

AGENDA

Board of Wildlife Resources
7870 Villa Park Drive
Henrico, Virginia 23228

October 24, 2024
9:00 am

Call to Order and Welcome –

1. Proposed Hound Hunting Regulations ***Final Action***
2. Approval of the August 22, 2024 Board Meeting Minutes ***Final Action***
3. Public Comments – Non - Agenda Items
4. Committee Meeting Reports:

Wildlife and Boat Committee:

- Proposed Aquatic Regulations ***Final Action***
- Proposed Boating Regulations ***Final Action***
- Proposed Non-Game Regulations ***Final Action***

Finance, Audit & Compliance Committee:

Law Enforcement Committee:

Education, Planning, and Outreach Committee:

5. Director's Report

6. Chairman's Report
7. Additional Business/Comments
8. Next Meeting Date: Thursday, January 23, 2025
9. Closed Session
10. Adjournment

Draft Board Meeting Minutes

Board of Wildlife Resources
7870 Villa Park Drive
Henrico, VA 23228

August 22, 2024
9:00 am

Present: Mr. Jon Cooper, **Chair,** Mr. George Terwilliger, **Vice Chair;** **Board Members:** Ms. Laura Walters, Mr. Lynwood Broaddus, Mr. Woody Woodall, Mr. Will Wampler, Mr. James Edmunds, Mr. Michael Formica, Mr. Brian Vincent, and Dr. Mamie Parker; **Absent:** Mr. John Daniel; **Executive Director:** Mr. Ryan J. Brown; **Deputy Directors:** Ms. Becky Gwynn and Mr. Darin Moore; **Director's Working Group:** Dr. Mike Bednarski, Mr. Bob Smet, Mr. George Braxton, Mr. Michael Lipford, Ms. Stacey Brown, Ms. Rebecca Lane, Colonel John Cobb.

The Chair called the meeting to order at 9:00 am. The Chair welcomed everyone to the meeting. The Chair noted for the record that a quorum was present.

The Chair recognized and introduced our 2 new Board Members to their first meeting, Ms. Laura W. Walters and Mr. Lynwood D. Broaddus.

Ms. Laura Walters read the Mission Statement.

The Chair led the Pledge to the Flag.

Ms. Kelci Block, Assistant Attorney General attended the Board meeting.

Recognitions of Employees and Others: The Chair called on Director Ryan Brown for Recognitions of Employees.

The Director called on Colonel John Cobb for introduction and recognition of Boating Officer of the Year, Officer First Class Adam Roberts.

The Director called on Colonel Cobb who recognized Mr. Doug Goodman, former Police Chief for Town of Ashland who has worked with DWR for the past 2 years and Law Enforcement is thanking him for his service the last 2 years.

The Director called on Mr. Bob Smet to recognize staff who received awards from the ACI Conference, Ms. Molly Kirk, Mr. Will Arnold, Mr. Ron Messina.

The Director called on Dr. Gray Anderson for introduction and recognition of a Lifesaving Award to Mr. Danny Harrington.

The Director recognized Mr. Jon Joyner, Mr. Billy Hall, and Mr. Cully McCurdy from the National Wild Turkey Federation, VA State Chapter to thank them for all they do for DWR, partnerships, fundraising, help with DWR projects every year.

Approval of the May 23, 2024, Board Meeting Minutes:

The minutes of the May 23, 2024, Board meeting minutes have been distributed and posted to the website for review. The Chair called for a motion to approve the minutes. Mr. Edmunds made a motion to approve the May 23, 2024, Board meeting minutes. It was seconded by Mr. Terwilliger.

Ayes: Woodall, Edmunds, Cooper, Vincent, Walters, Wampler, Broaddus, Parker, Terwilliger, Formica.

Public Comments – Non-Agenda Items:

The Chair called for Public Comments – Non-Agenda Items:

- Mr. Judge Charlton spoke regarding hound hunting (in person)
- Mr. Gary Kimberlin spoke regarding hound hunting (in person)
- Ms. Amanda Savignano spoke regarding hound hunting (in person)
- Mr. Chris Patton spoke regarding hound hunting (in person)
- Mr. Jim Medeiros spoke regarding hound hunting (in person)
- Mr. Raymond Carter spoke regarding hound hunting (in person)
- Mr. Michael Lindsey spoke regarding hound hunting (in person)
- Ms. Debra Watkins spoke regarding hound hunting (in person)
- Mr. Nelson Gentry spoke regarding hound hunting (in person)
- Mr. Bill Youmans spoke regarding hound hunting (in person)
- Mr. Todd Grubbs spoke regarding hound hunting (in person)
- Ms. Glenda Grubbs spoke regarding hound hunting (in person)
- Mr. Taylor Britt spoke regarding hound hunting (in person)
- Ms. Peggy Barton spoke regarding hound hunting (in person)
- Mr. James Hudson spoke regarding hound hunting (in person)

The Chair thanked all the speakers for their comments and time commitment to our meeting.

The Chair called for a 10-minute break at 10:30 am

The Chair resumed the meeting at 10:40 am

Committee Reports:

Wildlife and Boat Committee:

The Chair called on Mr. James Edmunds for an update of the Wildlife and Boat Committee meeting.

Mr. Edmunds gave an update on the Wildlife and Boat Committee meeting from August 21, 2024.

- Naming of a New Wildlife Management Area
- Biennial Wildlife Regulation Schedule
- Bear Mangle Update
- Boating Division Stakeholder Engagement
- Division updates

Mr. Edmunds brought forth 2 Staff Recommendations for Board Action.

The First Staff Recommendation was for Biennial Wildlife Regulation Schedule –

The Chair called for a motion, Mr. Edmunds made a motion, Mr. Chairman, I move that the Board approve the regulation review and amendment process and the recommended Board meeting date as it was presented by staff. It was seconded by Dr. Parker. Ayes: Woodall, Walters, Edmunds, Cooper, Vincent, Wampler, Broaddus, Parker, Terwilliger, Formica

The Second Staff Recommendation was for Naming of a New Wildlife Management Area –

The Chair called for a motion, Mr. Edmunds made a motion, Mr. Chairman, I move that the Board endorse the proposed property names and designations as approved by the Wildlife and Boat Committee. It was seconded by Dr. Mamie Parker. Ayes: Woodall, Edmunds, Cooper, Vincent, Walters, Wampler, Broaddus, Parker, Terwilliger, Formica

The Chair thanked Mr. Edmunds for his Wildlife and Boat Committee report.

Public Comment:

Mr. Greg Austin spoke regarding Bear Mangle
Mr. Eric Lehmann spoke regarding Bear Mangle

Finance, Audit, and Compliance Committee: The Chair called on Mr. George Terwilliger for a report.

Mr. Terwilliger gave a report of the Finance, Audit, & Compliance Committee meeting, which included:

- DWR FY 24 Budget to Actual Review
- New Grant Awards for FY 24 and FY 25
- FY 24 Customer Analysis
- Introduction of new Deputy Director Marika Monroe

After comments and questions, the Chair thanked Mr. Terwilliger and Mr. Lewis for their report.

Law Enforcement Committee: The Chair called on Mr. Michael Formica to give an update on the Law Enforcement Committee meeting.

Mr. Formica gave an update on Law Enforcement:

- Update on Law Enforcement Training for Hound Hunting
- Hollywood Buck Presentation Case

After comments and questions, the Chair thanked Mr. Formica for his report.

Education, Planning, and Outreach Committee Report: The Chair called on Mr. Will Wampler for a report on the Education, Planning, and Outreach Committee meeting.

Mr. Wampler gave an update of the EPO Committee meeting:

- Mr. Bob Smet on Hound Outreach Deliverables
- Ms. Kelsey Steenburgh on Corporate Engagement Strategy
- Mr. Jimmy Mootz and Mr. David Hennaman on Hunting Outreach Programming
- Mr. Max Goldman on Virginia Birding Classic
- Mr. Bob Smet on his Outreach Division Update:

Mr. Wampler thanked and congratulated all the staff of the Outreach Division for their exceptional talent and hard work to this agency.

Dr. Mamie Parker acknowledged staff and Director Brown for all their efforts on the Grant money they all worked so hard on to receive, and awards receive at the ACI conference.

Director's Report: The Chair called on Mr. Ryan Brown for his report.

Mr. Brown reported on:

- ACI Conference and what an awesome job Outreach Division did putting it together
- Thankful to the Board for all their support

- Thanked the Public for their time and energy coming to the meetings to discuss what is important to them
- Thanked staff for all of their work

Chairman's Report: The Chairman thanked staff for all the hard work that goes into these meetings and all day-to-day work that everyone is involved in to make DWR a better place.

Additional Business/Comments: The Chair asked if any additional business or comments.

Mr. Wampler invited anyone who has not been to Southwest VA to see the Elk and hear an Elk Bugle call, that a trip would be well worth your time. Director Brown talked about the \$2.75 million dollars DWR just received for a Recreational Access Easement in Southwest VA, near the Cumberland Forest along with the Nature Conservancy and Rocky Mountain Elk Foundation. This 44,000 acres is the largest Easement received by anyone with direct access to Wildlife in VA. The Department is very excited and fortunate to have received this Easement.

Next Meeting Date: The Chair announced that the next meeting date will be Thursday, October 24, 2024

Closed Session: The Chair announced the Board would go into Close Session at 11:30 am. Mr. Wampler read the Close Session Motion; it was seconded by Mr. Terwilliger.
Ayes: Woodall, Edmunds, Cooper, Vincent, Walters, Parker, Wampler, Broaddus, Terwilliger, Formica

Closed Meeting Motion, August 22, 2024

Mr. Chairman,

I move that the Board go into a closed meeting:

First, pursuant to Section 2.2-3711.A.3 of the Code of Virginia, for discussion or consideration of the acquisition of real property for a public purpose, or of the disposition of publicly held real property, where discussion in an open meeting would adversely affect the bargaining position or negotiating strategy of the public body, specifically regarding real estate located in Roanoke and Montgomery Counties.

And secondly, pursuant to Section 2.2-3711.A.1 of the Code of Virginia for discussion or consideration of employment, assignment, appointment, promotion, performance, demotion, salaries, disciplining, or resignation of

specific public officers, appointees, or employees of the Department of Wildlife Resources, specifically regarding the performance of the Director.

This closed meeting will be attended only by members of the Board. However, pursuant to Section 2.2-3712(F), the Board requests the Department Director and the Real Property Manager to also attend this meeting, as it believes their presence will reasonably aid the Board in its consideration of topics that are the subject of the meeting.

The Board reconvened from Closed Session at 1:00 pm

The Chair called on Mr. Broaddus to read the Certification of Closed Meeting. It was seconded by Mr. Terwilliger.

Certification of Closed Meeting

August 22, 2024

WHEREAS, the Board of Wildlife Resources conducted a closed meeting on this date pursuant to an affirmative recorded vote and in accordance with the provisions of the Virginia Freedom Information Act; and

WHEREAS, Section 2.2-3712.D of the Code requires a certification by this Board that such closed meeting was conducted in conformity with Virginia law;

NOW, THEREFORE, BE IT RESOLVED that the Board of Wildlife Resources hereby certifies that, to the best of each member's knowledge, only public business matters lawfully exempted from open meeting requirements by Virginia law were discussed in the closed meeting to which this certification resolution applies, and only such public business

matters as were identified in the motion convening the closed meeting were heard, discussed or considered by the Board.

The Board Secretary took a Roll call vote: Ayes: Woodall, Edmunds, Coopers, Vincent, Walters, Wampler, Broaddus, Parker, Terwilliger, Formica

Acquire property in Roanoke and Montgomery Counties for the expansion of Havens WMA

Ms. Walters made a motion, Mr. Chair, I move that the Board of the Virginia Department of Wildlife Resources authorize the Director to acquire +1,800 acres in the Counties of Roanoke, VA and Montgomery, VA including the procurement of certain due diligence items.

It was seconded by Mr. Woodall.

The Chair asked if anyone had any further comments, hearing none, he adjourned the Board meeting at 1:15pm

Respectfully submitted,
/s/ Frances Boswell

Department of Wildlife Resources Non-Regulatory Proposals Regarding Deer and Bear Hunting with Dogs

Summary of Accomplishments for Board Proposals 1 – 5

October 16, 2024

Introduction and Background

On March 20, 2024, the Board of Wildlife Resources convened to review the final report of the Hound-Hunters & Private Landowners Stakeholder Advisory Committee and implement any appropriate actions related to the committee's findings. During this meeting, the Board advanced and approved five non-regulatory proposals to assist in reducing conflicts between landowners and hunters who use dogs for deer and bear hunting. These five proposals outlined a variety of tasks, many to be completed within specified timeframes, that addressed law enforcement staffing and training as well as enhancements to the Department's outreach and educational efforts to hunters, landowners, and communities where deer and bear hunting with dogs is prevalent.

Since the March 20th meeting, Department staff have successfully completed the expected deliverables contained within these five proposals and continue to work toward completion of those tasks for which the specified deadline has not yet arrived. The list below provides details regarding the manner in which specific tasks have been accomplished as well as an update on those tasks to be completed by a specified future deadline.

Accomplishments and Updates

1. Board Proposal #1: Funding for Conservation Police Officers

- a. Identify and pursue additional funding sources to fully staff and seek to increase the authorized number of Conservation Police Officers (CPOs).*
 - i. DWR is actively pursuing increases to its House Bill 38 transfer dollars, in part intended to enable funding increases for its Law Enforcement Division for assistance with hunter/landowner conflicts.

2. Board Proposal #2: Enhance CPO Training and Enforcement Strategies

- a. Enhance directives, procedures, strategies, and training focused on deer and bear hunting with dogs.*
 - i. On September 30 and October 8, 2024, the Law Enforcement Division provided training to all sworn staff members of the Law Enforcement Division, and several members of the Wildlife Division, on the new Hunting with Hounds Law Enforcement curriculum. This four-and-a-half-hour block of training focused on the following topics: History of Hunting with Hounds in the Commonwealth of Virginia, Hound Hunting Best Practices, Potential Indicators of Unlawful Activity, Code of Virginia and

Agency Regulations, Hunting Dog Tracking Technology, Hurdles to Enforcement, Investigative Techniques and Investigating Hunting Dogs Caught in Traps. This training will also be provided to new CPOs in future academies.

- b. *Implement proven strategies to focus on areas of above-average complaints.*
 - i. With the use of computer aided dispatch, the Law Enforcement Division continues to keep records of all calls-for-service, to include those that involve hunting with hounds. These calls are also mapped by GIS staff to provide law enforcement officers with visual representations, in the form of maps, that highlight areas of the highest concentration of complaints.
- c. *Provide written update on all activities associated with this proposal and hunting with dog-related complaint data to the Board's Law Enforcement Committee prior to each meeting.*
 - i. Written updates have been provided to the Committee members prior to each meeting since May 2024.

3. Board Proposal #3: Prioritize Enforcement of Prohibitions Against Hunting Out-of-Season

- a. *Review current strategies to address complaints regarding the misuse of open seasons.*
 - i. Conservation Police Officers from across the Commonwealth have been conducting targeted enforcement efforts in an attempt to identify and address the violation of chasing deer and bear during the closed seasons.
 - ii. Since February, CPOs have investigated numerous complaints and in five separate instances they were able to determine that hunters were chasing deer during the closed season and the appropriate charges were placed.
- b. *Develop and implement enhanced strategies to provide greater enforcement.*
 - i. The Law Enforcement Division is planning on conducting directed enforcement efforts in the counties east of the Blue Ridge Mountains during the general firearms deer season. These efforts will focus on areas that have been identified by staff, as well as complainants, as areas where an above average number of calls-for-service are received and violations occur.
- c. *Deliver training, directives, and standard operating procedures to identify and address potential violations.*
 - i. Initial work completed as part of enhanced CPO training, noted in Strategy #2 above.
- d. *Draft report for the Board's Wildlife and Boat and Law Enforcement committees on creating a deer hound training season or modifying the bear hound training season to better train hounds and ensure game are pursued during designated seasons (by December 31, 2024).*
 - i. Wildlife Division staff have met to review the assigned task and discuss information necessary for this report. Staffs are on track to complete this report by the December 31, 2024 deadline.

4. Board Proposal #4: Enhance Outreach to Communities, Hunters and Landowners

- a. *Evaluate existing outreach efforts on deer and bear hunting with dogs and report to Board's Education, Planning and Outreach Committee (by August 1, 2024).*
 - i. The Outreach Division completed a review and evaluation of existing relevant DWR outreach efforts, along with information pertaining to outreach used by other states in which deer and bear hunting with dogs occurs. A report was provided to the Board's Education, Planning, and Outreach Committee on August 21, 2024.
- b. *Assess potential of public awareness efforts to aid in reducing and resolving conflicts and report to Board's Education, Planning and Outreach Committee (August 1, 2024).*
 - i. The Outreach Division finalized an evaluation of the development and delivery of public awareness efforts, including locally held public forums in areas where complaints are above average, that provide information about deer and bear hunting with dogs, including ethics, best practices and applicable laws and regulations. A report was provided to the Board's Education, Planning, and Outreach Committee on August 21, 2024.
- c. *Deliver outreach materials on deer and bear hunting with dogs to localities and local law enforcement by August 1 each year; encourage sharing of these materials with community.*
 - i. Multiple divisions worked together to develop educational information about deer and bear hunting with dogs, including ethics, best practices, and applicable laws and regulations, which are available annually to localities and local law enforcement agencies where deer and bear hunting with dogs occurs. DWR encourages sharing of this information through relevant communication channels.
- d. *Evaluate potential staff liaison position (by August 1, 2024) and ombudsman program (by March 31, 2025) and report to Board's Education, Planning and Outreach Committee.*
 - i. A position description for the staff liaison position has been developed and was presented to the Education, Planning, and Outreach Committee on August 21, 2024. Staff have a goal of opening recruitment for that position by the end of 2024.
 - ii. The review of a potential ombudsman program will be completed by the March 31, 2025 deadline.

5. Board Proposal #5: Enhance Educational Efforts

- a. *Develop Best Management Practices document (by August 1, 2024).*
 - i. Multiple divisions collaborated to create Best Management Practices (BMPs) for both Hunters and Landowners. This information is available online at <https://dwr.virginia.gov/hunting-with-hounds/>.

- ii. The Outreach Division created printable pdf version of BMPs for the website and for Conservation Police Officers, biologists, and volunteers to use when speaking to groups.
- b. *Compile relevant laws pertaining to deer and bear hunting with dogs (by August 1, 2024).*
 - i. A compilation of relevant laws has been placed on the DWR website at: <https://dwr.virginia.gov/hunting-with-hounds/>
- c. *Review and evaluate existing Hunter Education efforts and report to Board's Education, Planning and Outreach Committee (by October 31, 2024).*
 - i. The Outreach Division reviewed and evaluated existing relevant DWR hunter educational efforts, content and materials. Hunter Education has amended the Hunting Ethics section of the Basic Hunter Education Course. Implementation of the promotion will include a mandatory training for all Hunter Education volunteer instructors.
 - ii. In person Hunter Education curriculum has been updated to include BMPs and ethics. Online content is in the process of being updated. Excerpts from the updated curriculum were provided in the August 21st, 2024 EPO Committee Meeting packet.
 - iii. All curriculum both on-line and in-person is being updated with BMPs and ethics for hunting with hounds.
- d. *Evaluate advanced training program for Hunter Education Instructors and report to Board's Education, Planning and Outreach Committee (by October 31, 2024).*
 - i. The Hunter Education program offered "Hunting with Hounds" and "Bear Hunting 101" including hunting bear with hounds, as optional classes for hunter education instructors at this year's Advanced Training.
 - ii. Hunter education instructors, as applicable, will be required to take advanced training classes that include best management practices, laws, and ethics related to hunting with dogs.

**DEPARTMENT OF WILDLIFE RESOURCES REGULATION PROPOSALS REGARDING
DEER AND BEAR HUNTING WITH DOGS**

Public Comment Period – Summary of Public Comments

August 2, 2024

(Updated October 15, 2024 – updates indicated in red text)

Introduction and Background

On March 20, 2024, the Board of Wildlife Resources convened to review the final report of the Hound-Hunters & Private Landowners Stakeholder Advisory Committee and implement any appropriate actions related to the committee’s findings. During this meeting, the Board proposed amendments to Virginia's hunting regulations. Among these proposals, regulation 4VAC15-40-310 would mandate GPS tracking for dogs involved in deer and bear hunting. Additionally, regulation 4VAC15-40-320 would require that deer or bear hunters using dogs take reasonable measures to prevent their dogs from entering a landowner’s property upon notification by either the landowner or a Conservation Police Officer that the dogs were not wanted on the landowner’s property.

A public comment period regarding these regulation proposals was conducted from May 22, 2024 – July 5, 2024. Individuals interested in providing feedback on these proposals were able to submit comments to the Department’s public comment website portal, via email to RegComments@dwr.virginia.gov, by mail to the DWR’s Henrico Office, or through the Virginia Regulatory Town Hall Public Comment Forum. While each of these comment pathways offered individuals the opportunity to share their feedback on the proposals, none of the pathways specifically asked individuals to indicate their support or opposition to the proposals. Interpretation of support or opposition to a proposal is based on the substance of the individual comment.

The Department received 3,471 comments during the public comment period (Table 1). Additional comments regarding the regulatory proposals were received following the close of the comment period. These comments are not included in this comment summary, **with the exception of those submitted by elected officials.**

Table 1. Number of comments received on the Department’s hound hunting regulation proposals (4VAC15-40-310 and 4VAC15-40-320) by comment method.

Proposal	DWR Comment Portal	Town Hall Portal	Email/Written Comments	Total Comments
4VAC15-40-310: GPS Tracking	828	303	78	1209
4VAC15-40-320: Reasonable Efforts	925	1220	117	2262
Comments by Method	1753	1523	195	3471

Public comments were reviewed and categorized as positive, negative, neutral, or unrelated. Staff subjectively assigned a category to each comment based on the following criteria:

- Positive comments – specifically indicated support for the proposal or the substance of the comments indicated support for the proposal
- Negative comments – specifically indicated opposition to the proposal or the substance of the comments indicate opposition to the proposal
- Neutral comments – comments didn't indicate support or opposition to the proposal and the substance of the comments were balanced between positive and negative aspects of the proposal or were equivocal in nature
- Unrelated comments – comments didn't address specific details of the proposals.

