

## BellBendCOLPEm Resource

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**From:** Dewar, Nathaniel [c-ndewar@pa.gov]  
**Sent:** Monday, May 20, 2013 1:59 PM  
**To:** Quinn-Willingham, Laura  
**Subject:** RE: Request for Species for the Bell Bend DEIS  
**Attachments:** Seedco\_Final\_List.xlsx; Bell\_Bend\_Final\_Species\_List.xlsx; Humboldt\_Final\_List.xlsx; Montour\_Final\_List.xlsx

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Laura,

DCNR, PA Game Commission and USFWS all agreed to waive the data sharing agreement and release the species lists for the four sites. Spreadsheets with a list of species within a 21 mile radius for each site are attached.

Thanks,

Nathan Dewar

**Nathan Dewar** | Natural Resource GIS Specialist  
PA Department of Conservation and Natural Resources  
Pennsylvania Natural Heritage Program  
Bureau of Forestry  
400 Market Street | Harrisburg, PA 17105-8764  
Phone: 717-214-7512 | Fax: 717-772-0271  
E-Mail: [c-ndewar@pa.gov](mailto:c-ndewar@pa.gov)

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**From:** Quinn-Willingham, Laura [<mailto:Laura.Quinn-Willingham@nrc.gov>]  
**Sent:** Wednesday, January 23, 2013 9:54 AM  
**To:** Dewar, Nathaniel  
**Cc:** 'Becker, James M'; Doub, Peyton; Mcdowell, Bruce K; Leigh, Kimberly D  
**Subject:** Request for Species for the Bell Bend DEIS

Mr. Dewar,

Please see the attached letter that is requesting species information for use in the Nuclear Regulatory Commission's draft environmental impact statement. Also attached is the Natural Heritage Information System Data Request Form. This letter is also being sent via USPS mail. Should you have any questions regarding this request please contact me using the contact information below.

Thanks

*Laura Quinn-Willingham  
Project Manager  
Environmental Projects Branch 2  
Mailstop T6-C32  
Division of New Reactor Licensing  
Office of New Reactors  
Nuclear Regulatory Commission*

301-415-2220

[Laura.Quinn-Willingham@nrc.gov](mailto:Laura.Quinn-Willingham@nrc.gov)



Please consider the environment before printing this email.

**Hearing Identifier:** BellBend\_COL\_Public  
**Email Number:** 576

**Mail Envelope Properties** (563D325BC7DDA849A927F9728B53E08DAEB72F70C9)

**Subject:** RE: Request for Species for the Bell Bend DEIS  
**Sent Date:** 5/20/2013 1:58:40 PM  
**Received Date:** 5/20/2013 1:58:48 PM  
**From:** Dewar, Nathaniel

**Created By:** c-ndewar@pa.gov

**Recipients:**  
"Quinn-Willingham, Laura" <Laura.Quinn-Willingham@nrc.gov>  
Tracking Status: None

**Post Office:** ENHBGMBX08.PA.LCL

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1675	5/20/2013 1:58:48 PM
Seedco_Final_List.xlsx	14496	
Bell_Bend_Final_Species_List.xlsx		26106
Humboldt_Final_List.xlsx	13479	
Montour_Final_List.xlsx	14335	

