



## Great Smoky Mountains National Park 2011 Internships

Great Smoky Mountains National Park is recruiting for several 3-6 month Internships available for college students and recent graduates who would like to gain valuable work experience while helping us protect the cultural and natural resources in the park through education, research, and management.

Ridge upon ridge of forest straddles the border between North Carolina and Tennessee in Great Smoky Mountains National Park (GRSM), the largest expanse of wilderness east of the Mississippi River. World- renowned for its diversity of plant and animal life, the beauty of its ancient mountains, and the quality of its remnants of Southern Appalachian mountain culture, it is America's most visited national park.

GRSM has the most biological diversity of any area in the world's temperate zone. Thus, the park is a sanctuary for a magnificent array of animal and plant life. Outdoor recreational opportunities also abound in the park and local area. GRSM alone contains 10 campgrounds, 2,000 miles of stream, almost 900 miles of trails and 89 backcountry campsites. The park boasts sections of three long-distance trails, including over 70 miles of the world-famous Appalachian Trail.

Interns receive dorm housing, uniform shirt, and a weekly stipend (\$125), but are responsible for their own travel expenses to the park. A personal vehicle is encouraged to facilitate off-duty use since public transportation is limited in the area.

**Application materials must be mailed to the appropriate supervisor by the following dates:**

	<b><u>Application Due Date</u></b>
<b>Summer Internship Position</b>	<b>March 1, 2011</b>
<b>Fall Internship Position</b>	<b>June 1, 2011</b>
<b>Winter/Spring Internship Position</b>	<b>September 1, 2011</b>

The following Internships are available in 2011. Please see the attached position descriptions for duties, responsibilities, skills needed, and application procedures.

*\*For general questions about the internship program, you may contact Volunteer Coordinator, Dana Soehn, at (865) 436-1265 or [dana\\_soehn@nps.gov](mailto:dana_soehn@nps.gov).*

## Great Smoky Mountains National Park 2011 Internship

---

**POSITION TITLE:** Botany Intern  
1 summer position

**LENGTH OF APPOINTMENT:** 12 weeks (May - August)

**STIPEND:** \$125 per week + housing



Great Smoky Mountains National Park is recruiting qualified students for a summer internship in the Inventory and Monitoring Branch. The position is primarily field oriented and will assist in collecting and compiling data to protect rare and endangered plant species and assess impacts to target plant species.

### **DESCRIPTION OF DUTIES:**

Rare Plant Monitoring: Assist with various botanical projects such as field monitoring of threatened and endangered plants. This will involve locating, mapping, and sampling target populations in backcountry areas, and detailed data collection.

General: Other short-term duties may include:

- assisting with other ecological projects in the Park
- laboratory work on specimen identification and preservation
- long-term vegetation monitoring
- herbarium specimen preparation
- computer data entry

### **SKILLS NEEDED:**

Academic background in biological sciences. Preferred interest in botany. Ability to hike/backpack in steep mountainous terrain. Be part of a team that operates safely and communicates clearly.

### **HOW TO APPLY:**

Application materials must be received by **March 1<sup>st</sup>, 2011**. Send resume, 3 references, and copy of transcripts to:

**Janet Rock, Botanist**  
Great Smoky Mountains National Park  
1316 Cherokee Orchard Road  
Gatlinburg, TN 37738  
(865) 430-4743  
janet\_rock@nps.gov



## Great Smoky Mountains National Park 2011 Internship

**POSITION TITLE:** Forest Ecology Intern  
2 summer positions

**LENGTH OF APPOINTMENT:** 12 weeks (May - August)

**STIPEND:** \$125 per week + housing



Great Smoky Mountains National Park is recruiting qualified students for a summer internship in the Inventory and Monitoring Branch. The position is primarily field oriented and will assist in digitally mapping vegetation communities, assist with wetlands identification, mapping, and classification, and monitor high elevation plots in spruce-fir forests throughout the park.

