Communications, telephone, mail, etc.					960.00	960.00	708.84	251.16	960.00	251.16
GRG - Other Supplies										
GRG Event supplies: (supplies that are necessary for holding volunteer events for volunteers participating in the restoration of the sites which may include food, beverages, rental of tents, portable toilets, sound systems, and other, and other supplies n					5,711.74	5,711.74	5,635.76	75.98		
Subtotal:					5,711.74	5,711.74	5,635.76	75.98	5,711.74	75.98
GRG - Other land improvement										
Plant material					4,000.00	4,000.00	2,097.70	1,902.30		
Subtotal:					4,000.00	4,000.00	2,097.70	1,902.30	4,000.00	1,902.30
GRG SUBTOTAL (attachment A-I)	29,300.00	29,300.00	29,300.00	-	115,900.00	115,900.00	111,272.77	4,627.23	145,200.00	4,627.23
SMM PERSONNEL: Staff Expenses, wages, salaries										
FTE/3yrs	8,730.00	8,730.00	8,730.00	-	28,385.00	27,810.81	27,810.81	-		
Student Intern: .25 FTE/2yrs					44,450.00	11,805.00	11,805.00	-		
SMM Educator, Oehlenschlaeger: .1 FTE/2yrs	9,000.00	9,273.86	9,273.86	-	-	-	-	-		
Warner Nature Center Naturalist	1,100.00	1,100.00	1,100.00	-	-	-	-	-		
(Per 3/24/06 approval, SMM Wages and Benefits subtotal are combined)										
SMM PERSONNEL: Staff benefits – Medical, FICA and employer retirement contribution										
AssociateScientist, Schottler	2,270.00	2,270.00	2,270.00	-	8,645.00	8,712.15	8,712.15	-		
Student Intern	-	-	-	-	1,450.00	1,061.08	1,061.08	-		
SMM Educator, Oehlenschlaeger	2,490.00	2,509.43	2,509.43	-	-	-	-	-		
Subtotal:	23,690.00	23,883.29	23,883.29	-	49,500.00	49,389.04	49,389.04	-	73,272.33	-
SMM Contracts										
Andy Weaver and/or assistant, Youth Mentor Coordinator and Hunting Organizers	16,640.00	16,583.97	16,583.97	-	-	-	-	-		
Subtotal:	16,640.00	16,583.97	16,583.97	-	-	-	-	-	16,583.97	-
SMM Equipment / Tools										
SCWRS Field equipment (chainsaws, backpack sprayers, shovels, pulaskis, weed wrenches, loppers, and other items that are necessary to complete restoration work, hunting stands, bows, arrows, misc. archery supplies)	4,918.00	4,918.00	4,918.00	-	3,500.05	3,500.05	3,500.05	-		
Subtotal:	4,918.00	4,918.00	4,918.00	-	3,500.05	3,500.05	3,500.05	-	8,418.05	-
SMM - Other Land Improvement										
SCWRS Supplies: (items that are necessary to complete restoration work that may include chainsaw supplies, chaps and helmets, pesticide bottles and sprayers, gloves, safety glasses, pin flags, flagging tape, stakes, misc. for equipment and other exp	3,796.00	3,638.70	3,638.70	-	7,886.95	7,886.95	7,886.95	-		
Subtotal:	3,796.00	3,638.70	3,638.70	-	7,886.95	7,886.95	7,886.95	-	11,525.65	-
SMM SUBTOTAL (attachment A-II)	48,843.00	49,023.96	49,023.96	-	60,887.00	60,776.04	60,776.04	-	109,800.00	-
COLUMN TOTAL	78,243.00	78,323.96	78,323.96	-	176,787.00	176,676.04	172,048.81	4,627.23	255,000.00	4,627.23

Attachment A-I: GRG Budget Detail for 2003 Projects - Summary and Budget

Proposal Title: Bucks and Buckthorn: Engaging Young Hunters in Restoration (11b)