The total number of individuals submitting public comments is not known. The multiple, independent pathways for providing feedback on the proposals collected different types of identifying data from individual respondents, impeding direct comparison across the multiple pathways. Even within a specific comment pathway, the ability to specifically identify and determine the number of individuals providing comments within that pathway is also convoluted. For example, the Town Hall portal enabled an individual to submit comments anonymously, precluding identification of the number of unique individuals submitting comments.

Despite the above limitations on identifying the number of individuals commenting on the regulation proposals, some general insight into the number of comments submitted by unique individuals is possible. Within the DWR comment portal, the percentage of unique individuals providing comments was estimated through sorting submissions by the commenter's name, mailing address, phone number, and email address. Using these sorting criteria, 93.8% of comments related to 4VAC15-40-310 and 92.3% of comments related to 4VAC15-40-320 were associated with a unique combination of these variables. Within the Town Hall portal, the percentage of unique individuals providing comments was estimated through sorting the submissions by the commenter's name, IP address, and email address (if provided). Using these criteria, 95.7% of comments for 4VAC15-40-310 and 94.7% of comments on 4VAC15-40-320 were associated with a unique combination of these variables. While the sorting criteria for the DWR portal and Town Hall portal comments cannot provide the exact number of unique individuals commenting on the proposals, they do suggest that the vast majority of submissions within the individual comment pathways were submitted by unique individuals.

For both regulation proposals, Virginia residents submitted the overwhelming majority of comments for which an address was provided. All submissions received through the DWR comment portal contain an address. For DWR portal comments on 4VAC15-40-310, only 34 comments (4.1%) were received from an out-of-state address. Similarly, for 4VAC15-40-320, only 39 comments (4.2%) from the DWR portal indicated an out-of-state address. While the Town Hall comment portal enabled an individual to enter information on their state of residency, most individuals submitting comments through the Town Hall portal did not enter this information. For those who did enter a state of residency within the Town Hall portal, there were no out-of-state comments received on 4VAC15-40-310, while 20 comments (1.6%) on 4VAC15-40-320 reported residency out of Virginia. Finally, for email/written comments received by the Department, all comments for which an address was provided were from Virginia residents. However, most email/written comments (53.2% for 4VAC15-40-310; 59.3% for 4VAC15-40-320) did not provide an address to determine residency.

Comments from Elected Officials: Following closure of the public comment period, the Department received nine comments from elected officials, including members of the Virginia General Assembly, county Boards of Supervisors as a collective body, or individual representatives of county Boards of Supervisors. Each of these submissions expressed opposition to one or both of the regulatory proposals. None of the nine submissions voiced support for either of the hound hunting regulatory proposals.

Proposal #1 – 4VAC15-40-310: GPS Tracking

Total Number of Comments:	1,209
Supportive Comments:	306 (25.3%)
Opposing Comments:	737 (61.0%)
Neutral/Unrelated Comments:	166 (13.7%)

Primary reasons for support of 4VAC15-40-310 included:

- Supports private property rights and enables landowners greater enjoyment of their lands
- Many hound hunters already utilize this technology
- Increased accountability for hunters in managing their dogs
- Enhanced tracking capabilities to prevent dogs from entering private property
- Improved efficiency in dog recovery
- Promotion of safety and well-being for hunting dogs
- Increased clarity in resolving conflicts between hunters and landowners
- Reduced hunting dog-related property and livestock damage
- Reduced traffic issues involving hunting dogs
- Reduced potential for abandoned hunting dogs

Primary reasons for opposition to 4VAC15-40-310 included:

- Places a financial burden on hunters that will:
 - Discriminate against those who can't afford these systems
 - Decrease hunter recruitment and retention and negatively impact local economies
 - Result in increased deer and bear populations and damage issues
- Belief that GPS technology will not prevent hunting dogs from entering lands where they are not wanted
- Reliability concerns when GPS collars are used in certain geographic areas and over extended periods of time
- Overlap of available GPS frequencies may lead to confusion among hunters trying to track and retrieve dogs
- Concerns regarding the accessibility of tracking data to officials/landowners
- Regulation should include all hunting dogs, not just those used in bear and deer hunting
- Concerns that the use of GPS collars doesn't adhere to the principles of fair chase
- Concerns for the safety of hunting dogs

Recommendations from public comments to enhance 4VAC15-40-310:

- Require GPS tracking data to be retained for a certain period of time
- Expand regulation to include VHF radio telemetry systems
- Create a “Novice License” to allow beginning hound hunters to be exempt from the requirement to use GPS for a short time
- Only require GPS tracking devices for individuals/clubs for which there have been multiple, valid complaints
- Require additional measures to make dogs easier to identify (e.g., paint an identifying number on each dog similar to a field trial)
- Expand regulation to all hunting dogs (e.g., fox, coyote, raccoon, etc.)
- GPS tracking devices need to be registered with the Commonwealth
- Require corrective action collars and microchips on each hunting dog
- For repeat offenses, penalties should increase in severity

Additional comments associated with 4VAC15-40-310:

- DWR needs to establish a cost-share program to provide GPS collars if this regulation proposal is adopted
- This proposal should be addressed at the county level rather than by DWR
- Studies regarding efficacy of this approach should be completed before adopting this regulation

Proposal #2 – 4VAC15-40-320: Reasonable Efforts

Total Number of Comments:	2,262
Supportive Comments:	259 (11.5%)
Opposing Comments:	1,804 (79.8%)
Neutral/Unrelated Comments:	199 (8.8%)

Primary reasons for support of 4VAC15-40-320 included:

- Supports private property rights through:
 - Decreased occurrence of unwanted dogs on private lands
 - Increased landowner sense of safety and greater enjoyment of their lands
- Encourages cooperation and communication between hunters and landowners
- Reduces hunter-landowner conflict potential and hunting dog-related property and livestock damage
- Reduces disruption of non-dog hunting activities on private land

- Encourages actions by hunters to prevent dogs from entering private property where dogs are not wanted
- Reduced traffic issues involving hunting dogs

Primary reasons for opposition to 4VAC15-40-320 included:

- Proposal is not enforceable
- Proposal will not prevent hunting dogs from entering lands where they are not wanted
- Notification requirements will increase conflicts between hunters and landowners
- DWR Law Enforcement will not have the capacity to handle all of the notifications and to investigate complaints
- Places undue burden on landowners to notify hunters and determine whose unwanted dogs are on the property
- Places undue burden on hunters that will:
 - Decrease hunter recruitment and retention and negatively impact societal and economic benefits of hound hunting
 - Result in increased deer and bear populations and damage issues
- Regulation should include all hunting dogs, not just those used in bear and deer hunting
- Proposal is anti-hunting, unnecessary, and will criminalize individuals trying to do the right thing
- Use of GPS technology is all that should be needed to keep hunting dogs off property where they are not wanted
- Complaints leading to this proposal are limited and can be addressed through targeted enforcement of existing laws
- Hunters cannot control the nature of a hunting dog that will pursue game wherever the game travels
- Hunters are not able to or should not be able to determine what reasonable measures are implemented

Recommendations from public comments to enhance 4VAC15-40-320:

- Require a deer or bear hunter using dogs to make reasonable efforts to prevent his dogs from entering a landowner's property unless the landowner has explicitly granted access to the hunter. All other property should be considered prohibited for the purposes of this regulation.
- Clearly define what is meant by "reasonable efforts" and "notification of the landowner or their agent."
- DWR should create a web-based system to identify properties in Virginia where hunting dogs are not wanted.
- Allow posted signs to serve as notification
- Remove the "2 or more occasion in a 12-month period" requirement from subsection D

- Penalties need to increase in severity for multiple violations
- Enforcement should be directly tied to some form of damage or disturbance by the dog
- Regulation should require retrieval of hunting dogs from properties where they are not wanted within a specified time frame
- Limit the number of dogs that may be used by hound hunters
- All adjacent landowners should be notified within 24 hours of when hunting with dogs will occur on a property

Additional comments associated with 4VAC15-40-320:

- The DWR needs to review the recent Supreme Court ruling on the Chevron case to determine if it has authority to adopt this proposal
- General Assembly should be the governing body taking action on this issue
- This issue should be addressed through civil penalties rather than criminal penalties

BOARD PROPOSAL 6

4VAC15-40-310 (new)

Game: In General: Tracking collars for bear and deer hunting with dogs

Summary:

The Board would decline to adopt a potential new regulation requiring that a deer or bear hunter using dogs affix a functional GPS tracking device to each dog not under physical restraint and track that dog from its casting until its recovery.

Recommended language of proposed regulation:

~~[4VAC15-40-310 (new) Tracking collars for bear and deer hunting with dogs~~

~~A. Any dog not under physical restraint that is being used to hunt bear or deer shall have a fully functional Global Positioning System (GPS) tracking device affixed to it.~~

~~B. Tracking is required from the casting of the dog until recovery. Tracking may be suspended where signal is lost but shall resume when signal is reacquired.]~~

Recommendation for Final Action: It is recommended that this proposal not be adopted.

Discussion:

Public comment on this proposal was strongly opposed to its implementation. Primary reasons expressed for opposition are cited in the Summary of Public Comments for this proposal.

BOARD PROPOSAL 7

4VAC15-40-320 (new)

Game: In General: Reasonable efforts for deer and bear hunting with dogs.

Summary:

The Board would decline to adopt a potential new regulation requiring that a deer or bear hunter using dogs exercise reasonable efforts to prevent his or her dogs from entering a landowner's property after receiving notice from either the landowner or a Conservation Police Officer that the dogs are not desired there.

Recommended language of proposed regulation:

~~[4VAC15-40-320 (new) Reasonable efforts for deer and bear hunting with dogs:~~

~~A. A deer or bear hunter using dogs shall make reasonable efforts to prevent his dogs from entering a landowner's property after receiving notification that his hunting dogs are not desired on the landowner's property. The notification may be made by either (i) individual communication from the landowner or his agent; or (ii) a Conservation Police Officer, following receipt of a valid complaint that the hunter's dogs have been present on the landowner's property without permission.~~

~~B. The hunter shall determine the type and number of efforts to be implemented on a site-specific basis. The efforts selected, whether individually or in combination, shall be reasonably expected to be effective in preventing the hunter's dogs from entering the landowner's property. They may include considerations such as: (i) the number and breed of dogs cast; (ii) casting locations; (iii) timing of hunts; (iv) stander and handler locations and actions; (v) retrieval efforts; (vi) use of tracking or correction technology; (vii) if desired by the landowner, landowner notification; (viii) the development of a written plan for the hunt; or (ix) other considerations appropriate to the circumstances. Efforts shall be amended if initially unsuccessful.~~

~~C. The hunter may discontinue efforts undertaken to comply with subsection B if the landowner grants written permission for the hunter's dogs to be present on his property.~~

~~D. Notwithstanding the requirement that reasonable efforts be made at all times following notification, presence of the hunter's deer or bear dogs on the landowner's property without permission on two or more occasions within any 12 month period following receipt of the initial notification shall create a rebuttable presumption that reasonable efforts have not been undertaken.]~~

Recommendation for Final Action: It is recommended that this proposal not be adopted.

Discussion:

Public comment on this proposal was strongly opposed to its implementation. Primary reasons expressed for opposition are cited in the Summary of Public Comments for this proposal.

4VAC15-320-25. Creel and length limits.

SUMMARY: The recommendation is to (i) remove two regulations on black bass, (ii) modify regulations on coastal striped bass, (iii) modify and simplify regulations on esocids (pike, pickerel and muskellunge), (iv) clarify geographic extent of regulations on rock and Roanoke bass, and (v) remove bullheads from the table and default them to statewide non game regulations.

RECOMMENDED LANGUAGE OF AMENDMENT:

- 1
- 2
- 3
- 4
- 5

4VAC15-320-25. Creel and length limits.

The creel limits (including live possession) and the length limits for the various species of fish shall be as follows, unless otherwise excepted by posted rules at department-owned or department-controlled waters (see [4VAC15-320-100 D](#)).

Type of fish	Subtype or location	Creel and length limits	Geographic exceptions	Creel or length limits for exceptions
largemouth bass, smallmouth bass		5 per day in the aggregate (combined) No statewide length limits	Lakes	
			Briery Creek Lake	No largemouth or smallmouth bass 16 to 24 inches; only 1 largemouth or smallmouth bass per day in the aggregate longer than 24 inches
			Buggs Island (Kerr)	Only 2 of 5 largemouth or smallmouth bass in the aggregate less than 14 inches

			Claytor Lake	No smallmouth bass less than 14 inches
			Flannagan Reservoir	No smallmouth bass less than 15 inches No largemouth bass less than 12 inches
			Lake Gaston	Only 2 of 5 largemouth or smallmouth bass in the aggregate less than 14 inches
			Leesville Reservoir	Only 2 of 5 largemouth or smallmouth bass in the aggregate less than 14 inches
			Lake Moomaw	No largemouth or smallmouth bass less than 12 inches
			Philpott Reservoir	No largemouth or smallmouth bass less than 12 inches
			Quantico Marine Base waters	No largemouth or smallmouth bass 12 to 15 inches
			Smith Mountain Lake and its	Only 2 of 5 largemouth or smallmouth

			tributaries below Niagara Dam	bass in the aggregate less than 14 inches
			Rivers	
			Clinch River – within the boundaries of Scott, Wise, Russell, or Tazewell Counties	No largemouth or smallmouth bass less than 20 inches; only 1 largemouth or smallmouth bass in the aggregate per day longer than 20 inches
			Levisa Fork River – within the boundaries Buchanan County	No largemouth or smallmouth bass less than 20 inches; only 1 largemouth or smallmouth bass in the aggregate per day longer than 20 inches
			Dan River and tributaries downstream from the Union Street Dam, Danville	Only 2 of 5 largemouth or smallmouth bass less than 14 inches
			James River – Confluence of the Jackson and Cowpasture rivers (Botetourt County) downstream to	No largemouth or smallmouth bass 14 to 22 inches; only 1 largemouth or smallmouth bass in the aggregate per

			the 14th Street Bridge in Richmond	day longer than 22 inches
			New River – Fields Dam (Grayson County) downstream to the VA - WV state line and its tributaries Little River downstream from Little River Dam in Montgomery County, Big Walker Creek from the Norfolk Southern Railroad Bridge downstream to the New River, and Wolf Creek from the Narrows Dam downstream to the New River in Giles County (This does not include Claytor Lake, which is delineated as: The upper end of the island at Allisonia downstream to the dam)	No largemouth or smallmouth bass 14 to 22 inches; only 1 largemouth or smallmouth bass in the aggregate per day longer than 22 inches

			North Fork Holston River - Rt. 91 bridge upstream of Saltville, VA downstream to the VA - TN state line	No largemouth or smallmouth bass less than 20 inches; only 1 largemouth or smallmouth bass in the aggregate per day longer than 20 inches
			Potomac River - Virginia tidal tributaries above Rt. 301 bridge	No largemouth or smallmouth bass less than 15 inches from March 1 through June 15
			Roanoke (Staunton) River - and its tributaries below Difficult Creek, Charlotte County	Only 2 of 5 largemouth or smallmouth bass in the aggregate less than 14 inches
			Shenandoah River, South Fork Shenandoah River, North Fork Shenandoah River	No largemouth or smallmouth bass 11 to 14 inches
			Staunton River -	
			Leesville Dam (Campbell	No largemouth or smallmouth

			County) downstream to the mouth of Difficult Creek, Charlotte County	bass less than 20 inches; only 1 largemouth or smallmouth bass in the aggregate per day longer than 20 inches
Alabama bass, spotted bass		No statewide daily limit No statewide length limit		
striped bass	landlocked striped bass and landlocked striped bass - white bass hybrids	4 per day in the aggregate No fish less than 20 inches	Buggs Island (Kerr) Reservoir, including the Staunton (Roanoke) River and its tributaries to Leesville Dam and the Dan River and its tributaries to Union Street Dam (Danville)	October 1 - May 31: 2 per day in the aggregate; no striped bass or hybrid striped bass less than 20 inches or greater than 26 inches June 1 - September 30: 4 per day in the aggregate; no length limit
			Claytor Lake and its tributaries	September 16 - June 30: 2 per day in the aggregate; no striped bass or hybrid bass less than 20 inches July 1 - September 15: 4 per day in

				the aggregate; no length limit
			Smith Mountain Lake and its tributaries, including the Roanoke River upstream to Niagara Dam	2 per day in the aggregate November 1 - May 31: No striped bass 30 to 40 inches June 1 - October 31: No length limit
			Lake Gaston	4 per day in the aggregate October 1 - May 31: No striped bass or hybrid striped bass less than 20 inches June 1 - September 30: No length limit
	anadromous (coastal) striped bass above the fall line in all coastal rivers of the Chesapeake Bay, <u>and Crane Lake (City of Suffolk)</u>	Creel and length limits shall be set by the Virginia Marine Resources Commission for recreational fishing in tidal waters		
	anadromous (coastal) in the	2 per day No striped bass less than 18 inches		

	Meherrin, Nottoway, Blackwater (Chowan Drainage), North Landing and Northwest Rivers and their tributaries plus Back Bay	<u>No Possession</u>		
			Buggs Island (Kerr) Reservoir, including the Staunton (Roanoke) River and its tributaries to Leesville Dam and the Dan River and its tributaries to Union Street Dam (Danville)	10 per day; no white bass less than 14 inches
white bass		5 per day No statewide length limits	Lake Gaston	10 per day; no white bass less than 14 inches
walleye, saugeye		5 per day in the aggregate No walleye or saugeye less than 18 inches	Claytor Lake and the New River upstream of Claytor Lake Dam to Fries Dam in Grayson County	2 walleye per day; no walleye 19 to 28 inches

sauger		2 per day No statewide length limits		
yellow perch		No statewide daily limit No statewide length limits	Lake Moomaw	10 per day
			Below the fall line in all coastal rivers of the Chesapeake Bay	No yellow perch less than 9 inches; no daily limit
chain pickerel <u>and</u> <u>northern pike</u>		5 per day No statewide length limits	Gaston and Buggs Island (Kerr) Reservoirs	No daily limit
<u>northern pike</u>		<u>2 per day</u> <u>No pike less than 20 inches</u>		
muskellunge		<u>2 1</u> per day No muskellunge less than <u>40</u> inches	<u>New River—Fields Dam (Grayson County) downstream to Claytor Dam, including Claytor Lake</u>	<u>1 per day; no muskellunge less than 42 inches</u>
			New River - Claytor Dam downstream to the VA - WV state line	1 per day June 1 - last day of February: No muskellunge 40 to 48 inches March 1 - May 31: No muskellunge less than 48 inches

<p>bluegill (bream) and other sunfish excluding crappie, rock bass (redestye) and Roanoke bass</p>		<p>50 per day in the aggregate No statewide length limits</p>	<p>Gaston and Buggs Island (Kerr) Reservoirs, including the Staunton (Roanoke) River and its tributaries to Difficult Creek, Charlotte County and the Dan River and its tributaries to the Banister River, Halifax County and that portion of the New River from the VA - NC state line downstream to the confluence of the New and Little Rivers in Grayson County</p>	<p>No daily limit</p>
<p>crappie (black or white)</p>		<p>25 per day in the aggregate No statewide length limits</p>	<p>Lake Gaston and that portion of the New River from the VA - NC state line downstream to the confluence of the New and Little Rivers in Grayson County</p>	<p>No daily limit</p>

			Buggs Island (Kerr) Reservoir, including the Staunton (Roanoke) River and its tributaries to Difficult Creek, Charlotte County and the Dan River and its tributaries to the Banister River, Halifax County	No crappie less than 9 inches
			Briery Creek and Sandy River Reservoirs	No crappie less than 9 inches
			Flannagan and South Holston Reservoirs	No crappie less than 10 inches
rock bass (redeye)		25 per day; in the aggregate with Roanoke bass No statewide length limits	Gaston and Buggs Island (Kerr) Reservoirs and that portion of the New River from the VA - NC state line downstream to the confluence of the New and Little Rivers in Grayson County	No daily limit

			Nottoway, Meherrin, Blackwater (Franklin County), Blackwater (Chowan Drainage) , Falling, and Smith Rivers and their tributaries	5 per day in the aggregate with Roanoke bass; no rock bass less than 8 inches
Roanoke bass		25 per day in the aggregate with rock bass No statewide length limits	Nottoway, Meherrin, Blackwater (Franklin County), Blackwater (Chowan Drainage) , Falling, and Smith Rivers and their tributaries	5 per day in the aggregate with rock bass; no Roanoke bass less than 8 inches
trout	See 4VAC15-330 . Fish: Trout Fishing.			
catfish	channel, white, and flathead catfish	20 per day; No length limits	All rivers below the fall line	No daily limit
	blue catfish	20 per day; No statewide length limits	Lake Gaston	No daily limit, except only 1 blue catfish per day longer than 32 inches
			Kerr Reservoir, including the	20 per day, except only 1

			<p>Staunton (Roanoke) River and its tributaries to Difficult Creek, Charlotte County and the Dan River and its tributaries to the Banister River, Halifax County</p>	<p>blue catfish per day longer than 32 inches</p>
			<p>James River and its tributaries below the fall line, Rappahannock River and its tributaries below the fall line, and York River and its tributaries (including the Pamunkey River and Mattaponi River) below the fall line</p>	<p>No daily limit, except only 1 blue catfish per day longer than 32 inches</p>
			<p>All rivers below the fall line other than the James River and its tributaries, Rappahannock River and its tributaries, and</p>	<p>No daily limit</p>

			the York River and its tributaries	
	yellow, brown, and black bullheads	No daily limit; No length limits		
hickory shad	Above and below the fall line in all coastal rivers of the Chesapeake Bay	Creel and length limits shall be the same as those set by the Virginia Marine Resources Commission in tidal rivers		
	Meherrin River below Emporia Dam Nottoway River, Blackwater River (Chowan Drainage), North Landing and Northwest Rivers, and their tributaries plus Back Bay	10 per day No length limits		
American shad		No possession		
anadromous (coastal) alewife and blueback herring	Above and below the fall line in all coastal	Creel and length limits shall be the same as those set by the Virginia		

	rivers of the Chesapeake Bay	Marine Resources Commission for these species in tidal rivers		
	Meherrin River, Nottoway River, Blackwater River (Chowan Drainage), North Landing and Northwest Rivers, and their tributaries plus Back Bay	No possession		
red drum	Back Bay and tributaries including Lake Tecumseh and the North Landing River and its tributaries	1 per day No drum less than 18 inches or greater than 27 inches		
spotted sea trout (speckled trout)	Back Bay and tributaries including Lake Tecumseh and the	4 per day No sea trout less than 14 inches		

	North Landing River and its tributaries			
grey trout (weakfish)	Back Bay and tributaries including Lake Tecumseh and North Landing River and its tributaries	1 per day No grey trout less than 12 inches		
southern flounder	Back Bay and tributaries including Lake Tecumseh and the North Landing River and its tributaries	6 per day No flounder less than 15 inches		
northern snakehead		Anglers may possess snakeheads taken from Virginia waters if they immediately kill the fish and notify the headquarters or a regional office of the department; notification may be made by		

		telephoning (804) 367-2925 No statewide daily limit No statewide length limits		
longnose gar		July 1 to April 14: 5 per day April 15 to June 30: 1 per day No statewide length limits		
bowfin		July 1 to April 14: 5 per day April 15 to June 30: 1 per day No statewide length limits		
American eel		25 per day No eel less than 9 inches	Back Bay and North Landing River	No possession limit for those individuals possessing a permit obtained under 4VAC15-340-80
other native or naturalized nongame fish	See 4VAC15-360-10 . Fish: Aquatic Invertebrates, Amphibians, Reptiles, and Nongame Fish. Taking aquatic invertebrates, amphibians, reptiles, and nongame fish for private use.			
endangered or threatened fish	See 4VAC15-20-130 . Definitions and Miscellaneous: In General. Endangered and threatened species; adoption of federal list; additional species enumerated.			

nonnative (exotic) fish	See 4VAC15-30-40 . Definitions and Miscellaneous: Importation, Possession, Sale, Etc., of Animals. Importation requirements, possession and sale of nonnative (exotic) animals.	
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6 **Statutory Authority**

7 §§ [29.1-501](#) and [29.1-502](#) of the Code of Virginia.

