

FY 2004 SUMMARY
USACE / SCA CONSERVATION INTERN & CREW PARTNERSHIPS

GEORGIA

Richard B. Russell Project

52 week intern: 2/17/04-2/16/05

Containing 53,000 acres of land and water (Russell Lake) in the Piedmont of both Georgia and South Carolina, Richard B. Russell Project on the upper Savannah River serves purposes of flood control, hydropower, recreation, and natural resource management. Intern will provide GIS/GPS support for project staff. Responsibilities include: establish new themes and associated databases, 20%; assist in identifying new uses for the project's GIS/GPS system for managing natural and cultural resources and facilities, 20%; assist with development of GIS applications, 20%; perform data entry and developing maps, 20%; performing minor troubleshooting on the system, 10%; working with GIS/GPS support staff throughout the Savannah District to troubleshoot system and establish new themes, 5%; assist in training staff in GIS applications and use, 5%. Training/Educational opportunities: first aid/CPR, defense driving, and boat operator's license training. Require: US citizenship; valid driver's license; associate or technical degree or higher in GIS/GPS studies; solid working knowledge of ESRI, ArcView 3.1 and ARCGIS 8 software; solid understanding of GIS/GPS applications; ability to work with minimal supervision; willingness to serve outdoors in all kinds of weather and temperature extremes with possible exposure to allergens and poisonous or biting insects, other animals, and plants. Desire: bachelor's degree or higher in GIS/GPS studies; educational background or experience in natural resource management; working knowledge of Trimble Pathfinder or other GPS software; familiarity with large natural resource management programs.

IDAHO

Dworshak Reservoir

26 week intern: 5/3/04-11/1/04

Dworshak Reservoir is a 50 mile reservoir in north-central Idaho surrounded by steep mountainous forestland with little motorized access. The area is fairly primitive and recreationists and employees access the reservoir primarily by boat or hiking. The Natural Resource Management Team at Dworshak manages the natural resources within 30,000 acres of land surrounding the reservoir. This involves managing for forest health, ecosystem health, and wildlife habitat. Wildlife species that occur on the reservoir include gray wolf, black bear, mountain lion, moose river otter, elk, deer, bald eagle, and osprey to mention some. Responsibilities include: locate, identify, and conduct GPS surveys of noxious weed populations, 40%; perform vegetation surveys to monitor and evaluate the effectiveness of wildlife habitat and ecosystem management projects, 30%; inspect and document the conditions of gates and barricades in remote locations, 15%; conduct wildlife population and monitoring surveys, 15%. Training/Educational opportunities: boat, ATV, GPS, and map reading training provided. Intern will have an opportunity to develop and/or improve programs such as developing a long-term monitoring program for various habitat enhancement projects. Require: valid driver's license; ability to drive a manual transmission vehicle; ability to drive a 4WD vehicle; training and/or experience in plant and noxious weed identification; ability to work independently in rugged terrain and (at times) during inclement weather. Desire: Bachelor's degree in a natural resource related field; training and/or experience in Pacific Northwest plant and noxious weed identification; experience operating motor boats and ATVs; training and/or experience using GPS units; map reading and orientation skills.

ILLINOIS

Lake Shelbyville

30 day Conservation (High School) Crews (3). Six members, two leaders.
Campsite construction, trail reconstruction/maintenance and trail bridge repair.

LOUISIANA

Louisiana Field Office

52 week intern: 12/1/03-11/29/04

Located 22 miles northeast of Shreveport, Louisiana, Interns will have an opportunity to learn about diverse water resources projects. Responsibilities include: performing management, planning and administrative duties such as writing, rewriting, and revising master plans and operational management plans for Wallace Lake Dam and Bayou Bodcau Dam/Reservoir, gathering, compiling, and interpreting data for management utilization, developing short term management objectives through interviews, site visits, and research, (may include assisting park rangers and foresters in filing, answering inquiries from the public, and preparing weekly/quarterly/monthly reports), 50%; assisting GIS/GPS Park Ranger with developing GIS products required for master planning and operational plans (may utilize previous completed work as examples), 20%; assisting park rangers and foresters in recreation resource management duties such as visitor assistance, interpretation, trail maintenance, and facility inspection, 15%; assisting reservoir foresters and park rangers in marking timber and/or timber inventory (may participate in wildlife surveys and/or inventories), 10%; participating in inspection of flood control facilities, providing surveillance during times of high water, 5%; Interns will receive on - the - job preparation of management plans, GIS/GPS usage, timber management, recreation management, flood control management, wildlife surveys/inventories, and safety training provided. Require: valid driver's license; ability to drive a 4WD vehicle; ability to utilize diverse computer programs including Word, Excel, PowerPoint, ArcView, ArcGIS; ability to gather, compile, interpret, and present data in required format; ability to communicate effectively in writing as well as in person; ability to work as a team member and promote harmony in the workgroup; ability to work shifts/weekends/holidays; ability to work in different conditions; ability to navigate backcountry areas; ability to lift 50lbs. Desire: ability to driver a manual transmission vehicle; academic background in forestry, recreation management, wildlife biology, history, engineering, public relations, journalism, English, political science or any related field.

