

**From:** Clark, Teresa L  
**To:** [Pineda, Christine](#)  
**Cc:** [Stanifer, Christie](#)  
**Subject:** [External\_Sender] RE: Request for information regarding sensitive species and critical habitat at Jefferson Proving Ground site - related to proposed amendment of license  
**Date:** Monday, February 12, 2018 10:30:01 AM  
**Attachments:** [image001.png](#)  
[104 USNRC Jefferson Proving Ground Proposed license amendment.pdf](#)  
[104 ETR USNRC Jefferson Proving Ground Proposed license amendment.pdf](#)

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Ms Pineda,

I have attached the response documents for your recent ETR species search request for the above referenced project. If you have any questions please feel free to contact me.

Sincerely,

TERESA L. CLARK, DATA MANAGER  
[INDIANA NATURAL HERITAGE DATA CENTER](#)  
IDNR NATURE PRESERVES  
402. W. WASHINGTON ST., RM W267  
INDIANAPOLIS, INDIANA 46204  
Office: 317-232-3517  
Fax: 317-233-0133

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**From:** Pineda, Christine [mailto:Christine.Pineda@nrc.gov]  
**Sent:** Tuesday, February 06, 2018 1:42 PM  
**To:** Clark, Teresa L <TClark2@dnr.IN.gov>  
**Cc:** Stanifer, Christie <cstanifer@dnr.IN.gov>  
**Subject:** Request for information regarding sensitive species and critical habitat at Jefferson Proving Ground site - related to proposed amendment of license

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Ms. Clark,

The U.S. Department of the Army (Army) submitted to the U.S. Nuclear Regulatory Commission (NRC) staff a request for an amendment to NRC source material license SUB-1435 in a letter dated December 21, 2016. The Army's License SUB-1435 is for possession of depleted uranium (DU) at the Jefferson Proving Ground (JPG) ordnance testing facility in Southeast Indiana near Madison, Indiana. Specifically, the Army is requesting an amendment that would modify License Condition 9 to change the authorized use of licensed material from "possession

only for decommissioning” to “possession only.” The Army has also requested an exemption from the NRC’s “decommissioning timeliness” requirement in Title 10 of the *Code of Federal Regulations* (10 CFR) Section 40.42, “Expiration and termination of licenses and decommissioning of sites and separate buildings or outdoor areas,” subparagraph (d). The Army’s application documents are available electronically at <https://www.nrc.gov/docs/ML1700/ML17004A186.pdf>. This amendment request follows the Army’s November 25, 2015, letter to the NRC formally withdrawing its Decommissioning Plan and request for license termination and release of the site under restricted conditions.

A map of the DU impact area within the JPG is attached to this email. Also attached are other documents related to the NRC’s communication with Ron Hellmich in 2015. Could you please provide updated information concerning the presence of state endangered, threatened, or sensitive species or critical habitat in the JPG area?

Please let me know if you have any questions or would like to discuss anything by phone.

Kind Regards,  
Christine

*Christine Pineda*

Senior Project Manager

U.S. Nuclear Regulatory Commission

NMSS/FCSE/ERB

Phone: 301-415-6789

Email: [christine.pineda@nrc.gov](mailto:christine.pineda@nrc.gov)

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**From:** Hellmich, Ron [<mailto:rhellmich@dnr.IN.gov>]

**Sent:** Tuesday, January 06, 2015 11:04 AM

**To:** Amy Minor

**Subject:** RE: REQUEST FOR INFORMATION REGARDING SENSITIVE SPECIES AND CRITICAL HABITAT FOR THE PROPOSED DECOMMISSIONING AND LICENSE TERMINATION OF THE JEFFERSON PROVING GROUND FACILITY

Amy Minor,

Attached are the response letter and data sheets for the former Jefferson Proving Ground. For more information about the animal species mentioned, you should contact Christie Stanifer, DNR Fish and Wildlife which has the authority for animals. Her contact information is included in the letter.