RATIONALE: 4VAC15-320-25 is the creel (how many you can keep) and length limit table. This table applies to all fishes defined as gamefish under 29.1-100 as well as selected non game species. This table is complex and is changed when biological data indicates that regulatory changes are likely to foster specific objectives in a fishery. In recent years, DWR has made a concerted effort to simplify this table.

The first regulatory changes proposed are the removal of two regulations on largemouth and smallmouth bass. The first is the removal of the 12” minimum length on Philpott, and the second is the removal of the 12-15” protected slot limit on Quantico Marine Base waters. Based on size and age information from these fisheries, these regulations are no longer required – these water bodies default to the statewide 5/day with no minimum length limit.

The second changes proposed are two modifications to the coastal striped bass regulations. The first is the inclusion of Crane Lake in Suffolk, which has a connection to the Chesapeake Bay and which may host migratory striped bass. These migratory striped bass fall to the jurisdiction of the Marine Resource Commission. The second is the change in regulation in waters of Meherrin, Nottoway, Blackwater, North Landing, Northwest and Back Bay to no possession. This puts the regulation in line with North Carolina – these are shared waters and the striped bass in these waters enter through North Carolina.

The third changes are to chain pickerel, northern pike, and muskellunge. We are proposing eliminating the specific regulations on northern pike and grouping them into chain pickerel. Northern pike fisheries are limited in Virginia and sustained through sporadic stocking. Additionally, northern pike and chain pickerel are very similar in appearance and difficult to tell apart by many anglers. We are proposing modifications to muskellunge – defaulting most waters

to 1 per day and a 40” minimum size, which is in line with the characteristics of that fishery, which focuses on catch and release of large individuals. We are proposing eliminating the specific regulation on muskellunge in the upper New River, as the new statewide regulation would be very similar to the previous regulations

The fourth changes are to rock bass and Roanoke bass. These changes add the Blackwater (Chowan Drainage) to the geographic exceptions, which was an oversight when the regulations were originally proposed and adopted.

The fifth change is to remove bullheads from the table. This is primarily a simplification - removal from this table as well as from 4VAC15-360-10 defaults bullheads to the statewide 20 fish limit on all fishes not defined elsewhere.

COMMENTS: We received 12 comments on this section. Seven of those comments focused on black bass, identifying concerns about removing limits and several suggesting alternative regulations. Three comments focused on striped bass, saying that they will encourage poaching and questioning the impacts of striped bass on the riverine ecosystem. One supported the muskellunge/northern pike/chain pickerel regulations but suggested we retain the current regulations on the New. Two comments supported the bullhead changes.

4VAC15-330-150. Special provision applicable to trout fishing using artificial lures with single hook.

SUMMARY: The recommendation is to (i) add Russell and Washing Counties to 4VAC15-330-150 part 14.

RECOMMENDED LANGUAGE OF AMENDMENT:

- 1
2 **4VAC15-330-150. Special provision applicable to trout fishing using artificial lures with**
3 **single hook.**
4 It shall be lawful year-round to fish for trout using only artificial lures with single hooks within:
- 5 1. The Stewarts Creek Trout Management Area in Carroll County.
 - 6 2. The Rapidan and Staunton Rivers and their tributaries upstream from a sign at the Lower
7 Shenandoah National Park boundary in Madison County.
 - 8 3. The Dan River and its tributaries between the Townes Dam and the Pinnacles Hydroelectric Project
9 powerhouse in Patrick County.
 - 10 4. The East Fork of Chestnut Creek (Farmers Creek) and its tributaries upstream from the Blue Ridge
11 Parkway in Grayson and Carroll Counties.
 - 12 5. Roaring Fork and its tributaries upstream from the southwest boundary of Beartown Wilderness
13 Area in Tazewell County.
 - 14 6. That section of the South Fork Holston River and its tributaries from the concrete dam at Buller Fish
15 Culture Station downstream to the lower boundary of the Buller Fish Culture Station in Smyth County.
 - 16 7. North Creek and its tributaries upstream from a sign at the George Washington National Forest
17 North Creek Campground in Botetourt County.
 - 18 8. Spring Run from it confluence with Cowpasture River upstream to a posted sign at the discharge for
19 Coursey Springs Hatchery in Bath County.
 - 20 9. Venrick Run and its tributaries within the Big Survey Wildlife Management Area and Town of
21 Wytheville property in Wythe County.
 - 22 10. Brumley Creek and its tributaries from the Hidden Valley Wildlife Management Area boundary
23 upstream to the Hidden Valley Lake Dam in Washington County.
 - 24 11. Stony Creek (Mountain Fork) and its tributaries within the Jefferson National Forest in Wise and
25 Scott Counties from the outlet of High Knob Lake downstream to the confluence of Chimney Rock
26 Fork and Stony Creek.
 - 27 12. Little Stony Creek and its tributaries within the Jefferson National Forest in Scott County from the
28 Falls of Little Stony Creek downstream to a posted sign at the Hanging Rock Recreation Area.
 - 29 13. Little Tumbling Creek and its tributaries within the Clinch Mountain Wildlife Management Area in
30 Smyth and Tazewell Counties downstream to the concrete bridge.
 - 31 14. Big Tumbling Creek and its tributaries within the Clinch Mountain Wildlife Management Area in
32 Russell, Smyth, and Washington Counties from a sign starting at the foot of the mountain and
33 extending upstream seasonally from October 1 until five days prior to the first Saturday in April.

- 34 15. South River in the City of Waynesboro from the Wayne Avenue Bridge downstream 2.2 miles to
35 the Second Street Bridge.
- 36 16. Wolf Creek and its tributaries within the Abingdon Muster Grounds in the Town of Abingdon from
37 Colonial Road downstream to Stone Mill Road.
- 38 17. Beaver Creek and its tributaries within the boundaries of Sugar Hollow Park in the City of Bristol.
- 39 18. Green Cove Creek in Washington County from Route 859 downstream to its mouth.
- 40 19. Whitetop Laurel Creek in Washington County upstream from the mouth of Straight Branch to a
41 sign posted at the Forest Service boundary just downstream of Taylor Valley, and in Whitetop Laurel
42 Creek in Washington County upstream from the first railroad trestle above Taylor Valley to the mouth
43 of Green Cove Creek at Creek Junction.
- 44 20. Smith Creek in Alleghany County from the Clifton Forge Dam downstream to a sign at the Forest
45 Service boundary above the C & O Dam.
- 46 21. Snake Creek in Carroll County below Hall Ford and that portion of Little Snake Creek below the
47 junction of Routes 922 and 674, downstream to Route 58.
- 48 22. The North Fork Moormans River and its tributaries from the head of Sugar Hollow Reservoir
49 upstream 0.3 miles to the Shenandoah National Park boundary.

50 All trout caught in these waters must be immediately returned to the water. No trout or bait may be in
51 possession at any time in these areas.

52 **Statutory Authority**

53 §§ [29.1-103](#), [29.1-501](#), and [29.1-502](#) of the Code of Virginia.

RATIONALE: This change is to reflect the fact that Big Tumbling Creek and its tributaries in the Wildlife Management Area go into Russell and Washington Counties as well as Smyth.

COMMENTS: We received three comments on this regulatory change. They focused on concerns about the negative impacts and how this change may result in people not fishing or in a shift to total catch and release in the future

4VAC15-330-160. Special provisions applicable to certain portions of Accotink Creek, Back Creek, Big Moccasin Creek, Chestnut Creek, Hardy Creek, Holliday Creek, Holmes Run, Indian Creek, North River, Passage Creek, Pedlar River, Piney River, North Fork of Pound and Pound rivers, Middle Fork of Powell River, and Roanoke River.

SUMMARY: The recommendation is to (i) modify the extent of 4VAC15-330-160 as it applies to Chestnut Creek in Carroll County.

RECOMMENDED LANGUAGE OF AMENDMENT:

1
2 **4VAC15-330-160. Special provisions applicable to certain portions of Accotink Creek, Back**
3 **Creek, Big Moccasin Creek, Chestnut Creek, Hardy Creek, Holliday Creek, Holmes Run,**
4 **Indian Creek, North River, Passage Creek, Pedlar River, Piney River, North Fork of**
5 **Pound and Pound rivers, Middle Fork of Powell River, and Roanoke River.**

6 It shall be lawful to fish from October 1 through May 31, both dates inclusive, using only artificial lures
7 in Accotink Creek (Fairfax County) from King Arthur Road downstream 3.1 miles to Route 620
8 (Braddock Road), in Back Creek (Bath County) from the Route 600 bridge just below the Virginia Power
9 Back Creek Dam downstream 1.5 miles to the Route 600 bridge at the lower boundary of the Virginia
10 Power Recreational Area, in Big Moccasin Creek (Scott County) from the Virginia Department of
11 Transportation foot bridge downstream approximately 1.9 miles to the Wadlow Gap Bridge, in Chestnut
12 Creek (Carroll County) from the U.S. Route 58 bridge downstream ~~11.4 miles to the confluence with~~
13 ~~New River~~ approximately 4.2 miles to the downstream boundary of the New River Trail State Park
14 Cliffview Campground, in Hardy Creek (Lee County) from the Virginia Department of Transportation
15 swinging bridge just upstream of the Route 658 ford downstream to the Route 661 bridge, in Holliday
16 Creek (Appomattox/Buckingham Counties) from the Route 640 crossing downstream 2.8 miles to a sign
17 posted at the headwaters of Holliday Lake, in Holmes Run (Fairfax County) from the Lake Barcroft Dam
18 downstream 1.2 miles to a sign posted at the Alexandria City line, in Indian Creek within the boundaries
19 of Wilderness Road State Park (Lee County), in the North River (Augusta County) from the base of
20 Elkhorn Dam downstream 1.5 miles to a sign posted at the head of Staunton City Reservoir, in Passage
21 Creek (Warren County) from the lower boundary of the Front Royal State Hatchery upstream 0.9 miles to
22 the Shenandoah/Warren County line, in the Pedlar River (Amherst County) from the City of
23 Lynchburg/George Washington National Forest boundary line (below Lynchburg Reservoir) downstream
24 2.7 miles to the boundary line of the George Washington National Forest, in the Piney River (Nelson
25 County) in that portion of stream from the Piney River Trailhead (Route 151) to the Rose Mill Trailhead
26 (Route 674) adjacent to the Blue Ridge Railway Trail, in North Fork of Pound and Pound rivers from the
27 base of North Fork of Pound Dam downstream to the confluence with Indian Creek, in the Middle Fork of
28 Powell River (Wise County) from the old train trestle at the downstream boundary of Appalachia
29 extending approximately 1.9 miles downstream to the trestle just upstream of the Town of Big Stone Gap,
30 in the Roanoke River (Roanoke County) from the Route 760 bridge (Diuguids Lane) upstream 1.0 miles
31 to a sign posted at the upper end of Green Hill Park (Roanoke County), and in the Roanoke River (City of
32 Salem) from the Route 419 bridge upstream 2.2 miles to the Colorado Street bridge. From October 1
33 through May 31, all trout caught in these waters must be immediately returned to the water unharmed,
34 and it shall be unlawful for any person to have in possession any bait or trout. During the period of June 1
35 through September 30, the above restrictions will not apply.

36 **Statutory Authority**

37 §§ [29.1-103](#), [29.1-501](#), and [29.1-502](#) of the Code of Virginia.

RATIONALE: This change will allow stocking efforts and law enforcement to better target specific areas of Chestnut Creek (Carroll County). Existing areas are difficult to access because of local geography.

COMMENTS: We received two comments on this regulation, with one requesting clarification on the extent of the change.

4VAC15-360-10. Taking aquatic invertebrates, amphibians, reptiles, and nongame fish for private use.

SUMMARY: The recommendation is to strike language relating to bullhead catfish in 4VAC15-60-10.

2 **4VAC15-360-10. Taking aquatic invertebrates, amphibians, reptiles, and nongame fish for**
3 **private use.**

4 A. Possession limits. Except as otherwise provided for in § 29.1-418 of the Code of Virginia,
5 4VAC15-20-130, 4VAC15-320-40, and the sections of this chapter, it shall be lawful to capture
6 and possess live for private use and not for sale or export no more than one individual of any
7 native or naturalized, as defined in 4VAC15-20-50, species of amphibian or reptile per physical
8 address, and 20 individuals of any single native or naturalized (as defined in 4VAC15-20-50)
9 species of aquatic invertebrate and nongame fish unless specifically listed in this subsection:

- 10 1. The following species may be taken in unlimited numbers from inland waters statewide:
11 carp, mullet, ~~yellow bullhead, brown bullhead, black bullhead, flat bullhead, snail~~
12 ~~bullhead~~, white sucker, northern hogsucker, gizzard shad, threadfin shad, blueback
13 herring (see 4VAC15-320-25 for anadromous blueback herring limits), white perch,
14 yellow perch, alewife (see 4VAC15-320-25 for anadromous alewife limits), stoneroller
15 (hornyhead), fathead minnow, golden shiner, goldfish, and Asian clams. Grass carp may
16 only be harvested in unlimited numbers from public inland rivers and streams of the
17 Commonwealth. It is unlawful to harvest grass carp from any public inland lake and
18 reservoir. Anglers taking grass carp must ensure that all harvested grass carp are dead.

RATIONALE: This compliments a change to 4VAC15-320-25 and is primarily a simplification
– these changes default bullheads to the statewide 20 fish limit on all fishes not defined
elsewhere.

COMMENTS: We received two comments on this regulation, with one requesting clarification
on the extent of the change.

VIRGINIA DEPARTMENT OF WILDLIFE RESOURCES
BOATING DIVISION BOATING REGULATION
Final Action October 2024



Virginia Administrative Code

4VAC15-380. Watercraft: Motorboat Numbering

Summary: The proposed amendments are needed to align our regulation regarding motorboat numbering with the Code of Federal Regulation (CFR). The amendments also put into regulation the current procedure the agency uses to identify rental boats.

Rationale: This change is necessary to avoid preemption of our regulations as the current regulation regarding motorboat numbering may be considered in conflict with the CFR. Rental boat companies are required to provide renters with required equipment as outlined in § 29.1-736. and may utilize the dockside checklist in lieu of the operator taking a boating safety course.

4VAC15-380-30. Numbering pattern. (AMEND)

The motorboat number assigned shall consist of the symbol "VA" identifying the Commonwealth followed by not more than four arabic numerals and two capital letters, in sequence, separated by a hyphen or ~~equivalent letter~~ space *that is greater than "l" or "1" and is* in accordance with the serial numerically and alphabetically; e.g., "VA 1234 BB" or "VA-1234-BB." Since the letters "I," "O" and "Q" may be mistaken for arabic numbers, all letter sequences using "I," "O" and "Q" shall be omitted.

Any vessel used as a rental, livery, or leased as specified in the Application for Watercraft Certificate of Title and Certificate of Number (Registration), shall be registered with the suffix: RB, BR, LB or a suffix designated by the Department. Only owners of vessels specified with the primary operation as rent, lease, or livery on the Application for Watercraft Certificate of Title and Certificate of Number (Registration) are considered by the Department to be rental or leased boat companies. Only vessels specified with the primary operation as rent, lease, or livery are considered rental, leased, or livery motorboats.

Statutory Authority

§§ 29.1-501, 29.1-502, 29.1-701, and 29.1-735 of the Code of Virginia and Item 392 of the 2002 Appropriation Act.

Historical Notes

Derived from VR325-04-2 § 3, eff. October 1, 1985; amended, Virginia Register Volume 10, Issue 26, eff. January 1, 1995; Volume 19, Issue 5, eff. January 1, 2003.

4VAC15-380-40. Display of numbers. (AMEND)

The numbers assigned for a motorboat shall be painted on or attached to each side of the forward half of the vessel to which issued in such a position as to provide clear legibility for identification; provided, that on vessels so configured that a number on the hull or superstructure would not be easily visible or the numbers would not remain securely attached, the number must be painted on or attached to a backing plate that is attached to the forward half of the vessel so that the number is visible from each side of the vessel. The numbers shall read from left to right and shall be in block characters of good proportion ~~not less than~~ *and* three inches in height. The numbers shall be a color which will contrast with the color of the background and so maintained as to be clearly visible and legible; i.e., dark numbers on a light background or light numbers on a dark background.

Statutory Authority

§§ 29.1-501, 29.1-502, 29.1-701, and 29.1-735 of the Code of Virginia and Item 392 of the 2002 Appropriation Act.

Historical Notes

Derived from VR325-04-2 § 4, eff. October 1, 1985; amended, Virginia Register Volume 10, Issue 26, eff. January 1, 1995; Volume 19, Issue 5, eff. January 1, 2003.

4VAC15-390. Watercraft: Safe and Reasonable Operation of Vessels
Chapter 420. Watercraft: Navigation Lights and Shapes

Summary: The proposed amendments are needed to provide correct citation of the Inland Navigation Rules found in 33 CFR, Chapter 1, Subchapter E, Part 83 through 88 as established by the U.S. Coast Guard which is where our Virginia Administrative Code requirements are derived from.

Rationale: This change is necessary to avoid preemption of our regulations as the current regulation may be considered in conflict with the CFR.

4VAC15-390. Watercraft: Safe and Reasonable Operation of Vessels

4VAC15-390-10. Applicability. (AMEND)

The following sections in this chapter apply to the operation of "vessels" as defined in § [29.1-700](#) of the Code of Virginia on all waters within the Commonwealth. Vessels complying with the Inland Navigation Rules, 33 CFR Parts 83, 84, ~~and 86~~, **87, and 88** as established by the U.S. Coast Guard are considered to be in compliance with the requirements of this chapter.

Statutory Authority

§§ 29.1-701 and 29.1-735 of the Code of Virginia.

Historical Notes

Derived from VR325-04-3 § 1, eff. July 1, 1973; amended, Virginia Register Volume 19, Issue 5, eff. January 1, 2003; Volume 39, Issue 24, eff. July 17, 2023.

VAC15-390-85. Operators to give right-of-way and reduce speed. (AMEND)

Every motorboat, when approaching or passing within 200 feet of any law-enforcement vessel or emergency services vessel that is displaying flashing blue, red, or public safety lights *as defined in 33 CFR Part 88* shall slow to no wake speed so that the effect of the wake does not disturb the activities of law-enforcement personnel or emergency services personnel. Where the operator of a motorboat fails to comply with the provisions of this section and such failure endangers the life or limb of any person or endangers or damages vessels, the operator shall be guilty of a Class 3 misdemeanor. Upon conviction, the operator shall additionally be required to complete and pass a National Association of State Boating Law Administrators approved safe boating course as required in § [29.1-746](#) of the Code of Virginia.

Statutory Authority

§§ 29.1-701 and 29.1-735 of the Code of Virginia.

Historical Notes

Derived from VR325-04-3 § 1, eff. July 1, 1973; amended, Virginia Register Volume 19, Issue 5, eff. January 1, 2003; Volume 39, Issue 24, eff. July 17, 2023.

4VAC15-420-10. Application. (AMEND)

The navigation lights requirements in this chapter shall be complied with in all weather and from sunset to sunrise on the public waters of the Commonwealth. During such times no other lights shall be exhibited, except such lights as cannot be mistaken for the lights specified in this chapter or do not impair their visibility or distinctive character, or interfere with the keeping of a proper lookout. The lights prescribed by this chapter shall, if carried, also be exhibited from sunrise to sunset in restricted visibility and may be exhibited in all other circumstances when it is deemed necessary. The lights specified in this chapter shall comply with the Navigation Rules found in 33 CFR Parts 83, 84, ~~and 86, 87,~~ *and 88* as established by the U.S. Coast Guard.

Statutory Authority

§§ 29.1-701 and 29.1-735 of the Code of Virginia.

Historical Notes

Derived from Virginia Register Volume 19, Issue 5, eff. January 1, 2003; amended, Virginia Register Volume 39, Issue 24, eff. July 17, 2023.