**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:** Follow up

SPEC_CODE	ELCODE_B	SNAME	SCOMNAM	G_RANK	S_RANK	SPROT	PBSSTATUS	FED_STATU	TAXA
10943	A	Accipiter gr	Northern G	G5	S2S3B,S3N		CA	PS	B
12027	I	Aeshna ver	Green-striç	G5	S3S4				I
12193	I	Alasmidont	Elktoe	G4	S4		N		S
12194	I	Alasmidont	Triangle Flc	G4	S3S4		N		S
16124	G	Anticlinal	Anticlinal	GNR	SNR				G
13367	P	Arabis miss	Missouri Rç	G5	S1	PE	PE		P
10881	A	Ardea hero	Great Blue	G5	S3S4B,S4N				B
11057	A	Asio otus	Long-eared	G5	S2B,S2S3N	PT	PT		B
13936	P	Bartonia pç	Screw-sten	G5	S3	N	PR		P
12031	I	Boyeria grç	Ocellated	G5	S3				I
16076	C	Calcareous	Calcareous	GNR	S2				C
15018	P	Carex collir	Collin's Sed	G4	S2	PE	PT		P
15084	P	Carex longi	Long's Sedç	G5	S2S3	TU	PT		P
15086	P	Carex lupul	False Hop ç	G4	S1	TU	PE		P
15116	P	Carex retro	Backward ç	G5	S1	PE	PE		P
15145	P	Carex typhi	Cattail Sedç	G5	S2	PE	PT		P
11887	I	Catocala m	Miranda Uç	G3G4	SU				I
10940	A	Circus cyan	Northern H	G5	S2B,S4N	PT	PT		B
11115	A	Cistothoruç	Marsh Wre	G5	S2S3B		CA		B
11816	I	Citheronia	Pine Devil	G4	S2S4				I
13930	P	Corydalis a	Golden Cor	G5	S1	N	PE		P
11556	A	Crotalus hc	Timber Rat	G4	S3S4	PC	CA		A
14369	P	Dodecathe	Jeweled Sh	GNR	S2	PT	PT		P
16093	C	Dry oak - h	Dry oak - h	GNR	S3				C
11811	I	Epirrita aut	November	G5T5	SU				I
16125	G	Erosional rç	Erosional R	GNR	SNR				G
11683	I	Euphyes cc	Black Dash	G4	S3				I
13027	P	Eurybia rac	Rough-leav	G5	S2	N	PT		P
10952	A	Falco pereç	Peregrine F	G4	S1B,S1N	PE	PE	PS:LE	B
16132	G	Fossil plant	Fossil Plant	GNR	SNR				G
11522	A	Glyptemys	Bog Turtle	G3	S2	PE	PE	LT	A
10939	A	Haliaeetus	Bald Eagle	G5	S3B	PT	PT	PS	B
16066	C	Hemlock (v	Hemlock (v	GNR	S4				C
16028	C	Hemlock pç	Hemlock pç	GNR	S3				C
16006	C	Herbaceou	Herbaceou	GNR	S3S4				C
11661	I	Hesperia le	Leonard's ç	G4	S3			PS	I
16035	C	Highbush b	Highbush b	GNR	S5				C
11801	I	Hypagyrtis	Esther Mot	G5	S2S3				I
16131	G	Invertebra	Invertebra	GNR	SNR				G
15325	P	Juncus biflç	Grass-leavç	G5	S2	TU	PT		P
15301	P	Juncus deb	Weak Rush	G5	S3	N	PT		P
13181	P	Lactuca hir	Downy Letç	G5?	S3	N	TU		P
12214	I	Lampsilis cç	Yellow Lam	G3G4	S3S4		CU		S
12218	I	Lampsilis rç	Eastern Lar	G5	S2		CU		S
12224	I	Lasmigona	Green Floa	G3	S2		CU		S
12112	I	Lestes forc	Sweetflag ç	G5	S3S4				I

13846	P	Lupinus pe Lupine	G5	S3	PR	PR		P
11717	I	Lycaena hy Bronze Coq	G4G5	S3				I
15905	P	Lycopodiel Southern B	G5	S2	PT	PT		P
12229	I	Margaritife Eastern Pe	G4	S1	PE	PE		S
13738	P	Menziesia   Minniebusl	G4G5	S3	PR	PR		P
11450	A	Myotis leib Eastern Sm	G3	S1B,S1N	PT	PT		M
11451	A	Myotis sep Northern N	G4	S1		CR		M
11449	A	Myotis sod Indiana or	G2	SUB,S1N	PE	PE	LE	M
11476	A	Neotoma n Allegheny \	G3G4	S3	PT	PT		M
11946	I	Papaipema Flypoison E	G2G3	S2				I
13493	P	Paronychia Forked-chir	G5T3T5	S1S2	TU	PE		P
14771	P	Penstemon Beard-tong	G4	S3	N	TU		P
14345	P	Phlox ovata Mountain	G4	S1	PE	PE		P
15694	P	Piptochaet Blackseed	G5	S1	N	PE		P
15446	P	Platantheris Yellow-frin	G5	S2	TU	PT		P
10865	A	Podilymbu Pied-billed	G5	S3B,S4N		CR		B
16104	G	Sand dune Sand Dune	GNR	SNR				G
10856	A	Scaphiopus Eastern Sp	G5	S1	PE	PE		A
15236	P	Scirpus anc Northeaste	G3	S3	PE	PT	LE	P
16086	C	Scrub oak s Scrub oak s	GNR	S3				C
16026	C	Silver mapl Silver mapl	GNR	S4				C
13263	P	Solidago sp Showy Gol	G5T5?	S2	N	PT		P
13527	P	Stellaria bc Mountain	G5	S1S2	N	TU		P
11573	I	Stygobrom Allegheny	G5	S2S3				I
16064	C	Sugar mapl Sugar mapl	GNR	S4				C
12098	I	Sympetrun Band-wing	G5	S3S4				I
11050	A	Tyto alba Barn Owl	G5	S2S3B,S2S3		CA		B
12254	I	Villosa iris Rainbow W	G5Q	S1		PE		S
16101	C	Virginia pin Virginia pin	GNR	S2				C
15835	P	Woodward Netted Cha	G5	S2	N	PT		P
11978	I	Xestia elim Southern V	G5	S2S3				I
11839	I	Zale metat:A Zale Mot	G5	SNR				I