### DESCRIPTION OF DUTIES:

-Vegetation community mapping: Serve on a field crew that digitally maps vegetation communities throughout the backcountry. Duties will include using Trimble GPS Equipment and ArcGIS software to digitally map vegetation communities.

-Wetlands identification: Assist with locating, identifying, and mapping wetlands in selected watersheds. Duties will include inventorying plant life in wetlands, assessing wetland characteristics and conditions, and using Trimble GPS equipment to map wetlands.

-Spruce-fir monitoring project: Assist with the sampling of overstory and understory communities throughout the spruce-fir forest zone of the Park. This will involve plot reestablishment, tagging, and measurement of trees, surveys of herbaceous vegetation, and assessing tree condition.

-General: Other short term duties may include:

- data entry
- lysimeter sampling in high elevation plots in spruce and spruce-fir forests
- assist with other park programs as needed

**SKILLS NEEDED:** Academic background in forestry, botany or the biological sciences. Experience/interest in dendrology, plant identification, and forest measurements desired. The position requires the ability to hike/backpack (up to 10-15 miles) in steep mountainous terrain and work off trail; may require overnight backcountry stays. Interns will be part of a team that operates safely and communicates clearly.

### HOW TO APPLY:

Application materials must be received by **March 1<sup>st</sup>, 2011**. Send resume, 3 references, and copy of transcripts to:

**Tom Remaley, Ecologist**  
Great Smoky Mountains National Park  
1316 Cherokee Orchard Road  
Gatlinburg, TN 37738  
(865) 436-1736  
tom\_remaley@nps.gov



## Great Smoky Mountains National Park 2011 Internship

**POSITION TITLE:** Cultural Museum Collections Intern  
2 summer positions

**LENGTH OF APPOINTMENT:** 12 weeks (May - August)

**STIPEND:** \$125 per week + housing



Great Smoky Mountains National Park is recruiting qualified students for summer internships in the Cultural Resource Management Branch. The positions are field and lab/museum oriented and assists with archeology and collections management.

### **DESCRIPTION OF DUITES:**

The Cultural Museum Collections Internship at the Great Smoky Mountains National Park will provide an opportunity for interested and motivated individuals to develop the skills necessary to process, catalog, and manage museum collections. At present the park's collections includes paper records and maps that document the formation and administration of the park, a large collection of late 19th and early 20th Southern Appalachian century furnishings, implements, and handiworks, and archeological collections associated with 12,000 years of human occupation of the Great Smoky Mountains National Park by the ancestral Cherokee.

The selected individuals will work closely with the Park's Curator and assist the Cultural Resources program with the accessioning, archiving, cataloguing, and curation of historic and archaeological objects. In addition, the individual shall work with curatorial staff to support exhibits and aid in the organization and maintenance of the collection storage areas. Interns will also have an opportunity to participate in archeological excavations and lab processing.

**SKILLS NEEDED:** Ability to hike/backpack; may require overnight backcountry stays. Note: Exposure to poison ivy and biting/stinging insects are possible, those highly allergic should carefully consider this issue.

**SKILLS DESIRED:** Academic background in cultural resources, collections, archeology, history or other cultural resource management discipline.

### **HOW TO APPLY:**

Each prospective intern should submit a letter of interest or Vitae expressing interest in the internship, identifying how this internship might fit in with their career goals, and identifying previous experiences that they feel might be useful in performing this work. In addition, a copy of the most recent college transcript and current academic standing will be required. Application materials must be received by **March 1<sup>st</sup>, 2011** to:

**Erik Kreuzsch, Archaeologist**  
Great Smoky Mountains National Park  
107 Park Headquarters Road  
Gatlinburg, TN 37738  
(865) 430-0339  
Erik\_S\_Kreusch@nps.gov



## Great Smoky Mountains National Park 2011 Internship

---

**POSITION TITLE:** Backcountry Management Intern  
1 summer position

**LENGTH OF APPOINTMENT:** 12 weeks (May – August)

**STIPEND:** \$125 per week + housing



**OVERVIEW:** Great Smoky Mountains National Park is recruiting qualified individuals for a summer internship in backcountry management. The position is primarily field-oriented and assists the Backcountry Management Specialist.