4VAC15-390. Watercraft: Safe and Reasonable Operation of Vessels

Summary: The proposed amendments amend the current language regarding operating the boat with passengers sitting on decks and gunwales.

Rationale: The current language is confusing to enforce and may be considered permissive to some judges as currently written. The proposed amendments will clarify the violation of operating a vessel while passengers are seated in certain areas.

4VAC15-390-140. Riding on decks and gunwales. (Amend)

It shall be unlawful for the operator of a motorboat to *operate a vessel while allow* any person ~~to ride or is riding or sitting~~ on the bow, gunwales, transom, or on the decking over the bow of the vessel while under power unless such motorboat is provided with adequate guards or railing to prevent passengers from falls overboard. Nothing in this section shall be construed to mean that passengers or other persons aboard a watercraft cannot occupy these areas of the vessel to moor or anchor the watercraft, to cast off, or for any other necessary purpose. Any person who violates any provision of this section shall be guilty of a Class 1 misdemeanor as provided by § 29.1-738.01 of the Code of Virginia.

Statutory Authority

§§ 29.1-501, 29.1-502, 29.1-701, and 29.1-735 of the Code of Virginia.

Historical Notes

Derived from Virginia Register Volume 19, Issue 5, eff. January 1, 2003.

**4VAC15-20-50. Definitions; "wild animal," "native animal," "naturalized animal,"
"nonnative (exotic) animal," and "domestic animal".**

SUMMARY:

The recommendation is to 1) update the “List of Native and Naturalized Fauna of Virginia” and associated reference date and 2) to add cornsnake morphs to the definition of “domestic animal”.

RECOMMENDED LANGUAGE OF AMENDMENT:

**4VAC15-20-50. Definitions; "wild animal," "native animal," "naturalized animal,"
"nonnative (exotic) animal," and "domestic animal".**

- 1 A. In accordance with § [29.1-100](#) of the Code of Virginia, the following terms shall have the
2 meanings ascribed to them by this section when used in regulations of the board:
3 "Native animal" means those species and subspecies of animals naturally occurring in Virginia,
4 as included in the department's ~~2022~~ [2024](#) "List of Native and Naturalized Fauna of Virginia,"
5 with copies available in the headquarters and regional offices of the department.
- 6 "Naturalized animal" means those species and subspecies of animals not originally native to
7 Virginia that have established wild, self-sustaining populations, as included in the department's
8 ~~2022~~ [2024](#) "List of Native and Naturalized Fauna of Virginia," with copies available in the
9 headquarters and regional offices of the department.
- 10 "Nonnative (exotic) animal" means those species and subspecies of animals not naturally
11 occurring in Virginia, excluding domestic and naturalized species.
- 12 The following animals are defined as domestic animals:
- 13 Domestic dog (*Canis familiaris*), including wolf hybrids.
- 14 Domestic cat (*Felis catus*), including hybrids with wild felines.
- 15 Domestic horse (*Equus caballus*), including hybrids with *Equus asinus*.
- 16 Domestic ass, burro, and donkey (*Equus asinus*).
- 17 Domestic cattle (*Bos taurus* and *Bos indicus*).
- 18 Domestic sheep (*Ovis aries*) including hybrids with wild sheep.
- 19 Domestic goat (*Capra hircus*).
- 20 Domestic swine (*Sus scrofa*), including pot-bellied pig and excluding any swine that are wild
21 or for which no claim of ownership can be made.
- 22 Llama (*Lama glama*).
- 23 Alpaca (*Lama pacos*).

- 24 Camels (*Camelus bactrianus* and *Camelus dromedarius*).
- 25 Domesticated races of hamsters (*Mesocricetus* spp.).
- 26 Domesticated races of mink (*Mustela vison*) where adults are heavier than 1.15 kilograms or
27 their coat color can be distinguished from wild mink.
- 28 Domesticated races of guinea pigs (*Cavia porcellus*).
- 29 Domesticated races of gerbils (*Meriones unguiculatus*).
- 30 Domesticated races of chinchillas (*Chinchilla laniger*).
- 31 Domesticated races of rats (*Rattus norvegicus* and *Rattus rattus*).
- 32 Domesticated races of mice (*Mus musculus*).
- 33 Domesticated breeds of European rabbit (*Oryctolagus cuniculus*) recognized by the American
34 Rabbit Breeders Association, Inc. and any lineage resulting from crossbreeding recognized
35 breeds. A list of recognized rabbit breeds is available on the department's website.
- 36 Domesticated races of chickens (*Gallus*).
- 37 Domesticated races of turkeys (*Meleagris gallopavo*).
- 38 Domesticated races of ducks and geese distinguishable morphologically from wild birds.
- 39 Feral pigeons (*Columba domestica* and *Columba livia*) and domesticated races of pigeons.
- 40 Domesticated races of guinea fowl (*Numida meleagris*).
- 41 Domesticated races of peafowl (*Pavo cristatus*).
- 42 Domesticated morphs of red cornsnake (*Pantherophis guttatus*) visibly distinguishable from
43 native red cornsnakes based on their unique colors and patterns.
- 44 "Wild animal" means any member of the animal kingdom, except domestic animals, including
45 without limitation any native, naturalized, or nonnative (exotic) mammal, fish, bird, amphibian,
46 reptile, mollusk, crustacean, arthropod, or other invertebrate, and includes any hybrid of them,
47 except as otherwise specified in regulations of the board, or part, product, egg, or offspring of
48 them, or the dead body or parts of them.
- 49 B. Exception for red foxes and European rabbits. Domesticated red foxes (*Vulpes vulpes*) having
50 coat colors distinguishable from wild red foxes and wild European rabbits possessed in captivity
51 on July 1, 2017, may be maintained in captivity until the animal dies, but the animal may not be
52 bred or sold without a permit from the department. Persons possessing domesticated red foxes or
53 European rabbits without a permit from the department must declare such possession in writing
54 to the department by January 1, 2018. This written declaration must include the number of
55 individual animals in possession and date acquired, sex, estimated age, coloration, and a
56 photograph of each fox or European rabbit. This written declaration shall (i) serve as a permit for
57 possession only, (ii) is not transferable, and (iii) must be renewed every five years.

RATIONALE:

Adoption of the updated “List of Native and Naturalized Fauna of Virginia” and associated reference date: Maintaining the currency of the Board’s adoption of this list is essential to clarifying the status of wildlife known from Virginia, to inform our authority for their protection and management.

Adding cornsnake morphs to the definition of “domestic animal”: The red cornsnake is one of a few native reptile species for which the DWR permits limited sales of animals as pets. Breeders have created numerous colorful and highly patterned varieties of these animals, which are clearly distinguishable from those in the wild. Adding these animals that are clearly different from those found in the wild to the definition of domestic animal negates the need for DWR to regulate possession and/or breeding of this animal, reduces regulatory burden on breeders and sellers, and simplifies enforcement of possession and sales regulations and laws by Conservation Police Officers.

Virginia Department of Wildlife Resources
List of Native and Naturalized Fauna of Virginia
May, 2024

(* denotes naturalized species; ** denotes species native to some areas of Virginia and naturalized in other areas of Virginia)

<u>Common Name</u>	<u>Scientific Name</u>
<u>FISHES:</u>	
<u>Freshwater Fishes:</u>	
Alabama Bass *	<i>Micropterus henshalli</i> *
Alewife	<i>Alosa pseudoharengus</i>
Allegheny Pearl Dace	<i>Margaricus margarita</i>
American Brook Lamprey	<i>Lethenteron appendix</i>
American Eel	<i>Anguilla rostrata</i>
American Shad	<i>Alosa sapidissima</i>
Appalachia Darter	<i>Percina gymnocephala</i>
Ashy Darter	<i>Allohistium cinereum</i>
Atlantic Sturgeon	<i>Acipenser oxyrinchus oxyrinchus</i>
Banded Darter	<i>Etheostoma zonale</i>
Banded Killifish	<i>Fundulus diaphanus</i>
Banded Sculpin	<i>Cottus carolinae</i>
Banded Sunfish	<i>Ennaecanthus obesus</i>
Bigeye Chub	<i>Hybopsis amblops</i>
Bigeye Jumprock	<i>Moxostoma ariommum</i>
Bigmouth Chub	<i>Nocomis platyrhynchus</i>
Black Bullhead	<i>Ameiurus melas</i>
Black Crappie	<i>Pomoxis nigromaculatus</i>
Blacktip Jumprock	<i>Moxostoma cervinum</i>
Black Redhorse	<i>Moxostoma duquesnei</i>
Black Sculpin	<i>Cottus baileyi</i>
Blackbanded Sunfish	<i>Enneacanthus chaetodon</i>
Blacknose Dace	<i>Rhinichthys atratulus</i>
Blackside Dace	<i>Chrosomus cumberlandensis</i>
Blackside Darter	<i>Percina maculata</i>
Blotched Chub	<i>Erimystax insignis</i>

Blotchside Logperch	<i>Percina burtoni</i>
Blue Catfish *	<i>Ictalurus furcatus</i> *
Blue Ridge Sculpin	<i>Cottus caeruleomentum</i>
Blueback Herring	<i>Alosa aestivalis</i>
Bluebreast Darter	<i>Nothonotus camurus</i>
Bluegill	<i>Lepomis macrochirus</i>
Bluehead Chub	<i>Nocomis leptcephalus</i>
Blueside Darter	<i>Etheostoma jessiae</i>
Bluespar Darter	<i>Etheostoma meadiae</i>
Bluespotted Sunfish	<i>Enneacanthus gloriosus</i>
Bluestone Sculpin	<i>Cottus sp. 1</i>
Bluntnose Minnow	<i>Pimephales notatus</i>
Brassy Jumprock	<i>Moxostoma sp.</i>
Bridle Shiner	<i>Notropis bifrenatus</i>
Brook Silverside	<i>Labidesthes sicculus</i>
Brook Trout	<i>Salvelinus fontinalis</i>
Brown Bullhead	<i>Ameiurus nebulosus</i>
Brown Trout *	<i>Salmo trutta</i> *
Bull Chub	<i>Nocomis raneyi</i>
Bullhead Minnow	<i>Pimephales vigilax</i>
Candy Darter	<i>Etheostoma osburni</i>
Carolina Darter	<i>Etheostoma collis</i>
Carolina Fantail Darter	<i>Etheostoma brevispinum</i>
Central Stoneroller	<i>Campostoma anomalum</i>
Chain Pickerel	<i>Esox niger</i>
Chainback Darter	<i>Percina nevisense</i>
Channel Catfish	<i>Ictalurus punctatus</i>
Channel Darter	<i>Percina copelandi</i>
Clinch Dace	<i>Chrosomus sp. cf. saylori</i>
Clinch Sculpin	<i>Cottus sp. 4</i>
Comely Shiner	<i>Notropis amoenus</i>
Common Carp	<i>Cyprinus carpio</i>
Common Shiner	<i>Luxilus cornutus</i>
Creek Chub	<i>Semotilus atromaculatus</i>
Crescent Shiner	<i>Luxilus cerasinus</i>
Cutlip Minnow	<i>Exoglossum maxillingua</i>
Dusky Darter	<i>Percina sciera</i>
Duskytail Darter	<i>Etheostoma percnum</i>
Eastern Creek Chubsucker	<i>Erimyzon oblongus</i>

Eastern Mosquitofish **	<i>Gambusia holbrooki</i> **
Eastern Mudminnow	<i>Umbra pygmaea</i>
Eastern Silvery Minnow	<i>Hybognathus regius</i>
Emerald Shiner	<i>Notropis atherinoides</i>
Fallfish	<i>Semotilus corporalis</i>
Fantail Darter	<i>Etheostoma flabellare</i>
Fathead Minnow	<i>Pimephales promelas</i>
Fatlips Minnow	<i>Phenacobius crassilabrum</i>
Flat Bullhead	<i>Ameiurus platycephalus</i>
Flathead Catfish **	<i>Pylodictis olivaris</i> **
Flier	<i>Centrarchus macropterus</i>
Freshwater Drum	<i>Aplodinotus grunniens</i>
Gilt Darter	<i>Percina evides</i>
Gizzard Shad	<i>Dorosoma cepedianum</i>
Glassy Darter	<i>Etheostoma vitreum</i>
Golden Darter	<i>Nothonotus denoncourti</i>
Golden Redhorse	<i>Moxostoma erythrurum</i>
Golden Shiner	<i>Notemigonus crysoleucas</i>
Goldfish *	<i>Carassius auratus</i> *
Grass Carp *	<i>Ctenopharyngodon idella</i> *
Greenfin Darter	<i>Nothonotus chlorobranchius</i>
Greenside Darter	<i>Etheostoma blennioides</i>
Green Sunfish	<i>Lepomis cyanellus</i>
Hickory Shad	<i>Alosa mediocris</i>
Highback Chub	<i>Hybopsis hypsinotus</i>
Highfin Shiner	<i>Hudsonius altipinnis</i>
Highland (=Southern Rosyface) Shiner	<i>Notropis micropteryx</i>
Holston Sculpin	<i>Cottus sp. 5</i>
Ironcolor Shiner	<i>Alburnops chalybaeus</i>
Johnny Darter	<i>Etheostoma nigrum</i>
Kanawha Darter	<i>Etheostoma kanawhae</i>
Kanawha Minnow	<i>Phenacobius teretulus</i>
Kanawha Sculpin	<i>Cottus kanawhae</i>
Lake Chubsucker	<i>Erimyzon sucetta</i>
Largemouth Bass **	<i>Micropterus nigricans</i> **
Largescale Stoneroller	<i>Campostoma oligolepis</i>
Least Brook Lamprey	<i>Lampetra aepyptera</i>
Lined Topminnow	<i>Fundulus lineolatus</i>
Logperch	<i>Percina caprodes</i>

Longear Sunfish	<i>Lepomis megalotis</i>
Longfin Darter	<i>Etheostoma longimanum</i>
Longnose Dace	<i>Rhinichthys cataractae</i>
Longnose Gar	<i>Lepisosteus osseus</i>
Margined Madtom	<i>Noturus insignis</i>
Mimic Shiner	<i>Paranotropis volucellus</i>
Mirror Shiner	<i>Paranotropis spectrunculus</i>
Mottled Sculpin	<i>Cottus bairdii</i>
Mountain Brook Lamprey	<i>Ichthyomyzon greeleyi</i>
Mountain Madtom	<i>Noturus eleutherus</i>
Mountain Redbelly Dace	<i>Chrosomus oreas</i>
Mountain Shiner	<i>Lythrurus lirus</i>
Mud Sunfish	<i>Acantharchus pomotis</i>
Muskellunge *	<i>Esox masquinongy</i> *
New River Shiner	<i>Miniellus scabriceps</i>
Northern Hog Sucker	<i>Hypentelium nigricans</i>
Northern Pike	<i>Esox lucius</i>
Northern Snakehead *	<i>Channa argus</i> *
Northern Studfish	<i>Fundulus catenatus</i>
Notchlip Redhorse	<i>Moxostoma collapsum</i>
Ohio Lamprey	<i>Ichthyomyzon bdellium</i>
Orangefin Madtom	<i>Noturus gilberti</i>
Paddlefish	<i>Polyodon spathula</i>
Piedmont Darter	<i>Percina crassa</i>
Pirate Perch	<i>Aphredoderus sayanus</i>
Popeye Shiner	<i>Notropis ariommus</i>
Potomac Sculpin	<i>Cottus girardi</i>
Pumpkinseed	<i>Lepomis gibbosus</i>
Quillback	<i>Carpionodes cyprinus</i>
Rainbow Darter	<i>Etheostoma caeruleum</i>
Rainbow Trout *	<i>Onchorynchus mykiss</i> *
Redbreast Sunfish	<i>Lepomis auritus</i>
Redear Sunfish	<i>Lepomis microlophus</i>
Redfin Pickerel	<i>Esox americanus americanus</i>
Redline Darter	<i>Nothonotus rufilineatum</i>
Redlip Shiner	<i>Hydrophlox chiliticus</i>
River Chub	<i>Nocomis micropogon</i>
River Redhorse	<i>Moxostoma carinatum</i>
Riverweed Darter	<i>Etheostoma podostemone</i>

Roanoke Bass	<i>Ambloplites cavifrons</i>
Roanoke Darter	<i>Percina roanoka</i>
Roanoke Hog Sucker	<i>Hypentelium roanokense</i>
Roanoke Logperch	<i>Percina rex</i>
Rock Bass	<i>Ambloplites rupestris</i>
Rosefin Shiner	<i>Lythrurus ardens</i>
Rosyface Shiner	<i>Notropis rubellus</i>
Rosyside Dace	<i>Clinostomus funduloides</i>
Roughhead Shiner	<i>Notropis semperasper</i>
Ruddy Bowfin	<i>Amia calva</i>
Rustyside Sucker	<i>Thoburnia hamiltoni</i>
Saffron Shiner	<i>Hydrophlox rubricroceus</i>
Sand Shiner	<i>Miniellus stramineus</i>
Sandbar Shiner	<i>Notropis szepticus</i>
Satinfin Shiner	<i>Cyprinella analostana</i>
Sauger	<i>Sander canadensis</i>
Sawcheek Darter	<i>Etheostoma serrifer</i>
Sawfin Shiner	<i>Paranotropis sp. cf. spectrunculus</i>
Scarlet Shiner	<i>Lythrurus fasciolaris</i>
Sea Lamprey	<i>Petromyzon marinus</i>
Sharphead Darter	<i>Nothonotus acuticeps</i>
Sharptnose Darter	<i>Percina oxyrhynchus</i>
Shield Darter	<i>Percina peltata</i>
Shorthead Redhorse	<i>Moxostoma macrolepidotum</i>
Shortnose Sturgeon	<i>Acipenser brevirostrum</i>
Sickle Darter	<i>Percina williamsi</i>
Silverjaw Minnow	<i>Ericymba buccata</i>
Silver Perch	<i>Bairdiella chrysoura</i>
Silver Redhorse	<i>Moxostoma anisurum</i>
Silver Shiner	<i>Notropis photogenis</i>
Slender Chub	<i>Erimystax cahni</i>
Smallmouth Bass **	<i>Micropterus dolomieu **</i>
Smallmouth Redhorse	<i>Moxostoma breviceps</i>
Snail Bullhead	<i>Ameiurus brunneus</i>
Snubnose Darter	<i>Etheostoma simoterum</i>
Speckled Killifish	<i>Fundulus rathbuni</i>
Spotfin Chub	<i>Erimonax monachus</i>
Spotfin Shiner	<i>Cyprinella spiloptera</i>
Spottail Shiner	<i>Hudsonius hudsonius</i>

Spotted Bass	<i>Micropterus punctulatus</i>
Stargazing Minnow	<i>Phenacobius uranops</i>
Steelcolor Shiner	<i>Cyprinella whipplei</i>
Stonecat	<i>Noturus flavus</i>
Streamline Chub	<i>Erimystax dissimilis</i>
Stripeback Darter	<i>Percina notogramma</i>
Striped Bass	<i>Morone saxatilis</i>
Striped Shiner	<i>Luxilus chrysocephalus</i>
Suckermouth Minnow	<i>Phenacobius mirabilis</i>
Swallowtail Shiner	<i>Miniellus procne</i>
Swamp Darter	<i>Etheostoma fusiforme</i>
Swampfish	<i>Chologaster cornuta</i>
Swannanoa Darter	<i>Etheostoma swannanoa</i>
Tadpole Madtom	<i>Noturus gyrinus</i>
Tangerine Darter	<i>Percina aurantiaca</i>
Telescope Shiner	<i>Notropis telescopus</i>
Tennessee Dace	<i>Chrosomus tennesseensis</i>
Tennessee Shiner	<i>Paranotropis leuciodus</i>
Tessellated Darter	<i>Etheostoma olmstedi</i>
Thicklip Chub	<i>Cyprinella labrosa</i>
Threadfin Shad	<i>Dorosoma petenense</i>
Threespine Stickleback	<i>Gasterosteus aculeatus</i>
Tonguetied Minnow	<i>Exoglossum laurae</i>
Torrent Sucker	<i>Thoburnia rhothoeca</i>
Variagate Darter	<i>Etheostoma variatum</i>
V-lip Redhorse	<i>Moxostoma pappillosum</i>
Walleye	<i>Sander vitreus</i>
Warmouth	<i>Lepomis gulosus</i>
Warpaint Shiner	<i>Coccotis coccogenis</i>
Western Blacknose Dace	<i>Rhinichthys obtusus</i>
Western Sand Darter	<i>Ammocrypta clara</i>
White Bass	<i>Morone chrysops</i>
White Catfish	<i>Ameiurus catus</i>
White Crappie	<i>Pomoxis annularis</i>
White Perch	<i>Morone americana</i>
White Shiner	<i>Luxilus albeolus</i>
White Sucker	<i>Catostomus commersoni</i>
Whitemouth Shiner	<i>Miniellus alborus</i>
Whitetail Shiner	<i>Cyprinella galactura</i>

Wounded Darter	<i>Nothonotus vulneratus</i>
Yellow Bullhead	<i>Ameiurus natalis</i>
Yellow Perch	<i>Perca flavescens</i>
Yellowfin Madtom	<i>Noturus flavipinnis</i>
<u>Marine/Brackish Water Fishes In The Albemarle & Currituck Sound Drainages :</u>	
Atlantic Croaker	<i>Micropogonias undulatus</i>
Atlantic Cutlassfish	<i>Trichiurus lepturus</i>
Atlantic Menhaden	<i>Brevoortia tyrannus</i>
Atlantic Needlefish	<i>Strongylura marina</i>
Atlantic Silverside	<i>Menidia menidia</i>
Atlantic Spadefish	<i>Chaetodipterus faber</i>
Atlantic Thread Herring	<i>Opisthonema oglinum</i>
Bay Anchovy	<i>Anchoa mitchilli</i>
Blackcheek Tonguefish	<i>Symphurus plagiusa</i>
Black Drum	<i>Pogonias cromis</i>
Black Sea Bass	<i>Centropristis striata</i>
Bluefish	<i>Pomatomus saltatrix</i>
Cownose Ray	<i>Rhinoptera bonasus</i>
Dusky Pipefish	<i>Syngnathus floridae</i>
Gizzard Shad	<i>Dorasoma cepedianum</i>
Gray Snapper	<i>Lutjanus griseus</i>
Green Goby	<i>Microgobius thalassinus</i>
Harvestfish	<i>Peprilus paru</i>
Hogchoker	<i>Trinectes maculatus</i>
Ladyfish	<i>Elops saurus</i>
Inland Silverside	<i>Menidia beryllina</i>
Marsh Killifish	<i>Fundulus confluentus</i>
Mummichog	<i>Fundulus heteroclitus</i>
Naked Goby	<i>Gobiosoma bosc</i>
Northern Pipefish	<i>Syngnathus fuscus</i>
Northern Seabrook	<i>Prionotus carolinus</i>
Oyster Toadfish	<i>Opsanus tau</i>
Pipefish	<i>Syngnathus sp.</i>
Red Drum	<i>Sciaenops ocellatus</i>
Rough Silverside	<i>Membras martinica</i>
Round Herring	<i>Etrumeus teres</i>