Sincerely,

Ronald Hellmich  
Indiana Natural Heritage Data Center  
IDNR Nature Preserves  
317-232-8059





Division of Nature Preserves  
402 W. Washington St., Rm W267  
Indianapolis, IN 46204-2739

February 12, 2018

Christine Pineda  
Senior Project Manager  
U.S. Nuclear Regulatory Commission

Dear Christine Pineda:

I am responding to your request for information on the endangered, threatened, or rare (ETR) species, high quality natural communities, and natural areas for a project associated with an amendment to NRC source material license SUB-1435, for U.S. Department of the Army site located at Jefferson Proving Ground (JPG) ordnance testing facility in Southeast Indiana near Madison. The Indiana Natural Heritage Data Center has been checked and included you will find a datasheet with information on the ETR species documented within 1 mile of the Jefferson Proving Ground and the Big Oaks National Wildlife Refuge.

If you require more information on the animal species mentioned, please contact Christie Stanifer, Environmental Coordinator, Division of Fish and Wildlife, 402 W. Washington Room W273, Indianapolis, Indiana, 46204, (317)232-8163.

The information I am providing does not preclude the requirement for further consultation with the U.S. Fish and Wildlife Service as required under Section 7 of the Endangered Species Act of 1973. If you have concerns about potential Endangered Species Act issues you should contact the Service at their Bloomington, Indiana office.

U.S. Fish and Wildlife Service  
620 South Walker St.  
Bloomington, Indiana 47403-2121  
812-334-4261

At some point, you may need to contact the Department of Natural Resources' Environmental Review Coordinator so that other divisions within the department have the opportunity to review your proposal. For more information, please contact:

Department of Natural Resources  
Attn: Christie Stanifer  
Environmental Coordinator  
Division of Fish and Wildlife  
402 W. Washington Street, Room W273  
Indianapolis, IN 46204

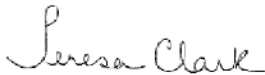
(317)232-8163

Please note that the Indiana Natural Heritage Data Center relies on the observations of many individuals for our data. In most cases, the information is not the result of comprehensive field surveys conducted at particular sites. Therefore, our statement that there are no documented significant natural features at a site should not be interpreted to mean that the site does not support special plants or animals.

Due to the dynamic nature and sensitivity of the data, this information should not be used for any project other than that for which it was originally intended. It may be necessary for you to request updated material from us in order to base your planning decisions on the most current information.

Thank you for contacting the Indiana Natural Heritage Data Center. You may reach me at (317)232-3517 if you have any questions or need additional information.

Sincerely,

A handwritten signature in cursive script that reads "Teresa L. Clark".

Teresa L. Clark  
Indiana Natural Heritage Data Center

Enclosure:            datasheet

February 12, 2018

## INDIANA HERITAGE DATA WITHIN 1 MILE OF:

### *Big Oaks National Wildlife Refuge and Jefferson Proving Ground, Indiana*

Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<b>Amphibian</b>						
<i>Lithobates areolatus circulosus</i>	Northern Crawfish Frog	SE		3/30/2005	005N010E 10	BIG OAKS NATIONAL WILDLIFE REFUGE
<i>Lithobates areolatus circulosus</i>	Northern Crawfish Frog	SE		3/30/2005	006N010E 5	BIG OAKS NATIONAL WILDLIFE REFUGE
<i>Lithobates areolatus circulosus</i>	Northern Crawfish Frog	SE		3/30/2005	005N010E 27	BIG OAKS NWR
<i>Lithobates areolatus circulosus</i>	Northern Crawfish Frog	SE		3/30/2005	007N010E 34	BIG OAKS NATIONAL WILDLIFE REFUGE
<b>Arachnida</b>						
<i>Calymmaria cavicola</i>	Cave Funnel-web Spider			3/11/2002	005N010E 20	GRAY'S CAVE
<i>Calymmaria cavicola</i>	Cave Funnel-web Spider			3/11/2002	005N010E 17	JOHN SAMPLE CAVE
<b>Bird</b>						
<i>Aimophila aestivalis</i>	Bachman's Sparrow			5/5/1988	004N010E 06	
<i>Coragyps atratus</i>	Black Vulture			7/13/2002	005N010E 32 SH NEQ NEQ	
<i>Ammodramus henslowii</i>	Henslow's Sparrow	SE		7/9/2002	005N010E 27 NEQ SWQ	
<i>Ammodramus henslowii</i>	Henslow's Sparrow	SE		7/9/2002	005N010E 33 SWQ NEQ	
<i>Ammodramus henslowii</i>	Henslow's Sparrow	SE		7/9/2002	005N010E 10 SEQ SEQ	

