



INVESTIGATOR'S ANNUAL REPORT

United States Department of the Interior
National Park Service

All or some of the information you provide may become available to the public.

OMB # (1024-0236) Exp. Date (11/30/2010) Form No. (10-226)
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Reporting Year: 2007	Park: New River Gorge NR	Select the type of permit this report addresses: Scientific Study	
Name of principal investigator or responsible official: John Vandevender		Office Phone: 304-445-3005 ext. 210	
Mailing address: USDA, NRCS, Plant Materials Center P.O. Box 390 Old Prison Farm Road Alderson, WV 24910 USA		Office FAX: 304-445-7049 Office Email: JOHN.VANDEVENDER@WV.USDA.GOV	
Additional investigators or key field assistants (first name, last name, office phone, office email)			
Name: Ural Crase		Phone: 304-445-3005	Email:
Name: Warren Haynes		Phone: 304-445-3005	Email:
Name: Randall Lester		Phone: 304-445-3005	Email: randall.lester@wv.usda.gov
Project Title (maximum 300 characters): Native Plant/Seed Harvesting			
Park-assigned Study or Activity #: NERI-00016	Park-assigned Permit #: NERI-2005-SCI-0005	Permit Start Date: Sep 12, 2005	Permit Expiration Date: Sep 12, 2008
Scientific Study Starting Date: Sep 12, 2005		Estimated Scientific Study Ending Date: Sep 12, 2012	
For either a Scientific Study or a Science Education Activity, the status is: Continuing		For a Scientific Study that is completed, please check each of the following that applies:	
		<input type="checkbox"/> A final report has been provided to the park or will be provided to the park within the next two years	
		<input type="checkbox"/> Copies of field notes, data files, photos, or other study records, as agreed, have been provided to the park	
		<input type="checkbox"/> All collected and retained specimens have been cataloged into the NPS catalog system and NPS has processed loan agreements as needed	
Activity Type: Research			
Subject/Discipline: Plant Communities (Vegetation)			

Purpose of Scientific Study or Science Education Activity during the reporting year (maximum 4000 characters): The USDA, Natural Resource Conservation Service, will be the lead agency responsible for collecting native seeds, cuttings, and a few whole plants, for re-vegetation projects along the proposed New River Parkway. Seeds and cuttings will be transported to the Appalachian Plant Materials Center in Alderson, WV, for propagation
Findings and status of Scientific Study or accomplishments of Science Education Activity during the reporting year (maximum 4000 characters):

Seeds and/or seedlings of the following native plants endemic to the New River Gorge continued to be harvested in 2007: common milkweed (*Asclepias syriaca*), browneyed susan (*Rudbeckia triloba*), American senna (*Senna hebecarpa*), Wrinkleleaf goldenrod (*Solidago rugosa*), Woodland sunflower (*Helianthus divaricatus*), Butterfly milkweed (*Asclepias tuberosa*), New York ironweed (*Vernonia noveboracensis*), Virginia creeper (*Parthenocissus quinquefolia*), trumpet creeper (*Campsis radicans*), Indian woodoats (*Chasmanthium latifolium*),

Eastern bottlebrush grass (*Elymus hystrix*), American senna (*Senna hebecarpa*) wrinkleleaf goldenrod (*Solidago rugosa*), woodland sunflower (*Helianthus divaricatus*), trumpetweed (*Eupatorium fistulosum*), cardinal flower (*Lobelia cardinalis*), fall phlox (*Phlox paniculata*), blue mistflower (*Conoclinium coelestinum*), Carolina silverbell (*Halesia carolina*), white fringetree (*Chionanthus virginicus*), American hornbeam (*Carpinus caroliniana*), cucumber-tree (*Magnolia acuminata*), Eastern redbud (*Cercis canadensis*), post oak (*Quercus stellata*), bitternut hickory (*Carya cordiformis*), American basswood (*Tilia americana*), common hackberry (*Celtis occidentalis*), Northern spicebush (*Lindera benzoin*), blackhaw (*Viburnum prunifolium*), flame azalea (*Rhododendron calendulaceum*), wild hydrangea (*Hydrangea arborescens*), American bladdernut (*Staphylea trifolia*), common winterberry (*Ilex verticillata*), chinkapin oak (*Quercus muehlenbergii*), butternut (*Juglans cinerea*), yellow buckeye (*Aesculus flava*), and American bittersweet (*Celastrus scandens*). These seeds and/or seedlings have been conditioned and stored at the Appalachian Plant Materials Center in Alderson, WV. Seed from herbaceous plants are being used to establish seed increase fields at Alderson or seedbanked for revegetating areas disturbed by construction of the proposed parkway. Woody seeds are being used to produce container grown plants for replanting on sections of the proposed New River Parkway.

Technology transfer activities for this project include development and publication of propagation protocols for all the species listed above and seed conditioning protocols for many of the above species.

For Scientific Studies (not Science Education Activities), were any specimens collected and removed from the park but not destroyed during analysis?

Yes

If "Yes", identify where the specimens currently are stored:

Appalachian Plant Materials Center in Alderson, WV.

Funding specifically used in this park this reporting year that was provided by NPS (enter dollar amount):

\$0

Funding specifically used in this park this reporting year that was provided by all other sources (enter dollar amount):

\$5000

List any other U.S. Government Agencies supporting this study or activity and the funding each provided this reporting year:

Paperwork Reduction Act Statement: A federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. Public reporting for this collection of information is estimated to average 1.625 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the forms. Direct comments regarding this burden estimate or any aspect of this form to Dr. John G. Dennis, Natural Resources (3127 MIB), National Park Service, 1849 C Street, N.W., Washington, DC 20240.