Sheepshead Minnow	<i>Cyprinodon variegatus</i>
Silver Seatrout	<i>Cynoscion nothus</i>
Skilletfish	<i>Gobiesox strumosus</i>
Southern Flounder	<i>Paralichthys lethostigma</i>
Southern Kingfish	<i>Menticirrhus americanus</i>
Spanish Mackerel	<i>Scomberomorus maculatus</i>
Spot	<i>Leiostomus xanthurus</i>
Spotted Sea Trout	<i>Cynoscion nebulosus</i>
Striped Anchovy	<i>Anchoa hepsetus</i>
Striped Bass	<i>Monrone saxatilis</i>
Striped Blenny	<i>Chasmodes bosquianus</i>
Striped Mullet	<i>Mugil cephalus</i>
Summer Flounder	<i>Paralichthys dentatus</i>
Weakfish (Gray Trout)	<i>Cynoscion regalis</i>
White Mullet	<i>Mugil curema</i>
<u>AMPHIBIANS:</u>	
<u>Frogs & Toads:</u>	
American Bullfrog	<i>Lithobates catesbeianus</i>
Barking Treefrog	<i>Hyla gratiosa</i>
Brimley’s Chorus Frog	<i>Pseudacris brimleyi</i>
Carpenter Frog	<i>Lithobates virgatipes</i>
Coastal Plains Leopard Frog	<i>Lithobates sphenoccephalus utricularius</i>
Cope’s Gray Treefrog	<i>Hyla chrysoscelis</i>
Eastern American Toad	<i>Anaxyrus americanus americanus</i>
Eastern Cricket Frog	<i>Acris crepitans</i>
Eastern Narrow-mouthed Toad	<i>Gastrophryne carolinensis</i>
Eastern Spadefoot	<i>Scaphiopus holbrookii</i>
Fowler’s Toad	<i>Anaxyrus fowleri</i>
Gray Treefrog	<i>Hyla versicolor</i>
Green Frog	<i>Lithobates clamitans</i>
Green Treefrog	<i>Hyla cinerea</i>
Little Grass Frog	<i>Pseudacrisocularis</i>
Mid-Atlantic Coast Leopard Frog	<i>Lithobates kauffeldi</i>
Mountain Chorus Frog	<i>Pseudacris brachyphona</i>
New Jersey Chorus Frog	<i>Pseudacris kalmi</i>
Oak Toad	<i>Anaxyrus quercicus</i>

Pickerel Frog	<i>Lithobates palustris</i>
Pine Woods Treefrog	<i>Hyla femoralis</i>
Southern Chorus Frog	<i>Pseudacris nigrita</i>
Southern Cricket Frog	<i>Acris gryllus</i>
Southern Toad	<i>Anaxyrus terrestris</i>
Spring Peeper	<i>Pseudacris crucifer</i>
Squirrel Treefrog	<i>Hyla squirella</i>
Upland Chorus Frog	<i>Pseudacris feriarum</i>
Wood Frog	<i>Lithobates sylvaticus</i>
<u>Salamanders:</u>	
Allegheny Mountain Dusky Salamander	<i>Desmognathus ochrophaeus</i>
Atlantic Coast Slimy Salamander	<i>Plethodon chlorobryonis</i>
Big Levels Salamander	<i>Plethodon sherando</i>
Black-bellied Salamander	<i>Desmognathus quadramaculatus</i>
Black Mountain Salamander	<i>Desmognathus welteri</i>
Blacksburg Salamander	<i>Plethodon jacksoni</i>
Blue Ridge Dusky Salamander	<i>Desmognathus orestes</i>
Blue Ridge Red Salamander	<i>Pseudotriton ruber nitidus</i>
Blue Ridge Spring Salamander	<i>Gyrinophilus porphyriticus danielsi</i>
Blue Ridge Two-lined Salamander	<i>Eurycea wilderae</i>
Cave Salamander	<i>Eurycea lucifuga</i>
Common Mudpuppy	<i>Necturus maculosus maculosus</i>
Cow Knob Salamander	<i>Plethodon punctatus</i>
Cumberland Plateau Salamander	<i>Plethodon kentucki</i>
Dixie Caverns Salamander	<i>Plethodon dixi</i>
Dwarf Waterdog	<i>Necturus punctatus</i>
Eastern Hellbender	<i>Cryptobranchus alleganiensis alleganiensis</i>
Eastern Lesser Siren	<i>Siren intermedia intermedia</i>
Eastern Long-tailed Salamander	<i>Eurycea longicauda longicauda</i>
Eastern Mud Salamander	<i>Pseudotriton montanus montanus</i>
Eastern Red-backed Salamander	<i>Plethodon cinereus</i>
Eastern Tiger Salamander	<i>Ambystoma tigrinum</i>
Flat-headed Salamander	<i>Desmognathus planiceps</i>
Four-toed Salamander	<i>Hemidactylum scutatum</i>
Greater Siren	<i>Siren lacertina</i>
Green Salamander	<i>Aneides aeneus</i>
Holbrook's Southern Dusky Salamander	<i>Desmognathus auriculatus</i>

Jefferson Salamander	<i>Ambystoma jeffersonianum</i>
Kentucky Spring Salamander	<i>Gyrinophilus porphyriticus duryi</i>
Mabee’s Salamander	<i>Ambystoma mabeei</i>
Many-lined Salamander	<i>Stereochilus marginatus</i>
Marbled Salamander	<i>Ambystoma opacum</i>
Midland Mud Salamander	<i>Pseudotriton montanus diastictus</i>
Mole Salamander	<i>Ambystoma talpoideum</i>
Northern Dusky Salamander	<i>Desmognathus fuscus</i>
Northern Gray-cheeked Salamander	<i>Plethodon montanus</i>
Northern Pygmy Salamander	<i>Desmognathus organi</i>
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>
Northern Slimy Salamander	<i>Plethodon glutinosus</i>
Northern Spring Salamander	<i>Gyrinophilus porphyriticus porphyriticus</i>
Northern Two-lined Salamander	<i>Eurycea bislineata</i>
Peaks Of Otter Salamander	<i>Plethodon hubrichti</i>
Red-Spotted Newt	<i>Notophthalmus viridescens viridescens</i>
Seal Salamander	<i>Desmognathus monticola</i>
Shenandoah Mountain Salamander	<i>Plethodon virginia</i>
Shenandoah Salamander	<i>Plethodon shenandoah</i>
Shovel-nosed Salamander	<i>Desmognathus marmoratus</i>
Southern Ravine Salamander	<i>Plethodon richmondi</i>
Southern Two-lined Salamander	<i>Eurycea cirrigera</i>
Southern Zigzag Salamander	<i>Plethodon ventralis</i>
Spotted Salamander	<i>Ambystoma maculatum</i>
Three-Lined Salamander	<i>Eurycea guttolineata</i>
Two-toed Amphiuma	<i>Amphiuma means</i>
Valley And Ridge Salamander	<i>Plethodon hoffmani</i>
Wehrle’s Salamander	<i>Plethodon wehrlei</i>
Weller’s Salamander	<i>Plethodon welleri</i>
White-spotted Slimy Salamander	<i>Plethodon cylindraceus</i>
Yellow-spotted Woodland Salamander	<i>Plethodon pauleyi</i>
Yonahlossee Salamander	<i>Plethodon yonahlossee</i>
<u>REPTILES:</u>	
<u>Lizards:</u>	
Broad-headed Skink	<i>Plestiodon laticeps</i>
Common Five-lined Skink	<i>Plestiodon fasciatus</i>

Green Anole *	<i>Anolis carolinesis</i> *
Eastern Fence Lizard	<i>Sceloporus undulatus</i>
Eastern Glass Lizard	<i>Ophisaurus ventralis</i>
Eastern Six-lined Racerunner	<i>Aspidoscelis sexlineata sexlineata</i>
Eastern Slender Glass Lizard	<i>Ophisaurus attenuatus longicaudus</i>
Italian Wall Lizard *	<i>Podarcis siculus</i> *
Little Brown Skink	<i>Scincella lateralis</i>
Mediterranean Gecko *	<i>Hemidactylus turcicus</i> *
Northern Coal Skink	<i>Plestiodon anthracinus anthracinus</i>
Southeastern Five-lined Skink	<i>Plestiodon inexpectatus</i>
	<u>Snakes:</u>
Brahminy Blindsnake *	<i>Ramphotyphlops braminus</i> *
Brown Watersnake	<i>Nerodia taxispilota</i>
Canebrake Rattlesnake (Coastal Plain Population of Timber Rattlesnake)	<i>Crotalus horridus</i>
Common Rainbow Snake	<i>Farancia erythrogramma erythrogramma</i>
Common Ribbonsnake	<i>Thamnophis saurita saurita</i>
Dekay's Brownsnake	<i>Storeria dekayi</i>
Eastern Black Kingsnake	<i>Lampropeltis nigra</i>
Eastern Copperhead	<i>Agkistrodon contortrix</i>
Eastern Gartersnake	<i>Thamnophis sirtalis sirtalis</i>
Eastern Hog-nosed Snake	<i>Heterodon platirhinos</i>
Eastern Kingsnake	<i>Lampropeltis getula</i>
Eastern Milksnake	<i>Lampropeltis triangulum</i>
Eastern Mudsnake	<i>Farancia abacura abacura</i>
Eastern Ratsnake	<i>Pantherophis alleghaniensis</i>
Eastern Smooth Earthsnake	<i>Virginia valeriae valeriae</i>
Eastern Wormsnake	<i>Carphophis amoenus amoenus</i>
Glossy Swampsnake	<i>Liodytes rigida</i>
Mountain Earthsnake	<i>Virginia valeriae pulchra</i>
Northern Black Racer	<i>Coluber constrictor constrictor</i>
Northern Cottonmouth	<i>Agkistrodon piscivorus</i>
Northern Mole Kingsnake	<i>Lampropeltis rhombomaculata</i>
Northern Pinesnake	<i>Pituophis melanoleucus melanoleucus</i>
Northern Ring-necked Snake	<i>Diadophis punctatus edwardsii</i>
Northern Rough Greensnake	<i>Opheodrys aestivus aestivus</i>
Northern Scarletsnake	<i>Cemophora coccinea copei</i>

Northern Watersnake	<i>Nerodia sipedon sipedon</i>
Plain-bellied Watersnake	<i>Nerodia erythrogaster</i>
Queensnake	<i>Regina septemvittata</i>
Red-bellied Snake	<i>Storeria occipitomaculata</i>
Red Cornsnake	<i>Pantherophis guttatus</i>
Rough Earthsnake	<i>Haldea striatula</i>
Scarlet Kingsnake	<i>Lampropeltis elapsoides</i>
Smooth Greensnake	<i>Opheodrys vernalis</i>
Southeastern Crowned Snake	<i>Tantilla coronata</i>
Southern Ring-necked Snake	<i>Diadophis punctatus punctatus</i>
Timber Rattlesnake	<i>Crotalus horridus</i>
<u>Turtles:</u>	
Bog (=Muhlenberg) Turtle	<i>Glyptemys (=Clemmys) muhlenbergii</i>
Chinese Softshell *	<i>Pelodiscus sinensis *</i>
Coastal Plain Cooter	<i>Pseudemys concinna floridana</i>
Cumberland Slider	<i>Trachemys scripta troostii</i>
Eastern Chicken Turtle	<i>Deirochelys reticularia reticularia</i>
Eastern Musk Turtle	<i>Sternotherus odoratus</i>
Eastern Painted Turtle	<i>Chrysemys picta picta</i>
Eastern River Cooter	<i>Pseudemys concinna concinna</i>
Eastern Spiny Softshell	<i>Apalone spinifera spinifera</i>
Green Sea Turtle	<i>Chelonia mydas</i>
Gulf Coast Spiny Softshell *	<i>Apalone spinifera aspera *</i>
Hawksbill Sea Turtle	<i>Eretmochelys imbricata</i>
Kemp's Ridley Sea Turtle	<i>Lepidochelys kempii</i>
Leatherback Sea Turtle	<i>Dermochelys coriacea</i>
Loggerhead Sea Turtle	<i>Caretta caretta</i>
Midland Painted Turtle	<i>Chrysemys picta marginata</i>
Mississippi Map Turtle *	<i>Graptemys pseudogeographica kohnii *</i>
Northern Map Turtle	<i>Graptemys geographica</i>
Northern Diamond-backed Terrapin	<i>Malaclemys terrapin terrapin</i>
Northern Red-bellied Cooter	<i>Pseudemys rubriventris</i>
Red-eared Slider *	<i>Trachemys scripta elegans *</i>
Snapping Turtle	<i>Chelydra serpentina</i>
Southeastern Mud Turtle	<i>Kinosternon subrubrum subrubrum</i>
Spotted Turtle	<i>Clemmys guttata</i>
Striped Mud Turtle	<i>Kinosternon baurii</i>

Stripe-necked Musk Turtle	<i>Sternotherus minor peltifer</i>
Wood Turtle	<i>Glyptemys insculpta</i>
Woodland Box Turtle	<i>Terrapene carolina carolina</i>
Yellow-bellied Slider**	<i>Trachemys scripta scripta**</i>
<u>BIRDS:</u>	
Acadian Flycatcher	<i>Empidonax vireescens</i>
Alder Flycatcher	<i>Empidonax alnorum</i>
American Avocet	<i>Recurvirostra americana</i>
American Bittern	<i>Botaurus lentiginosus</i>
American Black Duck	<i>Anas rubripes</i>
American Coot	<i>Fulica americana</i>
American Crow	<i>Corvus brachyrhynchos</i>
American Flamingo	<i>Phoenicopterus ruber</i>
American Golden-plover	<i>Pluvialis dominica</i>
American Goldfinch	<i>Spinus tristis</i>
American Kestrel	<i>Falco sparverius</i>
American Oystercatcher	<i>Haematopus palliatus</i>
American Pipit	<i>Anthus rubescens</i>
American Redstart	<i>Setophaga ruticilla</i>
American Robin	<i>Turdus migratorius</i>
American Tree Sparrow	<i>Spizelloides arborea</i>
American White Pelican	<i>Pelecanus erythrorhynchos</i>
American Wigeon	<i>Mareca americana</i>
American Woodcock	<i>Scolopax minor</i>
Anhinga	<i>Anhinga anhinga</i>
Arctic Loon	<i>Gavia arctica</i>
Arctic Peregrine Falcon	<i>Falco peregrinus tundrius</i>
Arctic Tern	<i>Sterna paradisaea</i>
Atlantic Puffin	<i>Fratercula arctica</i>
Audubon's Shearwater	<i>Puffinus lherminieri</i>
Bachman's Sparrow	<i>Peucaea aestivalis</i>
Baird's Sandpiper	<i>Calidris bairdii</i>
Bald Eagle	<i>Haliaeetus leucocephalus</i>
Baltimore Oriole	<i>Icterus galbula</i>
Bank Swallow	<i>Riparia riparia</i>
Barn Owl	<i>Tyto alba</i>
Barn Swallow	<i>Hirundo rustica</i>

Barnacle Goose	<i>Branta leucopsis</i>
Bar-tailed Godwit	<i>Limosa lapponica</i>
Barred Owl	<i>Strix varia</i>
Bay-breasted Warbler	<i>Setophaga castanea</i>
Belted Kingfisher	<i>Megaceryle alcyon</i>
Bewick's Wren	<i>Thryomanes bewickii</i>
Bicknell's Thrush	<i>Catharus bicknelli</i>
Black-and-white Warbler	<i>Mniotilta varia</i>
Black-bellied Plover	<i>Pluvialis squatarola</i>
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>
Blackburnian Warbler	<i>Setophaga fusca</i>
Black-capped Chickadee	<i>Poecile atricapillus</i>
Black-capped Petrel	<i>Pterodroma hasitata</i>
Black-crowned Night-Heron	<i>Nycticorax nycticorax</i>
Black-headed Gull	<i>Chroicocephalus ridibundus</i>
Black-legged Kittiwake	<i>Rissa tridactyla</i>
Black-necked Stilt	<i>Himantopus mexicanus</i>
Blackpoll Warbler	<i>Setophaga striata</i>
Black Rail	<i>Laterallus jamaicensis</i>
Black Scoter	<i>Melanitta americana</i>
Black Skimmer	<i>Rynchops niger</i>
Black Tern	<i>Chlidonias niger</i>
Black-throated Blue Warbler	<i>Setophaga caerulescens</i>
Black-throated Gray Warbler	<i>Setophaga nigrescens</i>
Black-throated Green Warbler	<i>Setophaga virens</i>
Black Vulture	<i>Coragyps atratus</i>
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>
Blue Grosbeak	<i>Passerina caerulea</i>
Blue-headed Vireo	<i>Vireo solitarius</i>
Blue Jay	<i>Cyanocitta cristata</i>
Blue-Winged Teal	<i>Spatula discors</i>
Blue-winged Warbler	<i>Vermivora cyanoptera</i>
Boat-tailed Grackle	<i>Quiscalus major</i>
Bobolink	<i>Dolichonyx oryzivorus</i>
Bonaparte's Gull	<i>Chroicocephalus philadelphia</i>
Boreal Chickadee	<i>Poecile hudsonicus</i>
Brant	<i>Branta bernicla</i>
Brewer's Blackbird	<i>Euphagus cyanocephalus</i>
Brewster's (Golden-winged x Blue-winged) Warbler	<i>Vermivora chrysoptera</i> x <i>cyanoptera</i>

Bridled Tern	<i>Onychoprion anaethetus</i>
Broad-winged Hawk	<i>Buteo platypterus</i>
Brown Booby	<i>Sula leucogaster</i>
Brown Creeper	<i>Certhia americana</i>
Brown-headed Cowbird	<i>Molothrus ater</i>
Brown-headed Nuthatch	<i>Sitta pusilla</i>
Brown pelican	<i>Pelecanus occidentalis</i>
Brown Thrasher	<i>Toxostoma rufum</i>
Buff-breasted Sandpiper	<i>Calidris subruficollis</i>
Bufflehead	<i>Bucephala albeola</i>
Cackling Goose	<i>Branta hutchinsii</i>
California Gull	<i>Larus californicus</i>
Canada Goose	<i>Branta canadensis</i>
Canada Warbler	<i>Cardellina canadensis</i>
Canvasback	<i>Aythya valisineria</i>
Cape May Warbler	<i>Setophaga tigrina</i>
Carolina Chickadee	<i>Poecile carolinensis</i>
Carolina Wren	<i>Thryothorus ludovicianus</i>
Caspian Tern	<i>Hydroprogne caspia</i>
Cattle Egret	<i>Bubulcus ibis</i>
Cave Swallow	<i>Petrochelidon fulva</i>
Cedar Waxwing	<i>Bombycilla cedrorum</i>
Cerulean Warbler	<i>Setophaga cerulea</i>
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>
Chimney Swift	<i>Chaetura pelagica</i>
Chipping Sparrow	<i>Spizella passerina</i>
Chuck-will's-widow	<i>Antrostomus carolinensis</i>
Clapper Rail	<i>Rallus crepitans</i>
Clay-colored Sparrow	<i>Spizella pallida</i>
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>
Coastal Plain Swamp Sparrow	<i>Melospiza georgiana nigrescens</i>
Common Eider	<i>Somateria mollissima</i>
Common Goldeneye	<i>Bucephala clangula</i>
Common Grackle	<i>Quiscalus quiscula</i>
Common Ground Dove	<i>Columbina passerina</i>
Common Loon	<i>Gavia immer</i>
Common Merganser	<i>Mergus merganser</i>
Common Moorhen	<i>Gallinula chloropus</i>
Common Nighthawk	<i>Chordeiles minor</i>

Common Raven	<i>Corvus corax</i>
Common Redpoll	<i>Acanthis flammea</i>
Common Snipe	<i>Gallinago gallinago</i>
Common Tern	<i>Sterna hirundo</i>
Common Yellowthroat	<i>Geothlypis trichas</i>
Connecticut Warbler	<i>Oporornis agilis</i>
Cooper's Hawk	<i>Accipiter cooperii</i>
Cory's Shearwater	<i>Calonectris diomedea</i>
Curlow Sandpiper	<i>Calidris ferruginea</i>
Dark-eyed Junco	<i>Junco hyemalis</i>
Dickcissel	<i>Spiza americana</i>
Double-crested Cormorant	<i>Nannopterum auritus</i>
Dovekie	<i>Alle alle</i>
Downy Woodpecker	<i>Dryobates pubescens</i>
Dunlin	<i>Calidris alpina hudsonia</i>
Eared Grebe	<i>Podiceps nigricollis</i>
Eastern Bluebird	<i>Sialia sialis</i>
Eastern Kingbird	<i>Tyrannus tyrannus</i>
Eastern Meadowlark	<i>Sturnella magna</i>
Eastern Phoebe	<i>Sayornis phoebe</i>
Eastern Screech-owl	<i>Megascops asio</i>
Eastern Towhee	<i>Pipilo erythrophthalmus</i>
Eastern Whip-poor-will	<i>Antrostomus vociferus</i>
Eastern Wood-pewee	<i>Contopus virens</i>
Elegant Tern	<i>Thalasseus elegans</i>
Eurasian Collared-dove *	<i>Streptopelia decaocto *</i>
Eurasian Wigeon	<i>Mareca penelope</i>
European Starling *	<i>Sturnus vulgaris *</i>
Evening Grosbeak	<i>Coccothraustes vespertinus</i>
Field Sparrow	<i>Spizella pusilla</i>
Fish Crow	<i>Corvus ossifragus</i>
Forster's Tern	<i>Sterna forsteri</i>
Fox Sparrow	<i>Passerella iliaca</i>
Franklin's Gull	<i>Leucophaeus pipixcan</i>
Fulvous Whistling-duck	<i>Dendrocygna bicolor</i>
Gadwall	<i>Mareca strepera</i>
Glaucous Gull	<i>Larus hyperboreus</i>
Glossy Ibis	<i>Plegadis falcinellus</i>
Golden-crowned Kinglet	<i>Regulus satrapa</i>