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Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<i>Ammodramus henslowii</i>	Henslow's Sparrow	SE		1993-SU	004N010E 06	
<i>Circus cyaneus</i>	Northern Harrier	SE		5/30/2002	007N010E 20 SWQ SEQ	
<i>Cistothorus platensis</i>	Sedge Wren	SE		7/9/2002	005N010E 10 SEQ NEQ	
<i>Dendroica cerulea</i>	Cerulean Warbler	SE		2002-06	007N009E 24	
<i>Haliaeetus leucocephalus</i>	Bald Eagle	SSC		4/19/2016	007N010E 22	BALD EAGLE NEST BIG TIMBERS LAKE
<i>Helmitheros vermivorus</i>	Worm-eating Warbler	SSC		2002-07	007N010E 20	
<i>Wilsonia citrina</i>	Hooded Warbler	SSC		2004-06	005N010E 31	

#### Crustacea: Copepod

<i>Diacyclops indianensis</i>	Indiana Groundwater Copepod	SE		5/8/2001	005N010E 16	HENRY DILK FALLS CAVE
<i>Diacyclops lewisi</i>	Lewis' Groundwater Copepod	SE		2/3/2001	006N010E 18	BIG OAKS NATIONAL WILDLIFE REFUGE
<i>Diacyclops lewisi</i>	Lewis' Groundwater Copepod	SE		2/3/2001	005N010E 7	BIG OAKS NATIONAL WILDLIFE REFUGE
<i>Diacyclops salisae</i>	Salisa's Groundwater Copepod	SE		2/3/2001	006N010E 31	BIG OAKS NATIONAL WILDLIFE REFUGE

#### Crustacea: Malacostraca (Crayfish)

<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	005N010E 17	MARY SPURGIN CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	005N010E 17	GRACE BEAR SYCAMORE CAVE

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Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	005N010E 7	GLEN AND FLORENCE SHOOTS CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	005N010E 7	SADIE AND JUANITA JINES CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	006N010E 4	LOUIS NEIL CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	007N010E 34	BERNICE CHANDLER CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	007N010E 19	ASA AND SARAH EDWARDS CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	005N010E 16	THREE RAIDERS MONUMENT CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	006N010E 17	THOMAS AND EFFIE JESSIE CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	005N010E 21	SMALL SPRING
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	005N010E 7	CHARLES BEAR CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	005N010E 18	EDWARD PRENATT CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	006N010E 16	LOWELL COOPER CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	007N010E 34	TIMBER LODGE SPRING CAVE
<i>Caecidotea rotunda</i>	Northeastern Cave Isopod	SR		3/11/2002	005N010E 9	JOHN AND DAISY SMITH CAVE
<i>Crangonyx anomalus</i>	Anomalous Spring Amphipod	ST		3/11/2002	007N010E 31	BIG OAKS NATIONAL WILDLIFE REFUGE
<b>Elliplura: Collembola (Springtails)</b>						
<i>Pseudosinella fonsa</i>	Fountain Cave Springtail	ST		3/11/2002	005N010E 9	DORMAN YEAGER CAVE

