

FY 2005 SUMMARY
USACE / SCA CONSERVATION INTERN & CREW PARTNERSHIPS

IDAHO

Dworshak Reservoir, US Army Corps of Engineers

26 week intern: 5/30/2005 - 11/30/2005

This position, a great mix of Botany and GPS, will help you gain diverse conservation experience in a dramatic and remote setting. Dworshak Reservoir is a remote 50-mile reservoir in north-central Idaho that is surrounded by steep mountainous forest. Access is by boat or hiking. You will work with The Natural Resource Management Team that manages the resources within the 30,000-acres of land surrounding the reservoir. Wildlife species that occur on the reservoir include gray wolf, black bear, mountain lion, river otter, elk, deer, bald eagle, and osprey.

Website: <http://www.nww.usace.army.mil/corpsoutdoors/dwa/visctr.htm> Responsibilities include: locate, identify, and GPS noxious weed populations, 50%; conduct vegetation surveys to monitor and evaluate the effectiveness of wildlife habitat and ecosystem management projects, 25%; conduct wildlife population and monitoring surveys, 15%; inspect and document the conditions of gates and barricades in remote locations, 10%. Training/Educational opportunities: boat; ATV; GPS; map reading and orientation skills training. Opportunity to work on independent projects. Require: valid driver's license; ability to drive 4WD and manual transmission vehicles; training and/or experience in plant and noxious weed identification; ability to work independently in rugged terrain and at times during inclement weather. Desire: BA/BS in 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.

26 week intern: 5/30/2004 -11/28/2004.

Responsibilities include: Locating identifying and GPSing noxious weed populations 50% Vegetation surveys to monitor and evaluate the effectiveness of wildlife habitat and ecosystem management projects 25%. Inspect and document the conditions of gates and barricades in remote locations 10%. Conduct wildlife population and monitoring surveys 15%. EDUCATIONAL OPPORTUNITIES: Many of the CAs duties will involve working independantly on projects. The CA will have opportunity to develop and/or improve programs. An example would be to develop a long-term monitoring program for various habitat enhancement projects. Most days will be "field trips". TRAINING: Boat training ATV training GPS training map reading and orientation. Require: Training and/or experience in plant and noxious weed identification. Ability to work independantly in rugged terrain and at times during inclement weather. Desire: BA 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.

ILLINOIS

Lake Shelbyville

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

Campsite construction, trail reconstruction/maintenance and trail bridge repair.

KENTUCKY

Buckhorn Lake

12 week intern: 4/1/2005 - 6/25/2005.

Attention GIS/GPS enthusiast! Your field is growing and people like you are in demand. Buckhorn Lake, in Leslie and Perry counties in Southeastern Kentucky, is situated in the Cumberland Plateau of eastern Kentucky. Buckhorn Lake was authorized by the Flood Control Act of 1938. The Louisville District of the US Army Corps of Engineers designed built and operates the project to reduce flood damages downstream from the dam. This is an area that possesses a

landscape as rugged and extraordinary as any found in the state. The plateau is deeply traversed by a series of narrow winding valleys separated by steep watersheds and covered by a network of continuously branching streams. Originating in the southeast and flowing generally northwestward, the Kentucky River is one of this region's major rivers. Responsibilities include: gather and collect GPS data and transfer it into project GIS server, 50%; plot and mark project boundary near proposed hiking trail areas, 10%; organize and assist volunteers in constructing new hiking trails, 25%; assist Park Ranger staff with various natural resources and public relations related projects, 15%. Training/Educational opportunities: Department of Defense Information Assurance Training; defensive driving; POSH (Prevention of Sexual Harassment); CPR; Safe Self Visitor Assistance Training; bloodborne pathogens; CO2 (Consideration of Others). Require: valid driver's license; ability to drive manual transmission vehicles; intermediate computer and word processing skills. Desire: background in forestry, natural resources or recreation.

MASSACHUSETTS

Buffumville Lake, U.S. Army Corps of Engineers

12 week intern: 4/15/2005 - 7/10/2005.

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. Position involves extensive trail hiking and outdoor work. Responsibilities include: patrol and maintain trails, 25%; assist park rangers with programs and tours, 20%; assist staff with minor maintenance, 20%; assist with natural resource projects, 15%; inspect recreation areas, 10%; maintain contacts with the public and assist with public relations and informal surveys, 5%; other administrative and clerical duties, 5%. Training/Educational opportunities: first aid/CPR, and defensive driving. 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.