List of Federally and State listed/candidate species within 21 miles of the Bell Bend site\*

\* This list does not include State and joint State-Federally listed/candidate species that fall under the Jurisdiction

<b>Scientific Name</b>	<b>Common Name</b>
<i>Botaurus lentiginosus</i>	American Bittern
<i>Ardea herodias</i>	Great Blue Heron
<i>Haliaeetus leucocephalus</i>	Bald Eagle
<i>Circus cyaneus</i>	Northern Harrier
<i>Accipiter gentilis</i>	Northern Goshawk
<i>Falco peregrinus</i>	Peregrine Falcon
<i>Gallinago delicata</i>	Wilson's Snipe
<i>Tyto alba</i>	Barn Owl
<i>Empidonax flaviventris</i>	Yellow-bellied Flycatcher
<i>Cistothorus palustris</i>	Marsh Wren
<i>Catharus ustulatus</i>	Swainson's Thrush
<i>Sorex palustris albibarbis</i>	Water Shrew
<i>Myotis sodalis</i>	Indiana or Social Myotis
<i>Myotis leibii</i>	Eastern Small-footed Myotis
<i>Myotis septentrionalis</i>	Northern Myotis
<i>Glaucomys sabrinus</i>	Northern Flying Squirrel
<i>Neotoma magister</i>	Allegheny Woodrat
<i>Microtus chrotorrhinus</i>	Rock Vole
<i>Erynnis persius persius</i>	Persius Duskywing
<i>Carterocephalus palaemon mandan</i>	Arctic Skipper
<i>Hesperia leonardus</i>	Leonard's Skipper
<i>Poanes massasoit</i>	Mulberry Wing
<i>Amblyscirtes vialis</i>	Common Roadside Skipper
<i>Lycaena epixanthe</i>	Bog Copper
<i>Speyeria atlantis</i>	Atlantis Fritillary
<i>Boloria selene myrina</i>	Silver Bordered Fritillary
<i>Chlosyne harrisii</i>	Harris' Checkerspot
<i>Euphydryas phaeton</i>	Baltimore
<i>Lethe eurydice</i>	Eyed Brown
<i>Itame sp. 1 nr. inextricata</i>	Barrens Itame (Cf I. Inextricata)
<i>Glena cognataria</i>	Blueberry Gray
<i>Hemileuca maia</i>	Barrens Buckmoth
<i>Sphinx gordius</i>	
Bat Hibernaculum	Winter Bat Colony
<i>Eurybia radula</i>	Rough-leaved Aster
<i>Bidens discoidea</i>	Small Beggar-ticks
<i>Megalodonta beckii</i>	Beck's Water-marigold
<i>Arabis missouriensis</i>	Missouri Rock-cress
<i>Stellaria borealis</i>	Mountain Starwort
<i>Helianthemum bicknellii</i>	Bicknell's Hoary Rockrose
<i>Lonicera hirsuta</i>	Hairy Honeysuckle
<i>Elatine americana</i>	Long-stemmed Water-wort
<i>Gaultheria hispidula</i>	Creeping Snowberry
<i>Ledum groenlandicum</i>	Common Labrador-tea