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Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<i>Sminthurides hypogramme</i>	springtail	WL		3/11/2002	005N010E 17	JOHN SAMPLE CAVE
<b>Geologic Feature</b>						
<i>Geomorphic - Nonglacial Erosional Feature - Water Fall and Cascade</i>	Water Fall and Cascade			2/17/2009	005N010E 14	UPPER AND LOWER FALLS
<i>Geomorphic - Nonglacial Erosional Feature - Water Fall and Cascade</i>	Water Fall and Cascade			2/17/2009	004N010E 1	FALLS ON TRIBUTARY TO RAZOR FORK
<i>Geomorphic - Nonglacial Erosional Feature - Water Fall and Cascade</i>	Water Fall and Cascade			2/17/2009	007N010E 36	FALLS ON BACON SPRING BRANCH
<b>High Quality Natural Community</b>						
<i>Forest - upland dry-mesic Bluegrass</i>	Bluegrass Dry-mesic Upland Forest			1992	007N009E 24 SEQ	JPG NATURAL AREA #4
<i>Forest - upland dry-mesic Bluegrass</i>	Bluegrass Dry-mesic Upland Forest			1992	007N010E 19 NWQ	JPG NATURAL AREA #2
<i>Forest - upland dry-mesic Bluegrass</i>	Bluegrass Dry-mesic Upland Forest			1992	007N010E 19 SH	JPG NATURAL AREA #3
<i>Forest - upland dry Bluegrass</i>	Bluegrass Dry Upland Forest			1992	007N010E 19 SH	JPG NATURAL AREA #3
<i>Forest - upland mesic Bluegrass</i>	Bluegrass Mesic Upland Forest			1992	007N010E 18 CTR	JPG NATURAL AREA #1
<i>Forest - upland mesic Bluegrass</i>	Bluegrass Mesic Upland Forest			1992	007N010E 19 SH	JPG NATURAL AREA #3
<i>Forest - upland mesic Bluegrass</i>	Bluegrass Mesic Upland Forest			1992	007N010E 19 NWQ	JPG NATURAL AREA #2
<i>Forest - upland mesic Bluegrass</i>	Bluegrass Mesic Upland Forest			1992	007N009E 24 SEQ	JPG NATURAL AREA #4
<i>Forest - flatwoods bluegrass till plain</i>	Bluegrass Till Plain Flatwoods	SG		1992	007N010E 31 NEQ	JPG NATURAL AREA #5

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Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<i>Forest - flatwoods bluegrass till plain</i>	Bluegrass Till Plain Flatwoods	SG		9/28/1994	004N010E 08 WH SWQ	
<i>Forest - flatwoods bluegrass till plain</i>	Bluegrass Till Plain Flatwoods	SG		1992	006N010E 22 SWQ AND SH SH NWQ	JPG NATURAL AREA #6
<i>Primary - cliff limestone</i>	Limestone Cliff	SG		1992	007N010E 19 NWQ	JPG NATURAL AREA #2
<i>Primary - cliff limestone</i>	Limestone Cliff	SG		1992	007N009E 24 SEQ	JPG NATURAL AREA #4
<i>Primary - cliff limestone</i>	Limestone Cliff	SG		1992	007N010E 19 SH	JPG NATURAL AREA #3
<b>Insect Coleoptera</b>						
<i>Atheta troglophila</i>		SR		3/11/2002	005N010E 17	ELMER TURNER CAVE
<i>Atheta troglophila</i>		SR		3/11/2002	005N010E 16	HENRY DILK FALLS CAVE
<i>Atheta troglophila</i>		SR		3/11/2002	005N010E 9	JOHN AND DAISY SMITH CAVE
<i>Atheta troglophila</i>		SR		3/11/2002	007N010E 34	BERNICE CHANDLER CAVE
<b>Mammal</b>						
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	8/3/1999	005N010E 07 SWQ SWQ NWQ	JEFFERSON PROVING GROUND
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	5/28/2007	007N010E 19 NWQ NEQ SWQ	
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	7/28/2000	005N010E 19 SEQ SEQ SWQ	JEFFERSON PROVING GROUND
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	7/6/1998	006N010E 16 SEQ SWQ SEQ	JEFFERSON PROVING GROUND
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	7/19/1999	006N010E 30 COMMON LINE	JEFFERSON PROVING GROUND