### **DESCRIPTION OF DUTIES:**

Assist the park's Backcountry Management Specialist with monitoring conditions of trails, backcountry signs, campsites, shelters and privies. Lead or assist with backcountry campsite clean ups. Assist with maintenance of backcountry permit locations. Perform campsite assessments. Provide support to the Backcountry Information Office. Assist the Backcountry Management Specialist with backcountry and wilderness related research and projects. Work with park partners, such as the Appalachian Trail Conservancy, to accomplish common goals.

**SKILLS DESIRED:** Applicants must have an interest in backcountry and wilderness management. No specific academic background is required. However, a background in parks and recreation management is preferred. Applicants must be in good physical condition and able to hike with a backpack up to 15 miles per day. Applicants must have good backcountry camping skills, be grounded in the principles of Leave No Trace and be willing to hike and camp alone for multiple days in the remote areas. Applicants must have exceptional interpersonal skills and be able to effectively communicate with a variety of individuals.

### **HOW TO APPLY:**

Application materials must be received by **March 1<sup>st</sup>, 2011**. Send resume, 3 references, and copy of transcripts to:

**Melissa Cobern, Backcountry Specialist**

Great Smoky Mountains National Park  
107 Park Headquarters Road  
Gatlinburg, TN 37722  
(865) 436-1264  
melissa\_cobern@nps.gov



## Great Smoky Mountains National Park 2011 Internship

**POSITION TITLE:** Fishery Management Intern  
2 Summer Positions, 2 Fall Positions

**LENGTH OF APPOINTMENT:** 12 weeks

**STIPEND:** \$125 per week + housing



Great Smoky Mountains National Park is recruiting qualified students for spring/summer internships in the Fisheries Management Branch. The positions are field and lab oriented and assists with fishery assessments and management.

### DESCRIPTION OF DUTIES:

Great Smoky Mountains National Park (GRSM) is the largest expanse of wilderness east of the Mississippi River boasting over 2,100 miles of cool and coldwater streams. There are nearly 60 species of fish found in GRSM representing 12 families from prehistoric lampreys to wild brook trout, to three federally protected fish species that were extirpated but have recently been reintroduced and are being monitored in Abrams Creek. You will serve as a fisheries intern being trained and assisting in small stream monitoring efforts of trout populations using backpack electrofishing gear throughout this 520,000 acre National Park. Major training and skills acquired through this position include the use, construction, and maintenance of backpack electrofishing gear, small stream sampling guidelines, population enumeration using depletion estimates, identification of 20-40 fish species, physical and chemical stream measurements, data entry and editing techniques, and backcountry sampling and camping techniques. Interns will work with a team of federal, state, and private biologists, as well as university researchers.

*Specific responsibilities will include:* monitoring fish using backpack electrofishing gear and snorkeling - 40%, physical and chemical stream measurements - 20%, fish identification – 10%, data entry and editing techniques – 10%, equipment repair, maintenance and construction – 10%, and backcountry camping and sampling techniques - 10%. *Training:* use, repair and maintenance of backpack electrofishing gear, stream snorkeling techniques, fish identification, and remote backcountry field operations.

**SKILLS NEEDED:** Interest in the profession of fisheries biology or fish management, *good physical conditioning, ability to carry heavy loads of gear (40 lbs.) over rough terrain for up to 5 miles on a daily basis*, willingness to work outdoors, possibly overnight(s) in variable weather conditions.