Lupinus perennis	Lupine
Bartonia paniculata	Screw-stem
Ribes lacustre	Swamp Currant
Myriophyllum heterophyllum	Broad-leaved Water-milfoil
Utricularia cornuta	Horned Bladderwort
Utricularia intermedia	Flat-leaved Bladderwort
Polemonium vanbruntiae	Jacob's-ladder
Dodecatheon radicans	Jeweled Shooting-star
Amelanchier bartramiana	Oblong-fruited Serviceberry
Amelanchier humilis	Serviceberry
Amelanchier obovalis	Coastal Juneberry
Prunus pumila var. susquehanae	
Rosa virginiana	Virginia Rose
Potentilla tridentata	Three-toothed Cinquefoil
Viola selkirkii	Great-spurred Violet
Carex bicknellii	Bicknell's Sedge
Carex disperma	Soft-leaved Sedge
Carex lasiocarpa	Slender Sedge
Carex limosa	Mud Sedge
Carex longii	Long's Sedge
Carex polymorpha	Variable Sedge
Cyperus diandrus	Umbrella Flatsedge
Scirpus ancistrochaetus	Northeastern Bulrush
Schoenoplectus subterminalis	Water Bulrush
Schoenoplectus torreyi	Torrey's Bulrush
Juncus filiformis	Thread Rush
Streptopus amplexifolius	White Twisted-stalk
Aplectrum hyemale	Puttyroot
Coeloglossum viride	Long-bracted Green Orchid
Platanthera blephariglottis	White Fringed-orchid
Platanthera ciliaris	Yellow-fringed Orchid
Elymus trachycaulus	Slender Wheatgrass
Muhlenbergia uniflora	Fall Dropseed Muhly
Piptatherum pungens	Slender Mountain-ricegrass
Potamogeton confervoides	Tuckerman's Pondweed
Potamogeton gramineus	Grassy Pondweed
Potamogeton vaseyi	Vasey's Pondweed
Dryopteris clintoniana	Clinton's Wood Fern
Polystichum braunii	Braun's Holly Fern
Vittaria appalachiana	Appalachian Gametophyte Fern
Herbaceous vernal pond	Herbaceous vernal pond
Red maple - black-gum palustrine forest	Red maple - black-gum palustrine forest
Hemlock palustrine forest	Hemlock palustrine forest
Hemlock - mixed hardwood palustrine forest	Hemlock - mixed hardwood palustrine forest
Red spruce - mixed hardwood palustrine forest	Red spruce - mixed hardwood palustrine forest
Red spruce palustrine forest	Red spruce palustrine forest
Highbush blueberry - sphagnum wetland	Highbush blueberry - sphagnum wetland

Leatherleaf -cranberry peatland  
Leatherleaf - bog rosemary peatland  
Sugar maple - basswood  
Hemlock (white pine) forest  
Calcareous opening/cliff  
Little bluestem - pennsylvania sedge opening  
Low heath shrubland  
Scrub oak shrubland  
Dry oak - heath woodland  
Pitch pine - scrub oak woodland  
Pitch pine - rhodora - scrub oak woodland  
Virginia pine - mixed hardwood shale woodland  
Erosional remnant  
Talus cave community

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Leatherleaf - bog rosemary peatland  
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Pitch pine - rhodora - scrub oak woodland  
Virginia pine - mixed hardwood shale woodland  
Erosional Remnant  
Talus Cave Community



Division of the PA Fish and Boat Commission

Global Rank	State Rank	State Protection	PBS Status	Federal Status	State Agency
G4	S1B	PE	PE		PGC
G5	S3S4B,S4N				PGC
G5	S3B	PT	PT	PS	PGC
G5	S2B,S4N	PT	PT		PGC
G5	S2S3B,S3N		CA	PS	PGC
G4	S1B,S1N	PE	PE	PS:LE	PGC
G5	S3B,S3N		CR		PGC
G5	S2S3B,S2S3		CA		PGC
G5	S1S2B	PE	PE		PGC
G5	S2S3B		CA		PGC
G5	S2S3B,S5N		CR		PGC
G5T5	S3		CR		PGC
G2	SUB,S1N	PE	PE	LE	PGC
G3	S1B,S1N	PT	PT		PGC
G4	S1		CR		PGC
G5	SU	PE		PS	PGC
G3G4	S3	PT	PT		PGC
G4	S2		CA		PGC
G5T1T3	S1				DCNR
G5T5	S2				DCNR
G4	S3			PS	DCNR
G4	S2				DCNR
G4	S2				DCNR
G4G5	S2				DCNR
G5	S3				DCNR
G5T5	S3				DCNR
G4	S3				DCNR
G4	S3				DCNR
G4	S3				DCNR
G3G4	S1				DCNR
G4	S1				DCNR
G5	S1S2				DCNR
G4	S1S3				DCNR
GNR	SU				PGC
G5	S2	N	PT		DCNR
G5	S3	N	PR		DCNR
G4G5	S1	PE	PE		DCNR
G5	S1	PE	PE		DCNR
G5	S1S2	N	TU		DCNR
G5	S2	PE	PE		DCNR
G4G5	S1	TU	PE		DCNR
G4	SU	PX	PE		DCNR
G5	S3	PR	PR		DCNR
G5	S3	PR	PR		DCNR