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Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	7/22/1999	006N010E 30 COMMON LINE	JEFFERSON PROVING GROUND
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	5/29/2007	007N010E 17 COMMON LINE	JEFFERSON PROVING GROUNDS
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	7/31/1998	007N010E 29 NEQ NWQ SWQ	
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	7/8/1999	006N010E 07 SWQ SWQ NEQ	JEFFERSON PROVING GROUND
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	7/23/1999	006N010E 30 COMMON LINE	JEFFERSON PROVING GROUND
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	6/30/1998	005N010E 28 NH NWQ SWQ	JEFFERSON PROVING GROUND
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	6/11/2007	005N010E 18	BIG CREEK
<i>Myotis sodalis</i>	Indiana Bat or Social Myotis	SE	LE	5/24/2007	006N010E 4	GRAHAM CREEK

#### Mollusk

<i>Simpsonaias ambigua</i>	Salamander Mussel	SSC	C	9/3/1998	007N009E 25 SEQ NWQ NWQ	OTTER CREEK
<i>Toxolasma lividus</i>	Purple Lilliput	SSC	C	7/29/2005	006N009E 12	GRAHAM CREEK
<i>Villosa lienosa</i>	Little Spectaclecase	SSC		7/18/2007	005N009E 21 SEQ NEQ SEQ	BIG CREEK
<i>Villosa lienosa</i>	Little Spectaclecase	SSC		11/9/2005	006N009E 5	OTTER CREEK

#### Platyhelminthes

<i>Sphalloplana weingartneri</i>	Weingartner's Cave Flatworm	WL		3/11/2002	005N010E 20	GRAY'S CAVE
<i>Sphalloplana weingartneri</i>	Weingartner's Cave Flatworm	WL		3/11/2002	005N010E 21	KATHRYN BAYLESS CAVE

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Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<i>Sphalloplana weingartneri</i>	Weingartner's Cave Flatworm	WL		3/11/2002	007N010E 34	TIMBER LODGE SPRING CAVE
<i>Sphalloplana weingartneri</i>	Weingartner's Cave Flatworm	WL		3/11/2002	007N010E 19	ASA AND SARAH EDWARDS CAVE
<i>Sphalloplana weingartneri</i>	Weingartner's Cave Flatworm	WL		3/11/2002	007N010E 34	BERNICE CHANDLER CAVE
<b>Reptile</b>						
<i>Clonophis kirtlandii</i>	Kirtland's Snake	SE	C	8/18/1985	004N010E 06 NEQ	1986 KARNs SITE J-YW (JPG-YOUNG WOODS)
<i>Clonophis kirtlandii</i>	Kirtland's Snake	SE	C	9/1/2001	006N010E 21 SEQ SWQ	
<b>Vascular Plant</b>						
<i>Crotonopsis elliptica</i>	Elliptical Rushfoil	SE		9/11/1992	007N010E 30 NWQ SEQ NWQ	
<i>Crotonopsis elliptica</i>	Elliptical Rushfoil	SE		7/10/1998	007N010E 21 SWQ SWQ NWQ	
<i>Helianthus angustifolius</i>	Swamp Sunflower	SE		10/2/1998	005N010E 27 NWQ SEQ SWQ	
<i>Helianthus angustifolius</i>	Swamp Sunflower	SE		7/27/1998	005N010E 26 NWQ NEQ NWQ	AVCO ALLEY
<i>Helianthus angustifolius</i>	Swamp Sunflower	SE		10/2/1998	005N010E 21 SWQ NEQ SEQ	
<i>Helianthus angustifolius</i>	Swamp Sunflower	SE		8/27/1998	005N010E 20 EH NEQ NEQ	
<i>Hypericum gymnanthum</i>	Clasping-leaved St. John's-wort	SE		7/20/1998	007N010E 21 SWQ NWQ	
<i>Lycopodiella inundata</i>	Northern Bog Clubmoss	SE		8/12/1994	006N009E 01 SEQ NEQ SEQ	
<i>Lycopodiella inundata</i>	Northern Bog Clubmoss	SE		7/10/1998	007N010E 20 SEQ SEQ NEQ	