Cape Cod Canal

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

Boardwalk construction through salt marsh.

West Hill Dam & Charles River NVSA

12 week Intern: 10/11/2004 - 1/10/2005.

26 week interns: (2) 5/2/2005 - 11/2/2005.

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..

NEW HAMPSHIRE

Hopkinton - Everett Lakes

52 week intern: 6/1/2005 - 5/31/2006

Geographic Information Systems and Global Positioning Systems are just some of the resume-building skills you'll receive at this internship site. Located in the south central portion of New Hampshire, with approximately 8000 acres of forest, lakes, fields, and wetlands, the Hopkinton-Everett Lakes Project is in close proximity to ski areas, lakes and ponds, state parks and only one hour away from either the White mountains or the Atlantic coast. Responsibilities include: digitize layers using GIS; research deed and historical properties; create and populate attribute tables; scan documents creating PDF files and hot linking, georeferencing, survey and engineering plans and aerial photos; map and plot with GPSTrimble Unit; map forest cover type and digitize using Digital Transfer Scope; create layouts and queries for reports; work with and create links to databases incorporating State data. Training/Educational opportunities: defensive driving; first aid/CPR; on-the-job training. Getting to Know Arc GIS ESRI course to include: ArcGIS I & II(5 days), Optem Digital Transfer Scope Training (1 day) and GPS Trimble (1 day) training. You will attend the ESRI New England Conference with one paid ESRI course of your choice. This includes travel, lodging and meals plus vehicle mileage if using private vehicle and is contingent upon performance and contributions with the MRB GIS initiatives. You will also be part of the project presentation at this conference. Require: valid driver's license; geography major or other disciplines using GIS; familiarity with ArcGIS 8.3; knowledge of digitization.

PENNSYLVANIA

Raystown Lake

26 week intern: 1/3/2005 - 6/3/2005

Raystown Lake is a Corps of Engineers Flood Control project with over 30,000 acres of land and water. The lake supports an active recreation and land stewardship program with over 1.5 million visitors each year and is located in the ridge and valley region of Central Pennsylvania .

Raystown Lake has numerous recreation areas, boat launches, beaches, marinas, playgrounds, pavilions and a new visitor center. Responsibilities include: serves as assistant to the ranger staff on all interpretive programs; enhances existing and new interpretive programs for both on and off-site programs; create and conduct power point presentations; initiate or assist with creation or revision of interpretive materials such as guidebooks, brochures, trail signs, visitor center exhibits and audio-visual productions; select and organize material to fit the purpose for the program and type of group for which it is to be presented; presents a variety of formal interpretive programs both on and off site involving community civic group project updates; provide environmental and water safety education for school groups; represent the Corps at career fairs and sportsman shows; provide tours of the visitor center to public and school groups; evaluate and track attendance of evening program; assure that all project bulletin boards and other informational media are refreshed and updated on a regular basis with appropriate subject topics; coordinate updates of project publications such as flyers, handouts, newsletters and reports; perform visitor assistance and other duties as assigned. Training/Educational opportunities: Red Cross, CPR/first aid, hazard communication, computer security, defensive driving training, boater safety (possible). Require: Bachelors or Associates degree or experience in recreation, park management, interpretation or natural resources field; experience and skill in public presentations and organizing programs for public use; good verbal and computer skills; ability to work with other people and the general public; good organization skills; valid driver's license; ability to drive 4WD. Desire: experience working at a park or camp conducting interpretation or education programs.

VERMONT

Upper Connecticut River Basin

52 week intern: 10/17/2004 -10/16/2005

Geographic Information Systems and Global Positioning Systems are being used by researchers all around the world. As an intern with the Upper Connecticut River Basin, you'll work with these exciting technologies while getting to know parts of Vermont & New Hampshire. The Basin consists of seven reservoirs located on tributaries of the Connecticut River in southeastern Vermont and southwestern New Hampshire. Responsibilities include: GIS/GPS related duties 80%; other- mainly natural resources related 20%. Training/Educational opportunities: defensive driving; first aid /CPR; on the job training. Require: knowledge of ArcGIS 8.x, Trimble GeoExplorer GPS, various computer software. Desire: ability to swim; sense of humor.

12 week interns. 5/15/2005 - 8/15/2005

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) Crew. 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 & invasive plant removal.