G5	S3	PR	PR	DCNR
G5	S3	N	PR	DCNR
G5	S1	TU	PE	DCNR
G5	S4	PE	SP	DCNR
G5	S2	N	PT	DCNR
G5	S2	PT	PT	DCNR
G3G4	S1	PE	PE	DCNR
GNR	S2	PT	PT	DCNR
G5	S1	PE	PE	DCNR
G5	S1	TU	PE	DCNR
G4G5	S1	TU	PE	DCNR
G5T4	S2		PT	DCNR
G5	S1	TU	TU	DCNR
G5	S1	PE	PE	DCNR
G5?	S3S4	N	PR	DCNR
G5	S1	PE	PE	DCNR
G5	S3	PR	PR	DCNR
G5	S3	PR	PR	DCNR
G5	S2	TU	PT	DCNR
G5	S2S3	TU	PT	DCNR
G3	S2	PE	PT	DCNR
G5	S2	PE	PE	DCNR
G3	S3	PE	PT	DCNR
G4G5	S3	N	PR	DCNR
G5?	S1	PE	PE	DCNR
G5	S3	PR	PR	DCNR
G5	S1	PT	PE	DCNR
G5	S3	PR	PR	DCNR
G5	SH	TU	PE	DCNR
G4G5	S2S3	N	PE	DCNR
G5	S2	TU	PT	DCNR
G5	S3	N	TU	DCNR
G5	S2	PE	PT	DCNR
G5	S2	PE	PE	DCNR
G4	S2	PT	PT	DCNR
G5	S1	PE	PE	DCNR
G4	S1	PE	PE	DCNR
G5	S2	N	PT	DCNR
G5	S1	PE	PE	DCNR
G4	S2	PT	PT	DCNR
GNR	S3S4			DCNR
GNR	S3S4			DCNR
GNR	S3			DCNR
GNR	S3S4			DCNR
GNR	S3			DCNR
GNR	S3			DCNR
GNR	S5			DCNR

LE



SNAME	SCOMNAME
<i>Haliaeetus leucocephalus</i>	Bald Eagle
<i>Accipiter gentilis</i>	Northern Goshawk
<i>Falco peregrinus</i>	Peregrine Falcon
<i>Tyto alba</i>	Barn Owl
<i>Cistothorus palustris</i>	Marsh Wren
<i>Sorex palustris albibarbis</i>	Water Shrew
<i>Myotis sodalis</i>	Indiana or Social Myotis
<i>Myotis leibii</i>	Eastern Small-footed Myotis
<i>Myotis septentrionalis</i>	Northern Myotis
<i>Glaucomys sabrinus</i>	Northern Flying Squirrel
<i>Neotoma magister</i>	Allegheny Woodrat
<i>Erynnis persius persius</i>	Persius Duskywing
<i>Hesperia leonardus</i>	Leonard's Skipper
<i>Poanes massasoit</i>	Mulberry Wing
<i>Euphyes conspicuus</i>	Black Dash
<i>Amblyscirtes vialis</i>	Common Roadside Skipper
<i>Lycaena epixanthe</i>	Bog Copper
<i>Satyrium edwardsii</i>	Edwards' Hairstreak
<i>Satyrium titus</i>	Coral Hairstreak
<i>Speyeria atlantis</i>	Atlantis Fritillary
<i>Boloria selene myrina</i>	Silver Bordered Fritillary
<i>Euphydryas phaeton</i>	Baltimore
<i>Lethe eurydice</i>	Eyed Brown
<i>Itame sp. 1 nr. inextricata</i>	Barrens Itame (Cf I. Inextricata)
<i>Glena cognataria</i>	Blueberry Gray
<i>Hemileuca maia</i>	Barrens Buckmoth
<i>Sphinx gordius</i>	
<i>Papaipema sp. 1</i>	Flypoison Borer Moth
<i>Metaxaglaea semitaria</i>	Footpath Sallow Moth
<i>Epiglaea apiata</i>	Pointed Sallow
<i>Chaetoglaea cerata</i>	a sallow moth
<i>Psectraglaea carnosia</i>	Pink Sallow
<i>Sideridis maryx</i>	
<i>Diarsia rubifera</i>	
<i>Aplectoides condita</i>	A Noctuid Moth
<i>Bat Hibernaculum</i>	Winter Bat Colony
<i>Eurybia radula</i>	Rough-leaved Aster
<i>Bidens discoidea</i>	Small Beggar-ticks
<i>Arabis missouriensis</i>	Missouri Rock-cress
<i>Paronychia fastigiata var. nuttallii</i>	Forked-chickweed
<i>Helianthemum bicknellii</i>	Bicknell's Hoary Rockrose
<i>Lonicera hirsuta</i>	Hairy Honeysuckle
<i>Elatine americana</i>	Long-stemmed Water-wort
<i>Gaultheria hispidula</i>	Creeping Snowberry
<i>Lupinus perennis</i>	Lupine
<i>Bartonia paniculata</i>	Screw-stem