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Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<i>Lygodium palmatum</i>	Climbing Fern	SE		11/27/1999	006N010E 19 NWQ NWQ	JEFFERSON PROVING GROUND
<i>Lygodium palmatum</i>	Climbing Fern	SE		8/19/1992	007N010E 23 NEQ NEQ	
<i>Lygodium palmatum</i>	Climbing Fern	SE		11/26/2000	007N010E 32 NEQ NEQ	
<i>Lygodium palmatum</i>	Climbing Fern	SE		11/11/1998	007N010E 31 NEQ SWQ NWQ	
<i>Lygodium palmatum</i>	Climbing Fern	SE		10/9/1998	007N010E 22 NWQ SEQ SWQ	
<i>Lygodium palmatum</i>	Climbing Fern	SE		3/11/2014	006N010E 22	BIG OAKS NATIONAL WILDLIFE REFUGE
<i>Lygodium palmatum</i>	Climbing Fern	SE		10/1/2011	004N010E 5	JEFFERSON PROVING GROUNDS TRACT
<i>Lygodium palmatum</i>	Climbing Fern	SE		11/21/2011	007N010E 20	BIG OAKS NWR
<i>Lygodium palmatum</i>	Climbing Fern	SE		5/15/2016	004N010E 2	KRUEGER LAKE COUNTY PARK (FORMERLY JEFFERSON PROVING GROUND)
<i>Panicum scoparium</i>	Broom Panic-grass	SE		10/2/1998	005N010E 21 NEQ SEQ	
<i>Asplenium ruta-muraria</i>	Wallrue Spleenwort	SR		4/24/1998	007N010E 30 SEQ NWQ NEQ	
<i>Asplenium ruta-muraria</i>	Wallrue Spleenwort	SR		3/11/2014	007N010E 29 SWQ SEQ NWQ	BIG OAKS NATIONAL WILDLIFE REFUGE
<i>Juniperus communis</i>	Ground Juniper	SR		1934-10	004N010E 07 SWQ	
<i>Lilium canadense</i>	Canada Lily	SR		2011-08	005N010E 31	JEFFERSON PROVING GROUNDS TRACT

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Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<i>Lycopodium obscurum</i>	Tree Clubmoss	SR		6/30/1992	006N010E 22 NWQ SWQ	JPG NATURAL AREA #6
<i>Lycopodium obscurum</i>	Tree Clubmoss	SR		6/17/1998	007N010E 23 NEQ SEQ NEQ	
<i>Lycopodium obscurum</i>	Tree Clubmoss	SR		1992	007N010E 14 NEQ NWQ SEQ	
<i>Lycopodium obscurum</i>	Tree Clubmoss	SR		7/10/1998	007N010E 21 SWQ NEQ SEQ	
<i>Lycopodium obscurum</i>	Tree Clubmoss	SR		10/21/1998	006N010E 06 SEQ SEQ NWQ	
<i>Lycopodium obscurum</i>	Tree Clubmoss	SR		7/1/1992	006N010E 23 NEQ NEQ	
<i>Oenothera perennis</i>	Small Sundrops	SR		7/1/1992	005N010E 35 NWQ NWQ	
<i>Oenothera perennis</i>	Small Sundrops	SR		6/18/1992	005N010E 33 SWQ SWQ	UNIT 70
<i>Oenothera perennis</i>	Small Sundrops	SR		1998	005N010E 21 SEQ	
<i>Oenothera perennis</i>	Small Sundrops	SR		1998	005N010E 18 SEQ SWQ	
<i>Oenothera perennis</i>	Small Sundrops	SR		1998	005N010E 30 SWQ SWQ	
<i>Oenothera perennis</i>	Small Sundrops	SR		6/18/1992	005N010E 23 SWQ NWQ	UNIT 61
<i>Oenothera perennis</i>	Small Sundrops	SR		1998	006N009E 12 SWQ SEQ NEQ	
<i>Oenothera perennis</i>	Small Sundrops	SR		1998	007N010E 32 SWQ SEQ NWQ	
<i>Oenothera perennis</i>	Small Sundrops	SR		1998	005N010E 23 SEQ SWQ	
<i>Oenothera perennis</i>	Small Sundrops	SR		1998	005N010E 21 SEQ SWQ	