Golden Eagle	<i>Aquila chrysaetos</i>
Golden-winged Warbler	<i>Vermivora chrysoptera</i>
Golden-winged x Blue-Winged Warbler Hybrid	<i>Vermivora chrysoptera x cyanoptera</i>
Grasshopper Sparrow	<i>Ammodramus savannarum</i>
Gray Catbird	<i>Dumetella carolinensis</i>
Gray-cheeked Thrush	<i>Catharus minimus</i>
Great Black-backed Gull	<i>Larus marinus</i>
Great Blue Heron	<i>Ardea herodias</i>
Great Cormorant	<i>Phalacrocorax carbo</i>
Great Crested Flycatcher	<i>Myiarchus crinitus</i>
Great Egret	<i>Ardea alba</i>
Great Horned Owl	<i>Bubo virginianus</i>
Great Skua	<i>Stercorarius skua</i>
Great Shearwater	<i>Ardenna gravis</i>
Greater Scaup	<i>Aythya marila</i>
Greater White-fronted Goose	<i>Anser albifrons</i>
Greater Yellowlegs	<i>Tringa melanoleuca</i>
Green Heron	<i>Butorides virescens</i>
Green-winged Teal	<i>Anas crecca</i>
Gull-billed Tern	<i>Gelochelidon nilotica</i>
Hairy Woodpecker	<i>Dryobates villosus</i>
Harlequin Duck	<i>Histrionicus histrionicus</i>
Harris' Sparrow	<i>Zonotrichia querula</i>
Henslow's Sparrow	<i>Centronyx henslowii</i>
Hermit Thrush	<i>Catharus guttatus</i>
Herring Gull	<i>Larus argentatus</i>
Hooded Merganser	<i>Lophodytes cucullatus</i>
Hooded Warbler	<i>Setophaga citrina</i>
Horned Grebe	<i>Podiceps auritus</i>
Horned Lark	<i>Eremophila alpestris</i>
House Finch	<i>Haemorhous mexicanus</i>
House Sparrow *	<i>Passer domesticus *</i>
House Wren	<i>Troglodytes aedon</i>
Hudsonian Godwit	<i>Limosa haemastica</i>
Iceland Gull	<i>Larus glaucoides</i>
Indigo Bunting	<i>Passerina cyanea</i>
Ivory Gull	<i>Pagophila eburnea</i>
Kentucky Warbler	<i>Geothlypis formosa</i>
Killdeer	<i>Charadrius vociferus</i>

King Eider	<i>Somateria spectabilis</i>
King Rail	<i>Rallus elegans</i>
Kirtland's Warbler	<i>Setophaga kirtlandii</i>
Lapland Longspur	<i>Calcarius lapponicus</i>
Lark Sparrow	<i>Chondestes grammacus</i>
Laughing Gull	<i>Leucophaeus atricilla</i>
Lawrence's (Blue-winged x Golden-winged) Warbler	<i>Vermivora cyanoptera x chrysoptera</i>
Leach's Storm-petrel	<i>Hydrobates leucorhous</i>
Least Bittern	<i>Ixobrychus exilis</i>
Least Flycatcher	<i>Empidonax minimus</i>
Least Sandpiper	<i>Calidris minutilla</i>
Least Tern	<i>Sternula antillarum</i>
Leconte's Sparrow	<i>Ammodramus leconteii</i>
Lesser Black-backed Gull	<i>Larus fuscus</i>
Lesser Scaup	<i>Aythya affinis</i>
Lesser Yellowlegs	<i>Tringa flavipes</i>
Limpkin	<i>Aramus guarauna</i>
Lincoln's Sparrow	<i>Melospiza lincolnii</i>
Little Blue Heron	<i>Egretta caerulea</i>
Little Gull	<i>Hydrocoloeus minutus</i>
Loggerhead Shrike	<i>Lanius ludovicianus</i>
Long-billed Curlew	<i>Numenius americanus</i>
Long-billed Dowitcher	<i>Limnodromus scolopaceus</i>
Long-eared Owl	<i>Asio otus</i>
Long-tailed Duck	<i>Clangula hyemalis</i>
Long-tailed Jaeger	<i>Stercorarius longicaudus</i>
Louisiana Waterthrush	<i>Parkesia motacilla</i>
Magnificent Frigatebird	<i>Fregata magnificens</i>
Magnolia Warbler	<i>Setophaga magnolia</i>
Mallard	<i>Anas platyrhynchos</i>
Mallard X Black Duck Hybrid	<i>Anas platyrhynchos x rubripes</i>
Manx Shearwater	<i>Puffinus puffinus</i>
Marbled Godwit	<i>Limosa fedoa</i>
Marsh Wren	<i>Cistothorus palustris</i>
Merlin	<i>Falco columbarius</i>
Mew Gull	<i>Larus canus</i>
Migrant Loggerhead Shrike	<i>Lanius ludovicianus migrans</i>
Mississippi Kite	<i>Ictinia mississippiensis</i>
Monk Parakeet *	<i>Myiopsitta monachus *</i>

Mountain Plover	<i>Charadrius montanus</i>
Mourning Dove	<i>Zenaida macroura</i>
Mourning Warbler	<i>Geothlypis philadelphia</i>
Nashville Warbler	<i>Leiothlypis ruficapilla</i>
Nelson's Sparrow	<i>Ammospiza nelsoni</i>
Northern Bobwhite	<i>Colinus virginianus</i>
Northern Cardinal	<i>Cardinalis cardinalis</i>
Northern Flicker	<i>Colaptes auratus</i>
Northern Fulmar	<i>Fulmarus glacialis</i>
Northern Gannet	<i>Morus bassanus</i>
Northern Goshawk	<i>Accipiter gentilis</i>
Northern Harrier	<i>Circus hudsonius</i>
Northern Mockingbird	<i>Mimus polyglottos</i>
Northern Parula	<i>Setophaga americana</i>
Northern Pintail	<i>Anas acuta</i>
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>
Northern Saw-whet Owl	<i>Aegolius acadicus</i>
Northern Shoveler	<i>Spatula clypeata</i>
Northern Shrike	<i>Lanius borealis</i>
Northern Waterthrush	<i>Parkesia noveboracensis</i>
Olive-sided Flycatcher	<i>Contopus cooperi</i>
Orange-crowned Warbler	<i>Leiothlypis celata</i>
Orchard Oriole	<i>Icterus spurius</i>
Osprey	<i>Pandion haliaetus</i>
Ovenbird	<i>Seiurus aurocapilla</i>
Painted Bunting	<i>Passerina ciris</i>
Palm Warbler	<i>Setophaga palmarum</i>
Parasitic Jaeger	<i>Stercorarius parasiticus</i>
Pectoral Sandpiper	<i>Calidris melanotos</i>
Peregrine Falcon	<i>Falco peregrinus</i>
Philadelphia Vireo	<i>Vireo philadelphicus</i>
Pied-billed Grebe	<i>Podilymbus podiceps</i>
Pileated Woodpecker	<i>Dryocopus pileatus</i>
Pine Grosbeak	<i>Pinicola enucleator</i>
Pine Siskin	<i>Spinus pinus</i>
Pine Warbler	<i>Setophaga pinus</i>
Piping Plover	<i>Charadrius melodus</i>
Pomarine Jaeger	<i>Stercorarius pomarinus</i>
Prairie Warbler	<i>Setophaga discolor</i>

Prothonotary Warbler	<i>Protonotaria citrea</i>
Purple Finch	<i>Haemorhous purpureus</i>
Purple Gallinule	<i>Porphyrio martinicus</i>
Purple Martin	<i>Progne subis</i>
Purple Sandpiper	<i>Calidris maritima</i>
Razorbill	<i>Alca torda</i>
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>
Red-breasted Merganser	<i>Mergus serrator</i>
Red-breasted Nuthatch	<i>Sitta canadensis</i>
Red-cockaded Woodpecker	<i>Picoides borealis</i>
Red Crossbill	<i>Loxia curvirostra</i>
Red-eyed Vireo	<i>Vireo olivaceus</i>
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>
Red-necked Grebe	<i>Podiceps grisegena</i>
Red-necked Phalarope	<i>Phalaropus lobatus</i>
Red Phalarope	<i>Phalaropus fulicaria</i>
Red-shouldered Hawk	<i>Buteo lineatus</i>
Red-tailed Hawk	<i>Buteo jamaicensis</i>
Red-throated Loon	<i>Gavia stellata</i>
Red-winged Blackbird	<i>Agelaius phoeniceus</i>
Reddish Egret	<i>Egretta rufescens</i>
Redhead	<i>Aythya americana</i>
Ring-billed Gull	<i>Larus delawarensis</i>
Ring-necked Duck	<i>Aythya collaris</i>
Rock Pigeon *	<i>Columba livia *</i>
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>
Roseate Tern	<i>Sterna dougallii dougallii</i>
Ross's Goose	<i>Anser rossii</i>
Rough-legged Hawk	<i>Buteo lagopus</i>
Royal Tern	<i>Thalasseus maximus</i>
Ruby-crowned Kinglet	<i>Regulus calendula</i>
Ruby-throated Hummingbird	<i>Archilochus colubris</i>
Ruddy Duck	<i>Oxyura jamaicensis</i>
Ruddy Turnstone	<i>Arenaria interpres</i>
Rufa Red Knot	<i>Calidris canutus rufa</i>
Ruff	<i>Calidris pugnax</i>
Ruffed Grouse	<i>Bonasa umbellus</i>
Rufous Hummingbird	<i>Selasphorus rufus</i>
Rusty Blackbird	<i>Euphagus carolinus</i>

Sabine's Gull	<i>Xema sabini</i>
Saltmarsh Sparrow	<i>Ammodramus caudacuta</i>
Sanderling	<i>Calidris alba</i>
Sandhill Crane	<i>Antigone canadensis</i>
Sandwich Tern	<i>Thalasseus sandvicensis</i>
Savannah Sparrow	<i>Passerculus sandwichensis</i>
Scarlet Tanager	<i>Piranga olivacea</i>
Scissor-tailed Flycatcher	<i>Tyrannus forficatus</i>
Seaside Sparrow	<i>Ammodramus maritima</i>
Sedge Wren	<i>Cistothorus platensis</i>
Semipalmated Plover	<i>Charadrius semipalmatus</i>
Semipalmated Sandpiper	<i>Calidris pusilla</i>
Sharp-shinned Hawk	<i>Accipiter striatus</i>
Sharp-tailed Sandpiper	<i>Calidris acuminata</i>
Short-billed Dowitcher	<i>Limnodromus griseus</i>
Short-eared Owl	<i>Asio flammeus</i>
Snow Bunting	<i>Plectrophenax nivalis</i>
Snow Goose	<i>Anser caerulescens</i>
Snowy Egret	<i>Egretta thula</i>
Snowy Owl	<i>Bubo scandiacus</i>
Solitary Sandpiper	<i>Tringa solitaria</i>
Song Sparrow	<i>Melospiza melodia</i>
Sooty Shearwater	<i>Ardenna grisea</i>
Sooty Tern	<i>Onychoprion fuscatus</i>
Sora	<i>Porzana carolina</i>
Southern Swamp Sparrow	<i>Melospiza georgiana georgiana</i>
Spotted Sandpiper	<i>Actitis macularius</i>
Stilt Sandpiper	<i>Calidris himantopus</i>
Summer Tanager	<i>Piranga rubra</i>
Surf Scoter	<i>Melanitta perspicillata</i>
Swainson's Thrush	<i>Catharus ustulatus</i>
Swainson's Warbler	<i>Limothlypis swainsonii</i>
Swallow-tailed Kite	<i>Elanoides forficatus</i>
Swamp Sparrow	<i>Melospiza georgiana</i>
Tennessee Warbler	<i>Leiostylypis peregrina</i>
Thick-billed Murre	<i>Uria lomvia</i>
Tree Swallow	<i>Tachycineta bicolor</i>
Tricolored Heron	<i>Egretta tricolor</i>
Tufted Titmouse	<i>Baeolophus bicolor</i>

Tundra Swan	<i>Cygnus columbianus</i>
Turkey Vulture	<i>Cathartes aura</i>
Upland Sandpiper	<i>Bartramia longicauda</i>
Varied Thrush	<i>Ixoreus naevius</i>
Veery	<i>Catharus fuscescens</i>
Vesper Sparrow	<i>Pooecetes gramineus</i>
Virginia Rail	<i>Rallus limicola</i>
Warbling Vireo	<i>Vireo gilvus</i>
Wayne's Warbler	<i>Setophaga virens waynei</i>
Western Grebe	<i>Aechmophorus occidentalis</i>
Western Kingbird	<i>Tyrannus verticalis</i>
Western Sandpiper	<i>Calidris mauri</i>
Western Tanager	<i>Piranga ludoviciana</i>
Whimbrel	<i>Numenius phaeopus</i>
White-breasted Nuthatch	<i>Sitta carolinensis</i>
White-cheeked Pintail	<i>Anas bahamensis</i>
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>
White-eyed Vireo	<i>Vireo griseus</i>
White-faced Ibis	<i>Plegadis chihi</i>
White Ibis	<i>Eudocimus albus</i>
White-rumped Sandpiper	<i>Calidris fuscicollis</i>
White-tailed Tropicbird	<i>Phaethon lepturus</i>
White-throated Sparrow	<i>Zonotrichia albicollis</i>
White-winged Crossbill	<i>Loxia leucoptera</i>
White-winged Scoter	<i>Melanitta deglandi</i>
White-winged Tern	<i>Chlidonias leucopterus</i>
Wild Turkey	<i>Meleagris gallopavo</i>
Willet	<i>Tringa semipalmata</i>
Willow Flycatcher	<i>Empidonax traillii</i>
Wilson's Phalarope	<i>Phalaropus tricolor</i>
Wilson's Plover	<i>Charadrius wilsonia</i>
Wilson's Snipe	<i>Gallinago delicata</i>
Wilson's Storm-Petrel	<i>Oceanites oceanicus</i>
Wilson's Warbler	<i>Cardellina pusilla</i>
Winter Wren	<i>Troglodytes hiemalis</i>
Wood Duck	<i>Aix sponsa</i>
Wood Stork	<i>Mycteria americana</i>
Wood Thrush	<i>Hylocichla mustelina</i>
Worm-eating Warbler	<i>Helmitheros vermivorum</i>

Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>
Yellow-breasted Chat	<i>Icteria virens</i>
Yellow-crowned Night-Heron	<i>Nyctanassa violacea</i>
Yellow-headed Blackbird	<i>Xanthocephalus xanthocephalus</i>
Yellow-nosed Albatross	<i>Thalassarche chlororhynchus</i>
Yellow Rail	<i>Coturnicops noveboracensis</i>
Yellow-rumped Warbler	<i>Setophaga coronata</i>
Yellow-throated Vireo	<i>Vireo flavifrons</i>
Yellow-throated Warbler	<i>Setophaga dominica</i>
Yellow Warbler	<i>Setophaga petechia</i>
<u>MAMMALS:</u>	
Allegheny Woodrat	<i>Neotoma magister</i>
American Beaver	<i>Castor canadensis</i>
American Black Bear	<i>Ursus americanus</i>
American Mink	<i>Neogale vison mink</i>
American Mink	<i>Neogale vison vison</i>
American Pygmy Shrew	<i>Sorex hoyi</i>
American Water Shrew	<i>Sorex palustris</i>
Appalachian Cottontail	<i>Sylvilagus obscurus</i>
Big Brown Bat	<i>Eptesicus fuscus fuscus</i>
Black Rat *	<i>Rattus rattus *</i>
Black-tailed Jack Rabbit *	<i>Lepus californicus *</i>
Bobcat	<i>Lynx rufus floridanus</i>
Bobcat	<i>Lynx rufus rufus</i>
Brazilian Free-tailed Bat	<i>Tadarida brasiliensis cynocephala</i>
Carolina Northern Flying Squirrel	<i>Glaucomys sabrinus coloratus</i>
Common Gray Fox	<i>Urocyon cinereoargenteus</i>
Common Muskrat	<i>Ondatra zibethicus</i>
Cotton Mouse	<i>Peromyscus gossypinus</i>
Coyote	<i>Canis latrans</i>
Deer Mouse	<i>Peromyscus maniculatus</i>
Delmarva Peninsula Fox Squirrel	<i>Sciurus niger cinereus</i>
Dismal Swamp Short-tailed Shrew	<i>Blarina brevicauda telmalestes</i>
Dismal Swamp Southeastern Shrew	<i>Sorex longirostris fisheri</i>
Eastern Chipmunk	<i>Tamias striatus fisheri</i>

Eastern Chipmunk	<i>Tamias striatus striatus</i>
Eastern Cottontail	<i>Sylvilagus floridanus</i>
Eastern Fox Squirrel	<i>Sciurus niger niger</i>
Eastern Fox Squirrel	<i>Sciurus niger rufiventer</i>
Eastern Fox Squirrel	<i>Sciurus niger vulpinus</i>
Eastern Gray Squirrel	<i>Sciurus carolinensis carolinensis</i>
Eastern Gray Squirrel	<i>Sciurus carolinensis pennsylvanicus</i>
Eastern Harvest Mouse	<i>Reithrodontomys humulis</i>
Eastern Mole	<i>Scalopus aquaticus aquaticus</i>
Eastern Mole	<i>Scalopus aquaticus howelli</i>
Eastern Red Bat	<i>Lasiurus borealis</i>
Eastern Shrew	<i>Sorex cinereus fontinalis</i>
Eastern Small-footed Myotis	<i>Myotis leibii</i>
Eastern Spotted Skunk	<i>Spilogale putorius putorius</i>
Elk	<i>Cervus elaphus</i>
Evening Bat	<i>Nycticeius humeralis humeralis</i>
Fisher	<i>Pekania pennanti</i>
Golden Mouse	<i>Ochrotomys nuttalli</i>
Gray Bat	<i>Myotis grisescens</i>
Hairy-tailed Mole	<i>Parascalops breweri</i>
Hispid Cotton Rat	<i>Sigmodon hispidus</i>
Hoary Bat	<i>Lasiurus cinereus</i>
House Mouse *	<i>Mus musculus *</i>
Indiana Bat	<i>Myotis sodalis</i>
Least Shrew	<i>Cryptotis parva</i>
Least Weasel	<i>Mustela nivalis allegheniensis</i>
Little Brown Bat	<i>Myotis lucifugus</i>
Long-tailed (=Rock) Shrew	<i>Sorex dispar</i>
Long-tailed Weasel	<i>Neogale frenata noveboracensis</i>
Marsh Rabbit	<i>Sylvilagus palustris palustris</i>
Marsh Rice Rat	<i>Oryzomys palustris</i>
Masked Shrew	<i>Sorex cinereus cinereus</i>
Meadow Jumping Mouse	<i>Zapus hudsonius</i>
Meadow Vole	<i>Microtus pennsylvanicus</i>
Nine-banded Armadillo *	<i>Dasypus novemcinctus *</i>
North American Porcupine	<i>Erethizon dorsatus</i>
Northern Long-eared Bat	<i>Myotis septentrionalis</i>
Northern Raccoon	<i>Procyon lotor lotor</i>
Northern Raccoon	<i>Procyon lotor marinus</i>

Northern River Otter	<i>Lontra canadensis lataxina</i>
Northern Short-tailed Shrew	<i>Blarina brevicauda churchi</i>
Northern Short-tailed Shrew	<i>Blarina brevicauda kirtlandi</i>
Northern Yellow Bat	<i>Lasiurus intermedius</i>
Norway Rat *	<i>Rattus norvegicus</i> *
Nutria *	<i>Myocastor coypus</i> *
Pungo White-footed Mouse	<i>Peromyscus leucopus easti</i>
Rafinesque's Big-eared Bat	<i>Corynorhinus rafinesquii rafinesquii</i>
Rafinesque's Eastern Big-eared Bat	<i>Corynorhinus rafinesquii macrotis</i>
Red Fox	<i>Vulpes vulpes</i>
Red Squirrel	<i>Tamiasciurus hudsonicus abieticola</i>
Red Squirrel	<i>Tamiasciurus hudsonicus loquax</i>
Rock Vole	<i>Microtus chrotorrhinus</i>
Seminole Bat	<i>Lasiurus seminolus</i>
Sika Deer *	<i>Cervus nippon</i> *
Silver-haired Bat	<i>Lasionycteris noctivagans</i>
Small Eastern Flying Squirrel (Species level common name = Southern Flying Squirrel)	<i>Glaucomys volans volans</i>
Smoky Shrew	<i>Sorex fumeus</i>
Snowshoe Hare	<i>Lepus americanus</i>
Snowshoe Hare	<i>Lepus americanus virginianus</i>
Southeastern Flying Squirrel (Species level common name = Southern Flying Squirrel)	<i>Glaucomys volans saturatus</i>
Southeastern Myotis	<i>Myotis austroriparius</i>
Southern Bog Lemming	<i>Synaptomys cooperi</i>
Southern Red-backed Vole	<i>Myodes gapperi</i>
Southern Short-tailed Shrew	<i>Blarina carolinensis</i>
Southern Shrew	<i>Sorex longirostris longirostris</i>
Star-nosed Mole	<i>Condylura cristata cristata</i>
Striped Skunk	<i>Mephitis mephitis mephitis</i>
Striped Skunk	<i>Mephitis mephitis nigra</i>
Tri-colored Bat	<i>Perimyotis subflavus</i>
Virginia Big-eared Bat	<i>Corynorhinus (= Plecotus) townsendii virginianus</i>
Virginia Northern Flying Squirrel	<i>Glaucomys sabrinus fuscus</i>
Virginia Opossum	<i>Didelphis virginiana virginiana</i>
White-footed Mouse	<i>Peromyscus leucopus</i>
White-tailed Deer	<i>Odocoileus virginianus</i>
Woodchuck	<i>Marmota monax</i>
Woodland Jumping Mouse	<i>Napaeozapus insignis</i>
Woodland Vole	<i>Microtus pinetorum</i>