Project Manager Name: Wiley Buck

Revised LCMR Requested Dollars: \$145,200

2003 LCMR Proposal Budget	Result 1 Budget approved 3/24/06	Revised Result 1 Budget revised 6-30- 06	Amount Spent (6-30-06)	Balance 6/30/06	Result 2 Budget approved 3/24/06	Revised Result 2 Budget revised 6-30- 06	Amount Spent (6/30/06)	Balance 6/30/06	REVISED TOTAL FOR BUDGET ITEM 6/30/06
BUDGET ITEM									
GRG PERSONNEL: Staff Expenses, wages, salaries									
Project Manager, Cathcart>Buck: .06 FTE/3yr					9,949.68	11,189.02	11,189.02	-	
Project Assistant, Wenz: .025 FTE/3yr					1,530.00	2,223.61	2,223.61	-	
Operations manager, Jensen: .1 FTE/2yr					2,083.22	2,083.22	2,083.22	-	
Field Manager, Shaw: .1 FTE/2yr					2,040.00	951.06	951.06	-	
Field Coordinator, Hammerschmidt: .4 FTE/2yr					8,400.00	8,301.69	8,301.69	-	
Ecologist, Harris: .1 FTE/2yr					3,300.00	2,896.35	2,896.35	-	
Volunteer Manager, Stubblefield: .36 FTE/2yr					12,660.00	11,941.33	11,941.33	-	
Office Assistant, Nielsen, Gagner: .26 FTE/2yr					6,356.00	6,528.56	6,528.56	-	
Restoration Technician, Bates>Lind: .351 FTE/2yr					7,403.29	7,204.05	7,199.79	4.26	
Restoration Technician, (temp): .355 FTE/2yr					6,422.40	6,194.70	6,194.70	-	
Restoration Technician, (temp): .355 FTE/2yr					3,782.50	3,782.50	3,782.50	-	
Subtotal:					63,296.09	63,296.09	63,291.83	4.26	63,296.09
GRG PERSONNEL: Staff benefits - Medical, FICA and employer retirement contribution									
Project Manager, Cathcart>Buck					1,081.39	1,185.62	1,185.62	-	
Project Assistant, Wenz					306.05	486.96	486.96	-	
Operations manager, Jensen					273.47	273.47	273.47	-	
Field Manager, Shaw					668.48	472.96	233.88	239.08	
Field Coordinator, Hammerschmidt					1,590.00	1,590.00	1,551.91	38.09	
Ecologist, Harris					811.34	811.34	719.67	91.67	
Volunteer Manager, Stubblefield					1,081.47	1,621.57	1,565.83	55.74	
Office Assistant, Nielsen, Gagner					1,553.82	1,723.50	1,723.50	-	
Restoration Technician, Bates>Lind					1,513.78	1,513.78	1,380.33	133.45	
Restoration Technician, (temp)					740.00	740.00	728.57	11.43	
Restoration Technician, (temp)					207.65	207.65	207.65	-	
Subtotal:					10,626.85	10,626.85	10,057.39	569.46	10,626.85
Contracts									
Forkhorn Camp Contract, Camp Kiwana's Boy Scouts of America, field labor, SMM for research assistance.	29,300.00	29,300.00	29,300.00	-	6,600.00	6,600.00	5,381.10	1,218.90	
Subtotal:	29,300.00	29,300.00	29,300.00	-	6,600.00	6,600.00	5,381.10	1,218.90	35,900.00
GRG Equipment / Tools									
GRG Field supplies: (items that are necessary to complete restoration & restoration research work that may include chainsaw supplies, chaps and helmets, pesticide bottles and sprayers, gloves, safety glasses, pin flags, flagging tape, stakes, misc. parts for equipment and other expendables)					3,593.00	3,809.54	3,779.54	30.00	
GRG Field equipment (chainsaws, backpack sprayers, bowsaws, shovels, pulaskis, weed wrenches, loppers, and other items that are necessary to complete restoration work)					1,986.83	2,449.40	2,449.40	-	
GRG Prescribed burn equipment/supplies: (items that are necessary for prescribed burning practices that may include nomex clothing, helmets, goggles, shrouds, backpack sprayers, flappers, drip torches, and other equipment that may be necessary)					1,866.50	1,866.50	1,845.61	20.89	
GRG Capital Equipment (ATV)					9,058.99	9,058.99	9,058.99	-	
GRG Chemicals:					2,000.00	1,320.89	1,222.81	98.08	
Subtotal:					18,505.32	18,505.32	18,356.35	148.97	18,505.32
GRG - Other direct operating costs									
Automobile mileage					1,500.00	1,598.80	1,598.80	-	
Permits/fees					600.00	501.20	45.00	456.20	
Vehicle rental					3,200.00	3,200.00	3,200.00	-	
Vehicle upkeep					900.00	900.00	900.00	-	
Subtotal:					6,200.00	6,200.00	5,743.80	456.20	6,200.00
GRG - Communications, telephone, mail, etc.					960.00	960.00	708.64	251.16	960.00
GRG - Other Supplies									
GRG Event supplies: (supplies that are necessary for holding volunteer events for volunteers participating in the restoration of the sites which may include food, beverages, rental of tents, portable toilets, sound systems, and other and other supplies n					5,711.74	5,711.74	5,635.76	75.98	
Subtotal:					5,711.74	5,711.74	5,635.76	75.98	5,711.74
Other land improvement									
ant material					4,000.00	4,000.00	2,097.70	1,902.30	
Subtotal:					4,000.00	4,000.00	2,097.70	1,902.30	4,000.00
GRG SUBTOTAL (attachment A-I)	29,300.00	29,300.00	29,300.00	-	115,900.00	115,900.00	111,272.77	4,627.23	145,200.00