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Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<i>Oenothera perennis</i>	Small Sundrops	SR		2011-07	004N010E 6	JEFFERSON PROVING GROUNDS TRACT
<i>Oenothera perennis</i>	Small Sundrops	SR		1998	006N010E 05 NWQ NWQ NWQ	
<i>Oenothera perennis</i>	Small Sundrops	SR		1998	007N010E 30 NWQ	
<i>Poa wolfii</i>	Wolf Bluegrass	SR		5/15/1998	007N010E 17 NEQ SWQ NWQ	
<i>Sagittaria australis</i>	Longbeak Arrowhead	SR		1992	007N010E 18 SWQ SWQ SWQ	
<i>Sagittaria australis</i>	Longbeak Arrowhead	SR		7/14/1998	007N010E 20 SEQ NWQ	
<i>Sagittaria australis</i>	Longbeak Arrowhead	SR		7/27/1998	005N010E 27 SWQ NWQ NWQ	
<i>Sagittaria australis</i>	Longbeak Arrowhead	SR		8/27/1998	006N010E 02 E2/3	LITTLE GRAHAM CREEK
<i>Sagittaria australis</i>	Longbeak Arrowhead	SR		8/27/1998	005N010E 18 NWQ SWQ NWQ	
<i>Sagittaria australis</i>	Longbeak Arrowhead	SR		8/25/1998	007N010E 17 SEQ SWQ	FALLING TIMBERS CREEK
<i>Sagittaria australis</i>	Longbeak Arrowhead	SR		9/21/1998	007N010E 27 SWQ NEQ SWQ	OLD TIMBERS LAKE
<i>Scirpus purshianus</i>	Weakstalk Bulrush	SR		8/27/1998	005N010E 18 NWQ SWQ NWQ	
<i>Scirpus purshianus</i>	Weakstalk Bulrush	SR		8/25/1998	006N010E 30 NEQ SWQ SWQ & NWQ SEQ SWQ	HYDES POND
<i>Scirpus purshianus</i>	Weakstalk Bulrush	SR		9/21/1998	007N010E 22 SEQ SEQ SWQ	OLD TIMBERS LAKE
<i>Waldsteinia fragarioides</i>	Barren Strawberry	SR		9/18/1998	007N009E 25 SEQ NEQ NEQ	