<u>MARINE MAMMALS:</u>	
Antillean Beaked Whale	<i>Mesoplodon europaeus</i>
Atlantic Spotted Dolphin	<i>Stenella frontails</i>
Atlantic White-sided Dolphin	<i>Lagenorhynchus acutus</i>
Blue Whale	<i>Balaenoptera musculus</i>
Bottlenose Dolphin	<i>Tursiops truncatus</i>
California Sea Lion	<i>Zalophus californianus</i>
Common Minke Whale	<i>Balaenoptera acutorostrada</i>
Dense-beaked Whale	<i>Mesoplodon densirostris</i>
Dwarf Sperm Whale	<i>Kogia simus</i>
Eden's Whale	<i>Balaenoptera edeni</i>
False Killer Whale	<i>Pseudorca crassidens</i>
Finback Whale	<i>Baleanoptera physalus</i>
Goose-beaked Whale	<i>Ziphius cavirostris</i>
Grampus	<i>Grampus griseus</i>
Harbor Porpoise	<i>Phocoena phocoena</i>
Harbor Seal	<i>Phoca vitulina vitulina</i>
Humpback Whale	<i>Megaptera novaeangliae</i>
Killer Whale	<i>Orcinus orca</i>
Long-finned Pilot Whale	<i>Globicephala melas</i>
North Atlantic Right Whale	<i>Eubalaena glacialis</i>
Pygmy Sperm Whale	<i>Kogia breviceps</i>
Rough-toothed Dolphin	<i>Steno bredanensis</i>
Saddleback Dolphin	<i>Delphinus delphis</i>
Sei Whale	<i>Balaenoptera borealis</i>
Short-finned Pilot Whale	<i>Globicephala macrorhynchus</i>
Sperm Whale	<i>Physeter catodon (=macrocephalus)</i>
Spinner Dolphin	<i>Stenella longirostris</i>
Striped Dolphin	<i>Stenella caeruleoalba</i>
True's Beaked Whale	<i>Mesoplodon mirus</i>
West Indian Manatee	<i>Trichechus manatus</i>
<u>MOLLUSKS:</u>	
<u>Freshwater Mussels:</u>	
Alewife Floater	<i>Utterbackiana implicata</i>

Appalachian Monkeyface (Pearlymussel)	<i>Theliderma sparsa</i>
Atlantic Pigtoe	<i>Fusconaia masoni</i>
Atlantic Spike	<i>Elliptio producta</i>
Birdwing Pearlymussel	<i>Lemiox rimosus</i>
Black Sandshell	<i>Ligumia recta</i>
Box Spike	<i>Elliptio cistellaeformis</i>
Brook Floater	<i>Alasmidonta varicosa</i>
Carolina Lance	<i>Elliptio angustata</i>
Carolina Slabshell	<i>Elliptio congaraea</i>
Cracking Pearlymussel	<i>Hemistena lata</i>
Creeper	<i>Strophitus undulatus</i>
Cumberlandian Combshell	<i>Epioblasma brevidens</i>
Cumberland Moccasinshell	<i>Medionidus conradicus</i>
Cumberland Monkeyface (Pearlymussel)	<i>Theliderma intermedia</i>
Deertoe	<i>Truncilla truncata</i>
Dromedary Pearlymussel	<i>Dromus dromas</i>
Dwarf Wedgemussel	<i>Alasmidonta heterodon</i>
Eastern Elliptio	<i>Elliptio complanata</i>
Eastern Floater	<i>Pyganodon cataracta</i>
Eastern Lampmussel	<i>Lampsilis radiata</i>
Eastern Pondhorn	<i>Uniomerus carolinianus</i>
Eastern Pondmussel	<i>Sagittunio nasutus</i>
Elephantear	<i>Elliptio crassidens</i>
Elktoe	<i>Alasmidonta marginata</i>
Fanshell	<i>Cyprogenia stegaria</i>
Fatmucket	<i>Lampsilis siliquoidea</i>
Finerayed Pigtoe	<i>Fusconaia cuneolus</i>
Fluted Kidneyshell	<i>Ptychobranhus subtentus</i>
Flutedshell	<i>Lasmigona costata</i>
Fragile Papershell	<i>Potamilus fragilis</i>
Giant Floater	<i>Pyganodon grandis</i>
Golden Riffleshell (Tan Riffleshell)	<i>Epioblasma aureola</i> (<i>Epioblasma florentina walker</i> (=E. walker))
Green Floater	<i>Lasmigona subviridis</i>
James Spinymussel	<i>Parvaspina collina</i>
Kidneyshell	<i>Ptychobranhus fasciolaris</i>
Littlewing Pearlymussel	<i>Pegias fabula</i>
Longsolid	<i>Fusconaia subrotunda</i>
Mountain Creekshell	<i>Leaunio vanuxemensis</i>
Mucket	<i>Actinonaias ligamentina</i>

Northern Lance	<i>Elliptio fisheriana</i>
Notched Rainbow	<i>Venustaconcha constricta</i>
Ohio Pigtoe	<i>Pleurobema cordatum</i>
Oyster Mussel	<i>Epioblasma capsaeformis</i>
Paper Pondshell	<i>Utterbackia imbecillis</i>
Pheasantshell	<i>Actinonaias pectorosa</i>
Pimpleback	<i>Cyclonaias pustulosa</i>
Pink Heelsplitter	<i>Potamilus alatus</i>
Pink Mucket (Pearlymussel)	<i>Lampsilis abrupta</i>
Pistolgrip	<i>Tritogonia verrucosa</i>
Plain Pocketbook *	<i>Lampsilis cardium</i> *
Pocketbook	<i>Lampsilis ovata</i>
Purple Lilliput	<i>Toxolasma lividum</i>
Purple Wartback	<i>Cyclonaias tuberculata</i>
Pyramid Pigtoe	<i>Pleurobema rubrum</i>
Rabbitsfoot (=Rough Rabbitsfoot)	<i>Theliderma cylindrica</i> (= <i>Quadrula cylindrica strigillata</i>)
Rainbow	<i>Cambarunio iris</i>
Rayed Bean	<i>Paetulunio fabalis</i> (<i>Villosa fabalis</i>)
Roanoke Slabshell	<i>Elliptio roanokensis</i>
Rough Pigtoe	<i>Pleurobema plenum</i>
Round Pigtoe	<i>Pleurobema sintoxia</i>
Sheepnose	<i>Plethobasus cyphyus</i>
Shiny Pigtoe	<i>Fusconaia cor</i>
Slabside Pearlymussel	<i>Pleuronaia dolabelloides</i>
Slippershell Mussel	<i>Alasmidonta viridis</i>
Snuffbox	<i>Epioblasma triquetra</i>
Spectaclecase	<i>Cumberlandia monodonta</i>
Spike	<i>Eurynia dilatata</i>
Tennessee Bean (Cumberland Bean and Purple Bean)	<i>Venustaconcha trabalis</i> (<i>Villosa trabalis</i> and <i>Villosa perpurpurea</i>)
Tennessee Clubshell	<i>Pleurobema oviforme</i>
Tennessee Heelsplitter	<i>Lasmigona holstonia</i>
Tennessee Pigtoe	<i>Pleuronaia barnesiana</i>
Threeridge	<i>Amblema plicata</i>
Tidewater Mucket	<i>Atlanticoncha ochracea</i>
Triangle Floater	<i>Alasmidonta undulata</i>
Variable Spike	<i>Elliptio icterina</i>
Wavyrayed Lampmussel	<i>Lampsilis fasciola</i>
Yellow Lampmussel	<i>Lampsilis cariosa</i>

Yellow Lance	<i>Elliptio lanceolata</i>
<u>SNAILS:</u>	
<u>Freshwater Snails:</u>	
Appalachian Rocksnail	<i>Leptoxis subglobosa</i>
Ash Gyro	<i>Gyraulus parvus</i>
Banded Mysterysnail	<i>Callinina georgianus</i>
Big-eared Radix*	<i>Radix auricularia*</i>
Blue Ridge Elimia	<i>Elimia shenandoa</i>
Blue Ridge Springsnail	<i>Fontigens orolibas</i>
Boreal Marstonia	<i>Marstonia lustrica</i>
Bottle Hornsnail	<i>Pleurocera gradata</i>
Brown Walker	<i>Pomatiopsis cincinnatiensis</i>
Buffalo Pebblesnail	<i>Gillia altilis</i>
Bugle Sprite	<i>Menetus dilatatus</i>
Carolina Physa	<i>Physella carolinae</i>
Chinese Mysterysnail*	<i>Cipangopaludina chinensis*</i>
Claiborne Physa	<i>Physella pomilia</i>
Club Elimia	<i>Elimia clavaeformis</i>
Coal Elimia	<i>Elimia aterina</i>
Creeping Ancyloid	<i>Ferrissia rivularis</i>
Crested Mudalia	<i>Leptoxis carinata</i>
Disc Sprite	<i>Dilatata brogniartiana</i>
Dusky Ancyloid	<i>Laevapex fuscus</i>
Dusky Fossaria	<i>Galba dalli</i>
Ebony Elimia	<i>Elimia ebum</i>
Excentric Ancyloid	<i>Hebetancyclus excentricus</i>
Flexed Gyro	<i>Gyraulus deflectus</i>
Fragile Ancyloid	<i>Ferrissia californica</i>
Golden Fossaria	<i>Galba obrussa</i>
Graceful Fossaria	<i>Galba exigua</i>
Gravel Elimia	<i>Elimia catenaria</i>
Henscomb Hydrobe	<i>Littoridinops tenuipes</i>
Japanese Mysterysnail*	<i>Cipangopaludina japonica*</i>
Lance Aplexa	<i>Sibirenauta elongata</i>
Lapped Elimia	<i>Elimia dislocata</i>
Marsh Fossaria	<i>Galba humilis</i>

Marsh Ramshorn	<i>Planorbella trivolvis</i>
Mimic Lymnaea	<i>Pseudosuccinea columella</i>
Morrison's Springsnail	<i>Fontigens morrisoni</i>
Mud Amnicola	<i>Amnicola limosus</i>
Mud Bithynia*	<i>Bithynia tentaculata*</i>
Organ Cavesnail	<i>Fontigens tartarea</i>
Pagoda Hornsnail	<i>Pleurocera uncialis</i>
Panhandle Pebblesnail	<i>Somatogyrus virginicus</i>
Piedmont Elimia	<i>Elimia virginica</i>
Piedmont Pondsnaill	<i>Ladislavella neopalustris</i>
Pointed Campeloma	<i>Campeloma decisum</i>
Potomac Springsnail	<i>Fontigens bottimeri</i>
Pygmy Fossaria	<i>Galba parva</i>
Rigid Lioplax	<i>Lioplax subcarinata</i>
Seep Mudalia	<i>Leptoxis dilatata</i>
Shale Pebblesnail	<i>Somatogyrus pennsylvanicus</i>
Sharp Sprite	<i>Promenetus exacuus</i>
Sharp-crest Elimia	<i>Elimia carinifera</i>
Silty Hornsnail	<i>Pleurocera canaliculata</i>
Skyline Caverns Snail	<i>Holsingeria sp. 1</i>
Slender Walker	<i>Pomatiopsis lapidaria</i>
Smooth Elimia	<i>Elimia simplex</i>
Smooth Mudalia	<i>Leptoxis virgata</i>
Spider Elimia	<i>Elimia arachnoidea</i>
Spiny Riversnail	<i>Io fluvialis</i>
Sprite Elimia	<i>Elimia proxima</i>
Squat Dusksnail	<i>Lyogyrus granum</i>
Tadpole Physa	<i>Physella gyrina</i>
Thankless Ghostsnail	<i>Holsingeria unthinksensis</i>
Thicklip Ramshorn	<i>Planorbula armigera</i>
Threeridge Valvata	<i>Valvata tricarinata</i>
Two-ridge Ramshorn	<i>Helisoma anceps</i>
Two-ridge Valvata	<i>Valvata bicarinata</i>
Wandering Physa	<i>Physella acuta</i>
Watercress Snail	<i>Fontigens nickliniana</i>
Wrinkled Marshsnail	<i>Hinkleyia caperata</i>
<u>Land Snails:</u>	

Alabama Threetooth	<i>Triodopsis alabamensis</i>
Amber Glass	<i>Perpolita electrina</i>
Angular Disc	<i>Discus catskillensis</i>
Appalachian Pillar	<i>Cochlicopa morseana</i>
Appalachian Thorn	<i>Carychium clappi</i>
Appalachian Tigersnail (= Appalachian Disc)	<i>Anguispira mordax</i>
Armed Snaggletooth	<i>Gastrocopta armifera</i>
Atlantic Threetooth	<i>Triodopsis juxtidentis</i>
Baffled Threetooth	<i>Triodopsis fraudulentata</i>
Balsam Globe	<i>Mesodon andrewsae</i>
Banded Globe	<i>Anguispira kochi</i>
Bark Snaggletooth	<i>Gastrocopta corticaria</i>
Barred Supercoil	<i>Paravitrea seradens</i>
Bidentate Dome	<i>Ventridens coelaxis</i>
Big-tooth Whitelip	<i>Neohelix dentifera</i>
Black Gloss	<i>Zonitoides nitidus</i>
Black Mantleslug	<i>Pallifera hemphilli</i>
Black Mountain Disc	<i>Discus nigrimontanus</i>
Black Striate	<i>Striatura ferrea</i>
Blade Vertigo	<i>Vertigo milium</i>
Blind Awlsnail	<i>Ceciliodes acicula</i>
Blotchy Mantleslug	<i>Megapallifera wetherbyi</i>
Bluegrass Snaggletooth	<i>Gastrocopta clappi</i>
Blunt Ambersnail	<i>Oxyloma retusum</i>
Bottleneck Snaggletooth	<i>Gastrocopta contracta</i>
Bright Glyph	<i>Glyphyalinia wheatleyi</i>
Brilliant Glyph	<i>Glyphyalinia praecox</i>
Bristled Slitmouth	<i>Stenotrema barbatum</i>
Broad-banded Forestsnail	<i>Allogona profunda</i>
Bronze Pinecone	<i>Strobilops aeneus</i>
Brown Bellytooth	<i>Gastrodonta interna</i>
Brown Garden Snail	<i>Cornu aspersum</i>
Brown Globelet	<i>Inflectarius kalmianus</i>
Brown Hive	<i>Euconulus fulvus</i>
Brown Spot	<i>Punctum blandianum</i>
Brown-spotted Mantleslug	<i>Philomycus venustus</i>
Brown Supercoil	<i>Paravitrea septadens</i>
Budded Threetooth	<i>Triodopsis tennesseensis</i>
Buttressed Threetooth	<i>Triodopsis rugosa</i>

Capital Vertigo	<i>Vertigo oscariana</i>
Carinate Slitmouth	<i>Stenotrema spinosum</i>
Carolina Mantleslug	<i>Philomycus carolinianus</i>
Carter Threetooth	<i>Triodopsis anteridon</i>
Carved Glyph	<i>Glyphyalinia indentata</i>
Cellar Glass-snail*	<i>Oxychilus cellarius*</i>
Changeable Mantleslug	<i>Megapallifera mutabilis</i>
Cherrystone Drop	<i>Hendersonia occulta</i>
Chesapeake Ambersnail	<i>Oxyloma subeffusum</i>
Cinnamon Covert	<i>Fumonelix wheatleyi</i>
Coastal-Plain Ambersnail	<i>Oxyloma effusum (=salleanum)</i>
Coastal Plain Disk	<i>Anguispira fergusonii</i>
Coastal Whitelip	<i>Neohelix solemi</i>
Comb Snaggletooth	<i>Gastrocopta pentodon</i>
Comb Supercoil	<i>Paravitrea dentilla</i>
Compound Coil	<i>Helicodiscus parallelus</i>
Copper Button Snail	<i>Mesomphix cupreus</i>
Copper Dome	<i>Ventridens theloides</i>
Costate Vallonia	<i>Vallonia costata</i>
Crested Snaggletooth	<i>Gastrocopta cristata</i>
Cricket Coil	<i>Helicodiscus hadenoecus</i>
Cumberland Liptooth	<i>Daedalocila plicata</i>
Cupped Vertigo Snail	<i>Vertigo clappi</i>
Dark-bodied Glass-snail*	<i>Oxychilus draparnaudi*</i>
Decollate Snail*	<i>Rumina decollata*</i>
Deep-tooth Shagreen	<i>Inflectarius rugeli</i>
Dentate Supercoil	<i>Paravitrea multidentata</i>
Depressed Glyph	<i>Glyphyalinia virginica</i>
Detritus Ambersnail	<i>Mediappendix oklahomarum</i>
Dimple Supercoil	<i>Paravitrea capsella</i>
Dished Threetooth	<i>Triodopsis vulgata</i>
Domed Disc	<i>Discus patulus</i>
Dusky Arion*	<i>Arion subfuscus*</i>
Dusky Button	<i>Mesomphix capnodes</i>
Dusky Mantleslug	<i>Philomycus batchi</i>
Eastern Melampus	<i>Melampus bidentatus</i>
Fat Hive	<i>Euconulus polygyratus</i>
File Thorn	<i>Carychium nannodes</i>
Fine-ribbed Striate	<i>Striatura milium</i>

Five-tooth Vertigo Snail	<i>Vertigo ventricosa</i>
Forest Disc	<i>Discus whitneyi</i>
Foster Mantleslug	<i>Pallifera fosteri</i>
Flamed Disk	<i>Anguispira alternata</i>
Flat Bladetooth	<i>Patera appressa</i>
Flat Button	<i>Mesomphix subplanus</i>
Flat Dome	<i>Ventridens suppressus</i>
Forest Disc	<i>Discus whitneyi</i>
Foster Mantleslug	<i>Pallifera fosteri</i>
Funnel Supercoil	<i>Paravitrea mira</i>
Furrowed Glyph	<i>Glyphyalinia luticola</i>
Garden Arion *	<i>Arion hortensis</i> *
Giant Gardenslug *	<i>Limax maximus</i> *
Glass Spot	<i>Punctum vitreum</i>
Glassy Grapeskin	<i>Vitrinizonites latissimus</i>
Globose Dome	<i>Ventridens ligera</i>
Glossy Covert	<i>Fumonelix christyi</i>
Glossy Dome	<i>Ventridens acerra</i>
Glossy Pillar	<i>Cochlicopa lubrica</i>
Glossy Supercoil	<i>Paravitrea placentula</i>
Golden Ambersnail	<i>Succinea wilsonii</i>
Golden Dome	<i>Ventridens arcellus</i>
Graceful Awlsnail	<i>Allopeas gracile</i>
Grand Globe	<i>Mesodon normalis</i>
Gray-foot Lancetooth	<i>Haplotrema concavum</i>
Grayfoot Mantleslug	<i>Philomycus bisdosus</i>
Green Dome	<i>Zonitoides elliotti</i>
Greenhouse Slug	<i>Milax gagates</i>
Grey Fieldslug	<i>Deroceras reticulatum</i>
Grovesnail	<i>Cepaea nemoralis</i>
Hairy Slitmouth	<i>Stenotrema hirsutum</i>
Hedgehog Arion	<i>Arion intermedius</i>
Highland Slitmouth	<i>Stenotrema altispira</i>
High-spire Column Snail	<i>Columella simplex</i>
Hill Glyph	<i>Glyphyalinia cumberlandiana</i>
Hollow Dome	<i>Ventridens lasmodon</i>
Honey Vertigo Snail	<i>Vertigo tridentata</i>
Ice Thorn	<i>Carychium exile</i>
Inland Slitmouth	<i>Stenotrema stenotrema</i>

Iroquois Vallonia	<i>Vallonia excentrica</i>
Lambda Snaggletooth	<i>Gastrocopta holzingeri</i>
Lamellate Spot	<i>Punctum smithi</i>
Lamellate Supercoil	<i>Paravitrea lamellidens</i>
Lovely Vallonia	<i>Vallonia pulchella</i>
Lowland Pillsnail	<i>Euchemotrema leai</i>
Magnolia Threetooth	<i>Triodopsis hopetonensis</i>
Malleated Vertigo	<i>Vertigo malleata</i>
Maryland Glyph	<i>Glyphyalinia raderi</i>
Maze Pinecone	<i>Strobilops labyrinthicus</i>
Meadow Slug	<i>Deroceras laeve</i>
Median Striate	<i>Striatura meridionalis</i>
Mimic Threetooth	<i>Triodopsis fallax</i>
Miniature Awlsnail *	<i>Subulina octona *</i>
Minute Gem	<i>Hawaiiia minuscula</i>
Mountain Disc	<i>Anguispira jessica</i>
Mouse Ear Snail	<i>Myosotella myosotis</i>
Mudbank Ambersnail	<i>Mediappendix vagans</i>
Natural Bridge Supercoil	<i>Paravitrea pontis</i>
Northern Threetooth	<i>Triodopsis tridentata</i>
Nubbin Three-Tooth	<i>Triodopsis obsoleta</i>
Obese Thorn	<i>Carychium exiguum</i>
Oldfield Coil	<i>Lucilla scintilla</i>
Oval Ambersnail	<i>Novisuccinea ovalis</i>
Ovate Vertigo	<i>Vertigo ovata</i>
Pale Glyph	<i>Glyphyalinia lewisiana</i>
Pale Mantleslug	<i>Pallifera dorsalis</i>
Palmetto Vertigo	<i>Vertigo oralis</i>
Perforate Dome	<i>Ventridens demissus</i>
Pinhole Threetooth	<i>Triodopsis messana</i>
Pittsylvania Threetooth	<i>Triodopsis burchi</i>
Plain Button	<i>Mesomphix inornatus</i>
Proud Globe	<i>Mesodon elevatus</i>
Pygmy Slitmouth	<i>Stenotrema pilula</i>
Pygmy Vertigo	<i>Vertigo pygmaea</i>
Pyramid Dome	<i>Ventridens intertextus</i>
Quick Gloss	<i>Zonitoides arboreus</i>
Ribbed Striate	<i>Pseudohyalinia exigua</i>
Ridge-And-Valley Slitmouth	<i>Stenotrema edwardsi</i>