### HOW TO APPLY:

Application materials must be received by March 1<sup>st</sup>, 2011 for Summer Positions and June 1<sup>st</sup>, 2011 for Fall Positions. Send resume, 3 references, and copy of transcripts to:

**Matt Kulp, Fishery Biologist**  
Great Smoky Mountains National Park  
107 Park Headquarters Road  
Gatlinburg, TN 37738  
865-436-1254  
Matt\_Kulp@nps.gov



## Great Smoky Mountains National Park 2011 Internship

---

**POSITION TITLE:** GIS Intern  
1 summer position

**LENGTH OF APPOINTMENT:** 12 weeks

**STIPEND:** \$125 per week + housing



**DESCRIPTION OF DUTIES:** GIS interns needed beginning June 2010 and lasting for 12 weeks for assistance with GIS data creation and data management. Duties will include using ArcGIS Desktop software and Trimble GPS Equipment to create and manage new GIS data layers. Coordinating with park staff to organize existing spatial data and create and document procedures for updating geo-spatial datasets.

Must be able to hike in mountainous terrain in hot humid or inclement weather conditions carrying a daypack or backpack and other field equipment. Good fitting hiking boots and rainwear are important personal items to have prior to arrival. Stinging insects, poison ivy, slippery footing, and venomous snakes are known field hazards. Work schedule is eight hour days 8:00 AM to 4:30 PM

**SKILLS NEEDED:** Some education or experience in geographic information systems (GIS), computer cartography a must, specifically experience using ArcGIS Desktop (ArcMap/ArcCatalog). Experience using a Trimble GPS equipment is a plus. Applicant should have the ability to write and follow detailed technical information documents and be self-motivated and flexible. Valid state vehicle operator's license desired.

**HOW TO APPLY:**

Application materials must be received by **March 1<sup>st</sup>, 2011**. Send resume, 3 references, and copy of transcripts to:

**Kristine Johnson, Supervisory Forester**  
Great Smoky Mountains National Park  
1316 Cherokee Orchard Road  
Gatlinburg, TN 37738  
(865) 436-1707  
kristine\_johnson@nps.gov



## Great Smoky Mountains National Park 2011 Internship

---

**POSITION TITLE:** Vegetation Management Intern  
3 summer positions

**LENGTH OF APPOINTMENT:** 12 weeks

**STIPEND:** \$125 per week + housing



### **DESCRIPTION OF DUTIES:**

Control invasive exotic plants- this is a park-wide activity that involves mechanical (pulling) or chemical control of the 30 species of invasive plants that we actively manage. We provide safety training on the safe use of pesticides and the techniques we use. Exotic plant control involves about 30%-40% of scheduled time.

We have several forest insect pests that are having a big impact on our forests. Specifically, hemlock woolly adelgid, an invasive insect from Asia, has been in the park since 2000 and has had a big effect on the eastern hemlock forests in the Smokies. The park has old growth hemlock (some exceeding 500 years old) and mixed hemlock forest types, some of which are globally rare. We treat high value hemlocks with chemicals and biocontrol predator beetles to keep hemlocks alive. The park is also infested with the balsam woolly adelgid (BWA), an eastern European insect that attacks Fraser fir trees, and has killed 80+% of the park's fir trees. We monitor the population of BWA on four mountain tops and can treat a portion of one area with insecticidal soap sprayed from truck mounted sprayers. Forest insect and disease work involves about 50% of work time. Various projects including replanting areas that have been under construction, maintaining grassy balds with weed eaters to suppress blackberry growth, and maintaining native prairie seed plantings for restoration use. Restoration work involves about 10% of work time.

**SKILLS NEEDED:** Ability to hike/backpack in mountainous terrain in hot or cold humid conditions; may require overnight backcountry stays. Ability to work as a group member to complete work assignments; Note: Exposure to poison ivy and biting/stinging insects is possible; those highly allergic should carefully consider this issue. After provided training, must be able to use pesticides in safe manner following required handling, application and disposal instructions including wearing of personal protective equipment. Ability to learn to safely use cutting tools- manual or powered- is important. Must be willing to wear a volunteer in parks (VIP) hat and/or shirt to be identifiable to the visiting public and act as a representative of the National Park Service while serving as an intern.