Budget revisions approved 7/27/06

Attachment A-II: SCWRS Budget Detail for 2003 Projects - Summary and Budget

Proposal Title: Bucks and Buckthorn: Engaging Young Hunters in Restoration (11b)

Project Manager Name: St. Croix Watershed Research Station

Contract # A66795

Revised LCMR Requested Dollars: \$109,800

2003 LCMR Proposal Budget	Result 1 Budget approved 3/24/06	Revised Result 1 Budget revised 6-30-06	Amount Spent (6-30-06)	Balance 6/30/06	Result 2 Budget approved 3/24/06	Revised Result 2 Budget revised 6-30-06	Amount Spent (6/30/06)	Balance 6/30/06	REVISED TOTAL FOR BUDGET ITEM 6/30/06
	Pilot Hunting Program				Restoration & Research Activities				
BUDGET ITEM									
SMM PERSONNEL: Staff Expenses, wages, salaries									
Associate Scientist, Schottler: .27 FTE/3yrs	8,730.00	8,730.00	8,730.00	-	28,385.00	27,810.81	27,810.81	-	
Student Intern: .25 FTE/2yrs				-	11,450.00	11,805.00	11,805.00	-	
FTE/2yrs	9,000.00	9,273.86	9,273.86	-	-	-	-	-	
Warner Nature Center Naturalist	1,100.00	1,100.00	1,100.00	-	-	-	-	-	
(Per 3/24/06 approval, SMM Wages and Benefits subtotal are combined):				-					
SMM PERSONNEL: Staff benefits – Medical, FICA and employer retirement contribution									
AssociateScientist, Schottler	2,270.00	2,270.00	2,270.00	-	8,545.00	8,712.15	8,712.15	-	
Student Intern	-	-	-	-	1,450.00	1,061.08	1,061.08	-	
SMM Educator, Oehlenschlaeger	2,490.00	2,509.43	2,509.43	-	-	-	-	-	
Subtotal:	23,590.00	23,883.29	23,883.29	-	49,500.00	49,389.04	49,389.04	-	73,272.33
SMM Contracts									
Andy Weaver and/or assistant, Youth Mentor Coordinator and Hunting Organizers	16,640.00	16,583.97	16,583.97	-	-	-	-	-	
Subtotal:	16,640.00	16,583.97	16,583.97	-	-	-	-	-	16,583.97
SMM Equipment / Tools									
SCWRS Field equipment (chainsaws, backpack sprayers, shovels, pulaskis, weed wrenches, loppers, and other items that are necessary to complete restoration work, hunting stands, bows, arrows, misc. archery supplies)	4,918.00	4,918.00	4,918.00	-	3,500.05	3,500.05	3,500.05	-	
Subtotal:	4,918.00	4,918.00	4,918.00	-	3,500.05	3,500.05	3,500.05	-	8,418.05
SMM - Other Land Improvement									
SCWRS Supplies: (items that are necessary to complete restoration work that may include chainsaw supplies, chaps and helmets, pesticide bottles and sprayers, gloves, safety glasses, pin flags, flagging tape, stakes, misc. parts for equipment and other exp	3,795.00	3,638.70	3,638.70	-	7,886.95	7,886.95	7,886.95	-	
Subtotal:	3,795.00	3,638.70	3,638.70	-	7,886.95	7,886.95	7,886.95	-	11,525.65
COLUMN TOTAL	48,913.00	49,023.96	49,023.96	-	60,887.00	60,776.04	60,776.04	-	109,800.00