MASSACHUSETTS

Buffumville Lake

12 week intern: 4/15/04-7/10/04

The Army Corps of Engineers manages the natural resources around this reservoir for multiple uses, including wildlife habitat, outdoor recreation, watershed protection and flood control. Responsibilities include: patrolling and maintaining trails, 25%; assisting park rangers with programs and tours, 20%; assisting staff with minor maintenance, 20%; assisting with natural resource projects, 15%; inspecting recreation areas, 10%; maintaining contacts with the public and assisting with public relations and informal surveys, 5%; other administrative and clerical duties, 5%. Position involves extensive trail hiking and outdoor work. First aid, CPR, and defensive driving training provided. Require: valid driver's license; interest in conservation and environmental work; ability to hike and work in the outdoors; ability to perform minor maintenance tasks; ability to follow directions and work with minimal supervision. Desire: academic background in natural resources and/or recreation; experience in public relations and/or public speaking or related field.

East Brimfield Lake

12 week intern. 1/5/04-3/26/04

Located in Massachusetts about an hour's drive southeast of Boston near Old Sturbridge Village, East Brimfield Lake area and surroundings contain a 360-acre reservoir, smaller ponds, rolling forested terrain, wetlands, hiking trails, a canoe trail, and boating opportunities. Intern will assist senior ranger staff with collection of information regarding the history of two village's no longer in existence. Responsibilities include: review existing information compiled over the past three years to help assess where additional data are needed, 30%; arrange, conduct, and record interviews with individuals who lived in or near these villages, 30%; transcribe new information collected in a form that will be the basis for future publications on these lost villages, 40%.

Training/Educational opportunities: computer software, safe driving, and first aid/CPR (if needed).

Require: academic background in history, natural resources management, and/or cultural resources/archaeology; valid driver's license; ability to operate 4WD vehicle. Desire: computer experience with Word, spreadsheets, and/or PowerPoint.

West Hill Dam & Charles River NVSA

12 week intern. 2/1/04-4/25/04

The primary work area will be the Charles River Natural Valley Storage Area 8,400 acres of wetlands nestled in 17 towns along the Charles River starting in Boston, Massachusetts. These wetlands are only at an elevation of about 90 to 126 feet above sea level and follow the Charles River through typical New England swamps. Weather- New England winter weather- snow ice and rain can be expected. Average temperatures can range from below zero to 32 degrees to low 30s to 40s at times. Responsibilities include: locate Corps boundary lines and markers (using GPS Trimble Geoexplorer- 3: version- 2.90), gathering data, and entering into database for export into Arcview GIS; scan survey related documents; install Carsonite markers/signs as directed. Training/Educational opportunities: on-the-job training for use of Trimble GeoExplorer- 3 and Arcview software available. Require: valid driver's license; ability to driver 4WD vehicle; provide own personal protective equipment/clothing; comfortable away from home and family; college course and lab work or volunteer/paid experience with ArcView 8.X Trimble Geo-Explorer- 3; physically able to walk up to 1 to 2 miles with equipment (about 20 pounds). Desire: college course work lab or volunteer/paid experience with ArcView 8.X Trimble Geo-Explorer-3 (GPS handheld) and computer skills (Windows 2000 NT) helpful.

VERMONT

Upper Connecticut River Basin

12 week interns. 5/15/04-8/15/04

The Upper Connecticut River Basin area consists of 7 flood control reservoirs and adjacent lands totaling about 8,000 acres of wetlands, hills, and valleys in southeastern Vermont and southwestern New Hampshire. Responsibilities include: assist with various wildlife inventories (small mammals, birds, reptiles) in a variety of habitats and locations, 75%; assist with a variety of resource management activities, 15%; computer data entry, 10%. Training/Educational opportunities: inventory and monitoring protocols; CPR/first aid; defensive driving. Require: interest in natural resources field work; ability to work in inclement weather; willingness to learn; valid driver's license. Desire: experience with computers and GPS; skill in identifying birds by sight and sound; ability to handle small mammals.

30 day Conservation (High School) Crews (2). Six members, two leaders.

Trail reconstruction/maintenance and invasive plant removal.

WASHINGTON

Chief Joseph Dam

21 day Conservation (High School) Crew. Six members, two leaders.

Trail maintenance and invasive plant removal.