**SKILLS DESIRED:** Academic background in biology, agriculture, forestry, recreation and resource management among other disciplines. Plant and/or invertebrate identification skills beneficial.

### **HOW TO APPLY:**

Application materials must be received by **March 1<sup>st</sup>, 2011**. Send resume, 3 references, and copy of transcripts to:

**Glenn Taylor**  
Great Smoky Mountains National Park  
1316 Cherokee Orchard Road  
Gatlinburg, TN 37738

(865) 430-4748  
Glenn\_Taylor@nps.gov

## Great Smoky Mountains National Park 2011 Internship

---

**POSITION TITLE:** Wildlife Management Intern - Elk  
1 Summer Position, 1 Fall Position

**LENGTH OF APPOINTMENT:** 12 to 16 weeks

**STIPEND:** \$125 per week + housing



**DESCRIPTION OF DUITES:**

-Elk Management: Perform radio-telemetry to monitor elk movements and survival. Assist in the capture, handling, and radio-marking of newborn elk claves (spring position only). Patrol areas where elk commonly feed providing education and assistance to visitors.

-Black Bear Management: Assist with the capture and handling of nuisance and injured black bears. Post warning and/or closure signs as needed. This work can often be physically strenuous for extended hours.

-Wild Hog Control: Hike and scout area for wild hog activity. Set and monitor wild hog traps. Utilize a firearm to humanely euthanize trapped wild hogs.

-Hike and backpack (up to 15 miles) in remote mountainous terrain.

**SKILLS NEEDED:** Practical knowledge of radio-telemetry; ability to work with/handle animals (farm, zoo, etc. work experience); ability to hike/backpack; ability to use firearms; ability to work with and carry heavy backpacks in steep mountains terrain; ability to operate vehicles including towing and backing trailers. **SKILLS DESIRED:** Academic background in wildlife or related disciplines; outdoor related skills in hunting, trapping and backpacking.

**HOW TO APPLY:**

Application materials must be received by March 1<sup>st</sup>, 2011 for Summer Position and June 1<sup>st</sup>, 2011 for Fall Position. Send resume, 3 references, and copy of transcripts to:

**Joe Yarkovich, Wildlife Biologist**  
Great Smoky Mountains National Park  
3576 Ranger Station Rd.  
Waynesville, NC 28786  
(865) 850-0533  
Joseph\_Yarkovich@nps.gov



## Great Smoky Mountains National Park 2011 Internship

---

**POSITION TITLE:** Wildlife Management Intern  
3 summer positions

**LENGTH OF APPOINTMENT:** 12 to 16 weeks

**STIPEND:** \$125 per week + housing



Great Smoky Mountains National Park is recruiting qualified students for spring/summer internships in the Wildlife Branch. The positions are primarily field oriented and assist with black bear management, wild hog control and other wildlife management activities.

### **DESCRIPTION OF DUITES:**

-Black Bear Management: Monitor campgrounds and picnic areas for nuisance black bears. Set and monitor bear traps. Assist with the capture and handling of nuisance and injured black bears. Post warning and/or closure signs as needed.

-Wild Hog Control: Hike and scout area for wild hog activity. Set and monitor wild hog traps. Utilize a firearm to humanely euthanize trapped wild hogs.

-Wildlife Monitoring: Assist with wildlife surveys. Gather and record wildlife data. Utilize computers to input, review and edit wildlife data.

-Hike and backpack (up to 15 miles) in remote mountainous terrain.

-May be required to exert strenuous physical effort in search and rescue and wildlife control situations.

**SKILLS NEEDED:** Ability to work with/handle animals (farm, zoo, etc. work experience); ability to hike/backpack; ability to use firearms; ability to work with and carry heavy backpacks in steep mountains terrain; ability to operate vehicles including towing and backing trailers.

**SKILLS DESIRED:** Academic background in wildlife or related disciplines; outdoor related skills in hunting, trapping and backpacking.