Myriophyllum heterophyllum	Broad-leaved Water-milfoil
Utricularia intermedia	Flat-leaved Bladderwort
Myrica gale	Sweet-gale
Epilobium palustre	Marsh Willow-herb
Dodecatheon radicans	Jeweled Shooting-star
Amelanchier humilis	Serviceberry
Amelanchier obovata	Coastal Juneberry
Prunus pumila var. susquehanae	
Rosa virginiana	Virginia Rose
Potentilla tridentata	Three-toothed Cinquefoil
Carex bicknellii	Bicknell's Sedge
Carex collinsii	Collin's Sedge
Carex lasiocarpa	Slender Sedge
Carex limosa	Mud Sedge
Carex longii	Long's Sedge
Carex polymorpha	Variable Sedge
Carex paupercula	Bog Sedge
Cyperus diandrus	Umbrella Flatsedge
Cyperus schweinitzii	Schweinitz's Flatsedge
Scirpus ancistrochaetus	Northeastern Bulrush
Schoenoplectus subterminalis	Water Bulrush
Schoenoplectus torreyi	Torrey's Bulrush
Juncus debilis	Weak Rush
Juncus filiformis	Thread Rush
Streptopus amplexifolius	White Twisted-stalk
Platanthera blephariglottis	White Fringed-orchid
Platanthera ciliaris	Yellow-fringed Orchid
Muhlenbergia uniflora	Fall Dropseed Muhly
Piptatherum pungens	Slender Mountain-ricegrass
Poa languida	Drooping Bluegrass
Potamogeton confervoides	Tuckerman's Pondweed
Potamogeton oakesianus	Oakes' Pondweed
Sparganium angustifolium	Bur-reed
Dryopteris clintoniana	Clinton's Wood Fern
Huperzia porophila	Rock Clubmoss
Herbaceous vernal pond	Herbaceous vernal pond
Red maple - black-gum palustrine forest	Red maple - black-gum palustrine forest
Hemlock palustrine forest	Hemlock palustrine forest
Hemlock - mixed hardwood palustrine forest	Hemlock - mixed hardwood palustrine forest
Red spruce - mixed hardwood palustrine forest	Red spruce - mixed hardwood palustrine forest
Highbush blueberry - sphagnum wetland	Highbush blueberry - sphagnum wetland
Leatherleaf -cranberry peatland	Leatherleaf -cranberry peatland
Red spruce palustrine woodland	Red spruce palustrine woodland
Hemlock (white pine) forest	Hemlock (white pine) forest
Calcareous opening/cliff	Calcareous opening/cliff
Little bluestem - pennsylvania sedge opening	Little bluestem - pennsylvania sedge opening
Low heath shrubland	Low heath shrubland

Scrub oak shrubland  
Dry oak - heath woodland  
Pitch pine - scrub oak woodland  
Pitch pine - rhodora - scrub oak woodland  
Pitch pine - mixed hardwood woodland  
Virginia pine - mixed hardwood shale woodland  
Boulder belts  
Anticlines  
Erosional remnant  
Fossil plants  
Ephemeral/fluctuating natural pool

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G_RANK	S_RANK	SPROT	PBSSTATUS	FED_STATU	TAXA
G5	S3B	PT	PT	PS	PGC
G5	S2S3B,S3N		CA	PS	PGC
G4	S1B,S1N	PE	PE	PS:LE	PGC
G5	S2S3B,S2S3		CA		PGC
G5	S2S3B		CA		PGC
G5T5	S3		CR		PGC
G2	SUB,S1N	PE	PE	LE	PGC
G3	S1B,S1N	PT	PT		PGC
G4	S1		CR		PGC
G5	SU	PE		PS	PGC
G3G4	S3	PT	PT		PGC
G5T1T3	S1				DCNR
G4	S3			PS	DCNR
G4	S2				DCNR
G4	S3				DCNR
G4	S2				DCNR
G4G5	S2				DCNR
G4	S3				DCNR
G4G5	S3				DCNR
G5	S3				DCNR
G5T5	S3				DCNR
G4	S3				DCNR
G4	S3				DCNR
G3G4	S1				DCNR
G4	S1				DCNR
G5	S1S2				DCNR
G4	S1S3				DCNR
G2G3	S2				DCNR
G5	S2				DCNR
G5	S3S4				DCNR
G3G4	S2S3				DCNR
G3	S1				DCNR
G4	S1S3				DCNR
G5	SU				DCNR
G4	S2S3				DCNR
GNR	SU				PGC
G5	S2	N	PT		DCNR
G5	S3	N	PR		DCNR
G5	S1	PE	PE		DCNR
G5T3T5	S1S2	TU	PE		DCNR
G5	S2	PE	PE		DCNR
G4G5	S1	TU	PE		DCNR
G4	SU	PX	PE		DCNR
G5	S3	PR	PR		DCNR
G5	S3	PR	PR		DCNR
G5	S3	N	PR		DCNR