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Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<i>Waldsteinia fragarioides</i>	Barren Strawberry	SR		4/7/1998	007N010E 19 NEQ SWQ SWQ	
<i>Woodwardia areolata</i>	Netted Chainfern	SR		7/10/1998	007N010E 31 NEQ SWQ NWQ	
<i>Woodwardia areolata</i>	Netted Chainfern	SR		7/22/1992	006N010E 18 NWQ SEQ	
<i>Woodwardia areolata</i>	Netted Chainfern	SR		6/18/1992	005N010E 34 SEQ SWQ	UNIT 73
<i>Woodwardia areolata</i>	Netted Chainfern	SR		8/19/1992	007N010E 23 NEQ NEQ	
<i>Woodwardia areolata</i>	Netted Chainfern	SR		7/10/2003	005N010E 31 SEQ	JPG AREA 66
<i>Woodwardia areolata</i>	Netted Chainfern	SR		9/15/1998	007N009E 36 SWQ SWQ SEQ	
<i>Woodwardia areolata</i>	Netted Chainfern	SR		6/11/1992	006N010E 23 NEQ NEQ	
<i>Woodwardia areolata</i>	Netted Chainfern	SR		9/21/1998	006N010E 02 SWQ SEQ SEQ	
<i>Woodwardia areolata</i>	Netted Chainfern	SR		10/21/1998	006N010E 06 SEQ SWQ	
<i>Woodwardia areolata</i>	Netted Chainfern	SR		6/30/1992	006N010E 22 NWQ SWQ	JPG NATURAL AREA #6
<i>Woodwardia areolata</i>	Netted Chainfern	SR		2011-08	004N010E 6	JEFFERSON PROVING GROUNDS TRACT
<i>Woodwardia areolata</i>	Netted Chainfern	SR		10/2/1998	006N010E 27 NEQ SEQ NEQ	
<i>Najas gracillima</i>	Thread-like Naiad	ST		8/25/1998	006N010E 30 NWQ SEQ SWQ	HYDES POND
<i>Rhexia mariana</i> var. <i>mariana</i>	Maryland Meadow Beauty	ST		7/14/1998	005N010E 20 NWQ NEQ NEQ	

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Sci. Name	Com. Name	State	Fed.	Date	TRS	Site
<i>Rhexia mariana</i> var. <i>mariana</i>	Maryland Meadow Beauty	ST		10/2/1998	005N010E 21 NEQ SEQ SEQ & SEQ NEQ SEQ	
<i>Rhexia mariana</i> var. <i>mariana</i>	Maryland Meadow Beauty	ST		2011-08	005N010E 31 SEQ SEQ	JPG AREA 66
<i>Rhexia mariana</i> var. <i>mariana</i>	Maryland Meadow Beauty	ST		6/30/1998	005N010E 11 SWQ SWQ NWQ	
<i>Rhexia mariana</i> var. <i>mariana</i>	Maryland Meadow Beauty	ST		7/14/1998	005N010E 18 SWQ SEQ	
<i>Rhexia mariana</i> var. <i>mariana</i>	Maryland Meadow Beauty	ST		7/14/1998	005N010E 30 SWQ SWQ SWQ	
<i>Strophostyles leiosperma</i>	Slick-seed Wild-bean	ST		8/25/1998	007N010E 16 NORTH PERIMETER ROAD	
<i>Strophostyles leiosperma</i>	Slick-seed Wild-bean	ST		7/14/1998	006N009E 12 SWQ SEQ NEQ	
<i>Strophostyles leiosperma</i>	Slick-seed Wild-bean	ST		9/11/1992	007N010E 30 NWQ SEQ NWQ	
<i>Strophostyles leiosperma</i>	Slick-seed Wild-bean	ST		10/2/1998	005N010E 21 SEQ SEQ	
<i>Strophostyles leiosperma</i>	Slick-seed Wild-bean	ST		9/21/1998	007N010E 20 SERANO- BRETT ROAD	
<i>Strophostyles leiosperma</i>	Slick-seed Wild-bean	ST		2011-08	005N010E 31	JEFFERSON PROVING GROUNDS TRACT
<i>Hydrastis canadensis</i>	Golden Seal	WL		1992	007N010E 18 NWQ SEQ NWQ	JPG NATURAL AREA #1
<i>Linum striatum</i>	Ridged Yellow Flax	WL		1992	007N010E 26 SEQ SWQ NWQ	
<i>Oxalis illinoensis</i>	Illinois Woodsorrel	WL		5/15/1998	007N010E 18 SEQ NEQ NEQ	
<i>Panax quinquefolius</i>	American Ginseng	WL		1992	007N010E 18 NWQ SEQ NWQ	JPG NATURAL AREA #1

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<i>Panax trifolius</i>	Dwarf Ginseng	WL		4/14/1992	007N010E 18 SWQ SWQ SWQ	GATE 13 FLATWOODS
<i>Spiranthes vernalis</i>	Grassleaf Ladies'-tresses	WL		7/10/2003	005N010E 31 SWQ SEQ	

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