### **HOW TO APPLY:**

Application materials must be received by **March 1<sup>st</sup>, 2011**. Send resume, 3 references, and copy of transcripts to:

**Bill Stiver, Wildlife Biologist**  
Great Smoky Mountains National Park  
107 Park Headquarters Road  
Gatlinburg, TN 37738  
(865) 436-1251  
bill\_stiver@nps.gov



## Great Smoky Mountains National Park 2011 Internship

---

**POSITION TITLE:** Resource Education Intern

6 Summer Positions (Cades Cove, Sugarlands, Oconaluftee Visitor Centers)

2 Fall and Winter Spring Positions (Sugarlands Visitor Center)

**LENGTH OF APPOINTMENT:** 12 weeks

**STIPEND:** \$125 per week + housing



Great Smoky Mountains National Park interns in Resource Education acquire experience and training in presenting thematic naturalist and cultural programs, become familiar with operations at a visitor center in a large national park, and gain knowledge on a variety of topics including wildlife biology, botany, forest ecology, geology, Native American culture, history, and park management. In addition, there are many recreational opportunities either in Park or the surrounding area to hike, bike, backpack, canoe, kayak, raft, fish, rock climb, and observe wildlife.

**Qualifications:** Applicants must be high school graduates with a solid academic background or college students in a declared major field of study such as natural or physical sciences, history, education, communications, natural science interpretation, or recreation and resource management. An interest or experience in interpretation or environmental education, natural or cultural history would be helpful, but is not required. Applicants should have the ability to communicate ideas effectively, and enthusiasm for sharing knowledge with others.

**Duties and Responsibilities:** Resource education/ interpretation interns deal directly with park visitors. After completing a training session, the work involves answering questions at visitor centers and providing trip planning help at an information desk, researching, preparing, and presenting short guided walks and talks, leading children's programs, providing information to individuals you may encounter on trails or overlooks, providing roving interpretation in the field, assisting with traffic/visitor management around wildlife, assisting other park operations in the field, and completing a wide variety of special projects. The intern wears a volunteer in parks (VIP) hat and or shirt to be identifiable to the visiting public and act as a representative of the National Park Service.

**Benefits:** Interns selected for the program will participate in all training and orientation normally attended by the resource education staff, and will receive rent-free housing, a stipend of \$125 per week for a 12 week assignment and a uniform. Interns will receive two stipend payments, one at the mid-term of the assignment and one at the completion of the assignment. Travel to and from the park is at the intern's personal expense. Personal vehicles are encouraged to facilitate off duty use since public transportation is limited in the area.

**Application Procedures:** Submit a detailed resume which lists education, work experience, hobbies and other interests, and at least three references. College students or graduates should also include a college transcript. Applicants should specify their subject matter interests and can seek information on park programs by reviewing information on the park's website at [www.nps.gov/grsm](http://www.nps.gov/grsm).

**For Sugarlands Visitor Center, Send Application materials to:**

**Caitlin Worth**

Great Smoky Mountains National Park  
107 Park Headquarters Road  
Gatlinburg, TN 37738  
(865) 436-1263  
caitlin\_worth@nps.gov

**For Cades Cove Visitor Center, Send Application materials to:**

**Mike Meldrum**

Great Smoky Mountains National Park  
107 Park Headquarters Road  
Gatlinburg, TN 37738  
(865) 448-4122  
mike\_meldrum@nps.gov

**For Oconaluftee Visitor Center, Send Application materials to:**

**Florie Takaki**

Great Smoky Mountains National Park  
107 Park Headquarters Road  
Gatlinburg, TN 37738  
(828) 497-1905  
florie\_takaki@nps.gov

**Application materials must be mailed to the appropriate supervisor  
by the following dates:**

	<b><u>Application Due Date</u></b>
<b>Summer Internship Position</b>	<b>March 1, 2011</b>
<b>Fall Internship Position</b>	<b>June 1, 2011</b>
<b>Winter/Spring Internship Position</b>	<b>September 1, 2011</b>