G5	S4	PE	SP		DCNR
G5	S2	PT	PT		DCNR
G5	S2	PT	PT		DCNR
G5	S1	TU	TU		DCNR
GNR	S2	PT	PT		DCNR
G5	S1	TU	PE		DCNR
G4G5	S1	TU	PE		DCNR
G5T4	S2		PT		DCNR
G5	S1	TU	TU		DCNR
G5	S1	PE	PE		DCNR
G5	S1	PE	PE		DCNR
G4	S2	PE	PT		DCNR
G5	S3	PR	PR		DCNR
G5	S2	TU	PT		DCNR
G5	S2S3	TU	PT		DCNR
G3	S2	PE	PT		DCNR
G5	S3	PT	PR		DCNR
G5	S2	PE	PE		DCNR
G5	S2	PR	PR		DCNR
G3	S3	PE	PT	LE	DCNR
G4G5	S3	N	PR		DCNR
G5?	S1	PE	PE		DCNR
G5	S3	N	PT		DCNR
G5	S3	PR	PR		DCNR
G5	S1	PT	PE		DCNR
G4G5	S2S3	N	PE		DCNR
G5	S2	TU	PT		DCNR
G5	S2	PE	PT		DCNR
G5	S2	PE	PE		DCNR
G3G4Q	S2	TU	PT		DCNR
G4	S2	PT	PT		DCNR
G4	S1S2	TU	PE		DCNR
G5	S2	N	PT		DCNR
G5	S2	N	PT		DCNR
G4	S1	PE	PE		DCNR
GNR	S3S4				DCNR
GNR	S3S4				DCNR
GNR	S3				DCNR
GNR	S3S4				DCNR
GNR	S3				DCNR
GNR	S5				DCNR
GNR	S2S3				DCNR
GNR	S2S3				DCNR
GNR	S4				DCNR
GNR	S2				DCNR
GNR	S3S4				DCNR
GNR	S1				DCNR





SPEC_CODE	ELCODE	BSNAME	SCOMNAM	G_RANK	S_RANK	SPROT	PBSSTATUS	FED_STATU	TAXA
10856	A	Scaphiopus	Eastern Sp	G5	S1	PE	PE		A
10865	A	Podilymbu	Pied-billed	G5	S3B,S4N		CR		B
10939	A	Haliaeetus	Bald Eagle	G5	S3B	PT	PT	PS	B
10940	A	Circus cyan	Northern H	G5	S2B,S4N	PT	PT		B
10952	A	Falco pereę	Peregrine F	G4	S1B,S1N	PE	PE	PS:LE	B
11050	A	Tyto alba	Barn Owl	G5	S2S3B,S2S3		CA		B
11115	A	Cistothoru	Marsh Wre	G5	S2S3B		CA		B
11437	A	Sorex palu	Water Shre	G5T5	S3		CR		M
11449	A	Myotis sod	Indiana or	G2	SUB,S1N	PE	PE	LE	M
11450	A	Myotis leib	Eastern Sm	G3	S1B,S1N	PT	PT		M
11451	A	Myotis sep	Northern N	G4	S1		CR		M
11480	A	Microtus cl	Rock Vole	G4	S2		CA		M
11556	A	Crotalus hc	Timber Rat	G4	S3S4	PC	CA		A
11573	I	Stygobrom	Allegheny	G5	S2S3				I
11661	I	Hesperia le	Leonard's	G4	S3			PS	I
11683	I	Euphyes cc	Black Dash	G4	S3				I
11717	I	Lycaena hy	Bronze Cop	G4G5	S3				I
11718	I	Lycaena ep	Bog Coppe	G4G5	S2				I
11726	I	Callophrys	Juniper Hai	G5	S3				I
11816	I	Citheronia	Pine Devil	G4	S2S4				I
11946	I	Papaipema	Flypoison E	G2G3	S2				I
11961	I	Epiglaea aę	Pointed Sal	G5	S3S4				I
11965	I	Xylotype cę	Broad Sallo	G4	S3				I
11970	I	Apharetra	A Noctuid I	G4	S2				I
11978	I	Xestia elim	Southern V	G5	S2S3				I
12014	I	Ophiogomj	Riffle Snak	G5	S2S3				I
12024	I	Rhionaescl	Spatterdoc	G4	S2				I
12029	I	Anax longię	Comet Dar	G5	S1S2				I
12031	I	Boyeria gra	Ocellated	G5	S3				I
12043	I	Dorocordu	Petite Eme	G5	S2				I
12098	I	Sympetrun	Band-wing	G5	S3S4				I
12103	I	Calopteryx	River Jewel	G5	S2				I
12105	I	Calopteryx	Superb Jew	G4	S2S3				I
12112	I	Lestes forc	Sweetflag	G5	S3S4				I
12167	I	Arigomphu	Lilypad Clu	G5	S3				I
12193	I	Alasmidont	Elktoe	G4	S4		N		S
12194	I	Alasmidont	Triangle Flc	G4	S3S4		N		S
12214	I	Lampsilis c	Yellow Lam	G3G4	S3S4		CU		S
12218	I	Lampsilis r	Eastern Lar	G5	S2		CU		S
12224	I	Lasmigona	Green Floa	G3	S2		CU		S
12254	I	Villosa iris	Rainbow M	G5Q	S1		PE		S
13181	P	Lactuca hir	Downy Let	G5?	S3	N	TU		P
13367	P	Arabis miss	Missouri R	G5	S1	PE	PE		P
13846	P	Lupinus pe	Lupine	G5	S3	PR	PR		P
13930	P	Corydalis a	Golden Cor	G5	S1	N	PE		P
13936	P	Bartonia pę	Screw-sten	G5	S3	N	PR		P

14068	P	Monarda p Spotted Be	G5	SH	PE	PE	P
14149	P	Rotala ram Tooth-cup	G5	S3	PR	PR	P
14221	P	Ludwigia p False Loose	G4	S1	PE	PE	P
14368	P	Dodecathe Common	S G5	S1	PE	PE	P
14369	P	Dodecathe Jeweled Sh	GNR	S2	PT	PT	P
14429	P	Ranunculus ambigen	G4	S3	N	TU	P
14431	P	Ranunculu: White Wat	G5T5	S3		PR	P
14891	P	Viola selkir Great-spur	G5?	S3S4	N	PR	P
14917	P	Juniperus c Common J	G5	S2	N	TU	P
15008	P	Carex bulla Bull Sedge	G5	S1	PE	PE	P
15084	P	Carex longi Long's Sed	G5	S2S3	TU	PT	P
15086	P	Carex lupul False Hop	G4	S1	TU	PE	P
15116	P	Carex retro Backward	G5	S1	PE	PE	P
15145	P	Carex typhi Cattail Sed	G5	S2	PE	PT	P
15241	P	Schoenopl River Bulru	G5	S3	PR	PR	P
15317	P	Juncus scir Scirpus-like	G5	S1	PE	PE	P
15325	P	Juncus bifl Grass-leav	G5	S2	TU	PT	P
15359	P	Erythroniu White Trou	G5	S3	N	TU	P
15417	P	Aplectrum Puttyroot	G5	S3	PR	PR	P
15446	P	Platanther Yellow-frin	G5	S2	TU	PT	P
15582	P	Dichanthe Long-haire	G5T5	SH	TU	PE	P
15793	P	Potamoget Vasey's Poi	G4	S1	PE	PE	P
16001	C	Bulrush ma Bulrush ma	GNR	S3			C
16006	C	Herbaceou Herbaceou	GNR	S3S4			C
16026	C	Silver mapl Silver mapl	GNR	S4			C
16029	C	Hemlock - Hemlock -	GNR	S3S4			C
16064	C	Sugar mapl Sugar mapl	GNR	S4			C
16066	C	Hemlock (v Hemlock (v	GNR	S4			C
16076	C	Calcareous Calcareous	GNR	S2			C
16096	C	Pitch pine - Pitch pine -	GNR	S2S3			C
16104	G	Sand dune Sand Dune	GNR	SNR			G
16125	G	Erosional r Erosional R	GNR	SNR			G
16157	H	Ephemeral Ephemeral	GNR	S1			C