Rotund Disc	<i>Discus rotundatus</i>
Round Supercoil	<i>Paravitrea reesei</i>
Rounded Dome	<i>Ventridens lawae</i>
Rubble Coil	<i>Helicodiscus lirellus</i>
Rust Glyph	<i>Glyphyalinia picea</i>
Sawtooth Disc	<i>Discus bryanti</i>
Sculpted Glyph	<i>Glyphyalinia rhoadsi</i>
Sculptured Dome	<i>Ventridens collisella</i>
Sealed Globelet	<i>Mesodon mitchellianus</i>
Severed Mantleslug	<i>Pallifera secreta</i>
Shaggy Coil	<i>Helicodiscus diadema</i>
Shagreen	<i>Inflectarius inflectus</i>
Sharp Awlsnail	<i>Opeas pyrgula</i>
Shrew Supercoil	<i>Paravitrea blarina</i>
Silk Hive	<i>Euconulus trochulus</i>
Slender Supercoil	<i>Paravitrea subtilis</i>
Slim Snaggletooth	<i>Gastrocopta pellucida</i>
Small Spot	<i>Punctum minutissimum</i>
Smallmouth Vertigo	<i>Vertigo parvula</i>
Smooth Bladetooth	<i>Patera laevior</i>
Smooth Button	<i>Mesomphix perlaevis</i>
Smooth Coil	<i>Lucilla singleyana</i>
Snowhill Ambersnail	<i>Mediappendis hubrichti</i>
Solid Glyph	<i>Glyphyalinia solida</i>
Southeastern Gem	<i>Hawaiiia alachuana</i>
Southeastern Whitelip	<i>Neohelix major</i>
Southern Pinecone	<i>Strobilops texasianus</i>
Spike-lip Crater	<i>Appalachina sayana</i>
Spiral Mountain Glyph	<i>Glyphyalinia carolinensis</i>
Spirit Supercoil	<i>Paravitrea hera</i>
Split-tooth Dome	<i>Ventridens virginicus</i>
Spruce Knob Threetooth	<i>Triodopsis picea</i>
Sterki's Granule	<i>Guppya sterkii</i>
Suborb Glyph	<i>Glyphyalinia sculptilis</i>
Suboval Ambersnail	<i>Mediappendix vermeta</i>
Swamp Vertigo	<i>Vertigo teskeyae</i>
Talus Coil	<i>Helicodiscus triodus</i>
Tapered Vertigo	<i>Vertigo elatior</i>
Temperate Coil	<i>Helicodiscus shimeki</i>

Thin Glyph	<i>Glyphyalinia cryptomphala</i>
Thin Pillar	<i>Cochlicopa lubricella</i>
Thin-lip Vallonia	<i>Vallonia perspectiva</i>
Threeband Gardenslug (=Valencia Slug) *	<i>Ambigolimax valentianus</i> *
Throaty Dome	<i>Ventridens gularis</i>
Tight Coil	<i>Helicodiscus notius</i>
Tiny Liptooth	<i>Lobosculum pustuloides</i>
Toga Mantleslug	<i>Philomycus togatus</i>
Toothed Globe	<i>Mesodon zaletus</i>
Toothed Hive	<i>Euconulus dentatus</i>
Trumpet Vallonia	<i>Vallonia parvula</i>
Twilight Coil	<i>Helicodiscus multidentis</i>
Upland Pillsnail	<i>Euchemotrema fraternum</i>
Variable Mantleslug	<i>Pallifera varia</i>
Variable Vertigo	<i>Vertigo gouldi</i>
Velvet Wedge	<i>Xolotrema denotatum</i>
Vineyard Snail	<i>Cermeuella virgata</i>
Virginia Bladetooth	<i>Patera panselenus</i>
Virginia Fringed Mountain Snail	<i>Polygyriscus virginianus</i>
Virginia Mantleslug	<i>Philomycus virginicus</i>
Wax Dome	<i>Ventridens cerinoideus</i>
White Snaggletooth	<i>Gastrocopta tappaniana</i>
Whitelip	<i>Neohelix albolabris</i>
White-lip Dagger Snail	<i>Pupoides albilabris</i>
White-lip Gardensnail *	<i>Cepaea hortensis</i> *
White-lip Globe	<i>Mesodon thyroidus</i>
Wild Hive	<i>Euconulus chersinus</i>
Winding Mantleslug	<i>Philomycus flexuolaris</i>
Wing Snaggletooth	<i>Gastrocopta procera</i>
Woody Mantleslug	<i>Pallifera megaphallica</i>
Wrinkled Button	<i>Mesomphix rugeli</i>
Wrinkled Helicellid	<i>Xeroplexa intersecta</i>
Yellow Dome	<i>Ventridens pilsbryi</i>
Yellow Globelet	<i>Mesodon clausus</i>
<u>Freshwater Fingernailclams:</u>	
Adam Peaclam	<i>Pisidium adamsi</i>
Chinese Basket Clam *	<i>Corbicula fluminea</i> *

Greater Eastern Peaclam	<i>Pisidium dubium</i>
Grooved Fingernailclam	<i>Sphaerium simile</i>
Herrington Fingernailclam	<i>Sphaerium occidentale</i>
Lake Fingernailclam	<i>Musculium lacustre</i>
Long Fingernailclam	<i>Musculium transversum</i>
Pond Fingernailclam	<i>Musculium securis</i>
Ridgedbeak Peaclam	<i>Pisidium compressum</i>
River Fingernailclam	<i>Sphaerium fabale</i>
Round Peaclam	<i>Pisidium equilaterale</i>
Shiny Peaclam	<i>Pisidium nitidum</i>
Striate Peaclam	<i>Pisidium punctiferum</i>
Striated Fingernailclam	<i>Sphaerium striatinum</i>
Swamp Fingernailclam	<i>Musculium partumeium</i>
Triangular Peaclam	<i>Pisidium variable</i>
Ubiquitous Peaclam	<i>Pisidium casertanum</i>
Walker Peaclam	<i>Pisidium walkeri</i>
<u>Marine/Brackish Water Mollusks (partial):</u>	
Common Atlantic Slippersnail	<i>Crepidula fornicata</i>
Convex Slippersnail	<i>Crepidula convexa</i>
Eastern Oyster	<i>Crassostrea virginica</i>
Hooked Mussel	<i>Ischadium recurvum</i>
Ribbled Mussel	<i>Geukensia demissa</i>
<u>CRUSTACEANS:</u>	
<u>Freshwater Crayfish:</u>	
Acuminate Crayfish	<i>Cambarus acuminatus</i>
Allegheny Crayfish	<i>Faxonius obscurus</i>
Allegheny Mountain Mudbug	<i>Cambarus fetzneri</i>
Angled Crayfish	<i>Cambarus angularis</i>
Appalachian Brook Crayfish	<i>Cambarus bartonii cavatus</i>
Atlantic Slope Crayfish	<i>Cambarus longulus</i>
Big Sandy Crayfish	<i>Cambarus callainus</i>
Big Stone Crayfish	<i>Cambarus magerae</i>
Big Water Crayfish	<i>Cambarus robustus</i>
Chowanoke Crayfish	<i>Faxonius virginianus</i>

Coalfields Crayfish	<i>Cambarus theepiensis</i>
Common Crayfish	<i>Cambarus bartonii bartonii</i>
Conhaway Crayfish	<i>Cambarus appalachiensis</i>
Devil Crayfish	<i>Lacunicambarus diogenes</i>
Digger Crayfish	<i>Creaserinus fodiens</i>
Longnose Crayfish	<i>Cambarus longirostris</i>
New River Crayfish	<i>Cambarus chasmodactylus</i>
Ozark Crayfish*	<i>Faxonius ozarkae*</i>
Red Swamp Crawfish *	<i>Procambarus clarkii *</i>
Reticulate Crayfish	<i>Faxonius erichsonianus</i>
Rock Crawfish	<i>Cambarus carinirostris</i>
Rusty Crayfish *	<i>Faxonius rusticus *</i>
Sanborn's Crayfish*	<i>Faxonius sanbornii*</i>
Southern White River Crawfish*	<i>Procambarus zonangulus*</i>
Spiny Scale Crayfish	<i>Cambarus jezerinaci</i>
Spiny Stream Crayfish**	<i>Faxonius cristavarius**</i>
Spinycheek Crayfish	<i>Faxonius limosus</i>
Surgeon Crayfish	<i>Faxonius forceps</i>
Tug Valley Crayfish	<i>Cambarus hatfieldi</i>
Upland Burrowing Crayfish	<i>Cambarus dubius</i>
Virile Crayfish *	<i>Faxonius virilis *</i>
White River Crawfish	<i>Procambarus acutus</i>
<u>Other Crustaceans (partial):</u>	
Alleghany County Cave Amphipod	<i>Stygobromus hoffmani</i>
Amphipod, No Common Name	<i>Crangonyx acicularis</i>
Appalachian Valley Cave Amphipod	<i>Crangonyx antennatus</i>
Bath County Cave Amphipod	<i>Stygobromus mundus</i>
Big Levels Spring Amphipod	<i>Stygobromus sp. 18</i>
Big White Amphipod	<i>Crangonyx gracilis</i>
Bigger's Cave Amphipod	<i>Stygobromus biggersi</i>
Bland County Amphipod	<i>Crangonyx fontinalis</i>
Blue Ridge Mountain Amphipod	<i>Stygobromus spinosus</i>
Burnsville Cove Cave Amphipod	<i>Stygobromus conradi</i>
Capital Area Groundwater Amphipod	<i>Stygobromus sextarius</i>
Cave Amphipod (Bath, Highland Co.), No Common Name	<i>Stygobromus sp. 20</i>
Cave Amphipod (Botetourt County), No Common Name	<i>Stygobromus sp. 10</i>

Cave Amphipod (Nelson County), No Common Name	<i>Stygobromus sp. 11</i>
Cave Amphipod (Patrick County), No Common Name	<i>Stygobromus sp. 13</i>
Cave Amphipod (Rockbridge County), No Common Name	<i>Stygobromus sp. 12</i>
Cave Amphipod (Scott Co.), No Common Name	<i>Stygobromus sp. 19</i>
Cave Amphipod (Shenandoah County), No Common Name	<i>Stygobromus sp. 9</i>
Clam Shrimp, No Common Name	<i>Eulimnadia sp. 1</i>
Copepod, No Common Name	<i>Acanthocyclops brevispinosus</i>
Copepod, No Common Name	<i>Acanthocyclops robustus s.l.</i>
Craig County Cave Amphipod	<i>Stygobromus estesi</i>
Cumberland Cave Amphipod	<i>Stygobromus cumberlandus</i>
Cumberland Gap Cave Amphipod	<i>Bactrurus angulus</i>
Cumberland Gap Cave Isopod	<i>Caecidotea cumberlandensis</i>
Cumberland Isopod	<i>Caecidotea sp. 7</i>
Dismal Swamp Isopod	<i>Caecidotea attenuatus</i>
Eastern Fairy Shrimp	<i>Eubbranchipus vernalis</i>
Eastern Grass Shrimp	<i>Palaemonetes paludosus</i>
Ephemeral Cave Amphipod	<i>Stygobromus ephemerus</i>
Finley's Cave Amphipod	<i>Stygobromus finleyi</i>
Freshwater Amphipod, No Common Name	<i>Crangonyx montanus</i>
Grayson Crayfish Ostracod	<i>Ascetoethere cosmata</i>
Greenbriar Valley Cave Isopod	<i>Caecidotea holsingeri</i>
Groundwater Amphipod, No Common Name	<i>Stygobromus sp. 15</i>
Helseley's Cave Amphipod	<i>Stygobromus sp. 16</i>
Henrot's Cave Isopod	<i>Caecidotea henroti</i>
Holman Fairy Shrimp	<i>Eubbranchipus holmanii</i>
Hupp's Hill Cave Amphipod	<i>Stygobromus hubbardi</i>
Incurved Cave Isopod	<i>Caecidotea incurva</i>
James Cave Amphipod	<i>Stygobromus abditus</i>
Lancaster County Amphipod	<i>Crangonyx baculispina</i>
Lee County Cave Amphipod	<i>Stygobromus leensis</i>
Lee County Cave Isopod	<i>Lirceus usdagalun</i>
Lee County Terrestrial Cave Isopod	<i>Ligidium elrodii leensis</i>
Luray Caverns Amphipod	<i>Stygobromus pseudospinosus</i>
Madison Cave Amphipod	<i>Stygobromus stegerorum</i>
Madison Cave Isopod	<i>Antrolana lira</i>
Massanutten Spring Amphipod	<i>Stygobromus sp. 17</i>
Maus' Cave Isopod	<i>Caecidotea mausi</i>
Montgomery County Cave Amphipod	<i>Stygobromus fergusonii</i>

Morrison's Cave Amphipod	<i>Stygobromus morrisoni</i>
Mount Rogers Groundwater Amphipod	<i>Stygobromus sp. 8</i>
Natural Bridge Cave Isopod	<i>Caecidotea bowmani</i>
New Castle Murder Hole Amphipod	<i>Stygobromus interitus</i>
Northern Spring Amphipod	<i>Gammarus pseudolimnaeus</i>
Northern Virginia Well Amphipod	<i>Stygobromus phreaticus</i>
Ohio Shrimp	<i>Macrobrachium ohione</i>
Phreatic Isopod	<i>Caecidotea phreatica</i>
Pittsylvania Well Amphipod	<i>Stygobromus obrutus</i>
Pizzini's Amphipod	<i>Stygobromus pizzinii</i>
Potomac Groundwater Amphipod	<i>Stygobromus tenuis</i>
Powell Valley Terrestrial Cave Isopod	<i>Amerigoniscus henroti</i>
Price's Cave Isopod	<i>Caecidotea pricei</i>
Racovitza's Terrestrial Cave Isopod	<i>Miktoniscus racovitzae</i>
Rappahannock Spring Amphipod	<i>Stygobromus foliatus</i>
Rock Creek Groundwater Amphipod	<i>Stygobromus kenki</i>
Rockbridge County Cave Amphipod	<i>Stygobromus baroodyi</i>
Round Hill Cave Amphipod	<i>Stygobromus mausi</i>
Rye Cove Isopod	<i>Lirceus culveri</i>
Scott County Terrestrial Cave Isopod	<i>Ligidium elrodii scottensis</i>
Shenandoah Mountain Spring Amphipod	<i>Stygobromus sp. 23</i>
Shenandoah Valley Cave Amphipod	<i>Stygobromus gracilipes</i>
Sherando Spinosoid Amphipod	<i>Stygobromus sp. 7</i>
Southwestern Virginia Cave Amphipod	<i>Stygobromus mackini</i>
Southwestern Virginia Cave Isopod	<i>Caecidotea recurvata</i>
Tennessee Valley Cave Isopod	<i>Caecidotea richardsonae</i>
Tidewater Amphipod	<i>Stygobromus indentatus</i>
Tidewater Interstitial Amphipod	<i>Stygobromus araeus</i>
Vandel's Cave Isopod	<i>Caecidotea vandeli</i>
<u>Marine/Brackish Water Crustaceans (partial):</u>	
Atlantic Ghost Crab	<i>Ocypode quadrata</i>
Black-fingered Mud Crab	<i>Panopeus herbstii</i>
Blue Crab	<i>Callinectes sapidus</i>
Daggerblade Grass Shrimp	<i>Palaemonetes pugio</i>
Flatback Mud Crab	<i>Eurypanopeus depressus</i>
Harris Mud Crab	<i>Rhithropanopeus harrisi</i>
Sand Shrimp	<i>Crangon septemspinosa</i>

Sand-dollar Pea Crab	<i>Dissoodactylus mellitae</i>
Say Mud Crab	<i>Dyspanopeus sayi</i>
Skeleton Shrimp	<i>Caprella sp.</i>
Squatter Pea Crab	<i>Tumidotheres maculatus</i>
<u>MILLIPEDES (PARTIAL):</u>	
Aeto Millipede	<i>Conotyla aeto</i>
Big Cedar Creek Millipede	<i>Brachoria falcifera</i>
Blowing Rock Millipede	<i>Cleidogona medialis</i>
Brooks Millipede	<i>Dixioria brooksi</i>
Cedar Millipede	<i>Brachoria cedra</i>
Celeno Millipede	<i>Conotyla celeno</i>
Cerberus Cave Millipede	<i>Pseudotremia cerberus</i>
Collinwood Millipede	<i>Brachoria mendota</i>
Culver's Cave Millipede	<i>Pseudotremia culveri</i>
Devault's Cave Millipede	<i>Pseudotremia inexpectata</i>
Duke Forest Xystodesmid	<i>Nannaria conservata</i>
Ellett Valley Pseudotremia	<i>Pseudotremia cavernarum</i>
Faithful Millipede	<i>Cleidogona fidelitor</i>
Ferguson's Cave Millipede	<i>Pseudotremia fergusonii</i>
Fisher Cave Millipede	<i>Pseudotremia piscator</i>
Harpoon Cave Millipede	<i>Pseudotremia jaculohamatum</i>
Hoffman's Cleidogonid Millipede	<i>Cleidogona hoffmani</i>
Hoffman's Xystodesmid Millipede	<i>Brachoria hoffmani</i>
Holsinger's Cave Millipede	<i>Pseudotremia johnholsingeri</i>
Hubbard's Cave Millipede	<i>Pseudotremia hubbardi</i>
Hungry Mother Millipede	<i>Brachoria ethotela</i>
Jones' Saltpetre Cave Millipede	<i>Pseudotremia salifodina</i>
Keeton's Millipede	<i>Brachoria laminata</i>
Laurel Creek Xystodesmid	<i>Sigmoria whiteheadi</i>
Loomis' Rough-backed Millipede	<i>Pseudotremia loomisi</i>
Mcgraw Gap Xystodesmid	<i>Nannaria ericacea</i>
Melinda Millipede	<i>Conotyla melinda</i>
Millipede (Elm Hill), No Common Name	<i>Aniulus sp. 1</i>
Millipede, No Common Name	<i>Abacion tessellatum</i>
Millipede, No Common Name	<i>Andrognathus corticarius</i>
Millipede, No Common Name	<i>Aniulus orientalis</i>
Millipede, No Common Name	<i>Aniulus sp. 1</i>

Millipede, No Common Name	<i>Apheloria tigana</i>
Millipede, No Common Name	<i>Apheloria virginiensis montana</i>
Millipede, No Common Name	<i>Apheloria virginiensis virginiensis</i>
Millipede, No Common Name	<i>Auturus erythropygus</i>
Millipede, No Common Name	<i>Boraria infesta</i>
Millipede, No Common Name	<i>Brachoria dentata</i>
Millipede, No Common Name	<i>Brachoria insolita</i>
Millipede, No Common Name	<i>Brachoria separanda</i>
Millipede, No Common Name	<i>Brachoria separanda calcaria</i>
Millipede, No Common Name	<i>Brachoria separanda hamata</i>
Millipede, No Common Name	<i>Brachoria separanda versicolor</i>
Millipede, No Common Name	<i>Brachycybe lecontii</i>
Millipede, No Common Name	<i>Buotus carolinus</i>
Millipede, No Common Name	<i>Cambala hubrichtii</i>
Millipede, No Common Name	<i>Cambala minor</i>
Millipede, No Common Name	<i>Chaetaspis albus</i>
Millipede, No Common Name	<i>Cherokia georgiana latassa</i>
Millipede, No Common Name	<i>Cleidogona lachesis</i>
Millipede, No Common Name	<i>Conotyia sp. 1</i>
Millipede, No Common Name	<i>Desmonus earlei</i>
Millipede, No Common Name	<i>Dixioria pela coronata (=D. coronata)</i>
Millipede, No Common Name	<i>Dixioria fowleri</i>
Millipede, No Common Name	<i>Euryurus leachi fraternus</i>
Millipede, No Common Name	<i>Gyalostethus monticolens</i>
Millipede, No Common Name	<i>Nannaria morrisoni</i>
Millipede, No Common Name	<i>Nannaria simplex</i>
Millipede, No Common Name	<i>Nannaria wilsoni</i>
Millipede, No Common Name	<i>Nopoiulus kochi</i>
Millipede, No Common Name	<i>Okeanobates americanus</i>
Millipede, No Common Name	<i>Onomeris underwoodi</i>
Millipede, No Common Name	<i>Orinisobates nigrrior</i>
Millipede, No Common Name	<i>Petaserpes rosalbus</i>
Millipede, No Common Name	<i>Petaserpes strictus</i>
Millipede, No Common Name	<i>Polyzonium rosalbum</i>
Millipede, No Common Name	<i>Polyzonium strictum</i>
Millipede, No Common Name	<i>Pseudopolydesmus paludicolous</i>
Millipede, No Common Name	<i>Pseudotremia alecto</i>
Millipede, No Common Name	<i>Pseudotremia armesi</i>
Millipede, No Common Name	<i>Pseudotremia deprehendor</i>

Millipede, No Common Name	<i>Pseudotremia hobbsi</i>
Millipede, No Common Name	<i>Pseudotremia momus</i>
Millipede, No Common Name	<i>Pseudotremia nodosa</i>
Millipede, No Common Name	<i>Pseudotremia princeps</i>
Millipede, No Common Name	<i>Pseudotremia sublevis</i>
Millipede, No Common Name	<i>Pseudotremia tuberculata</i>
Millipede, No Common Name	<i>Pseudotremia valga</i>
Millipede, No Common Name	<i>Rudiloria kleinpeteri</i>
Millipede, No Common Name	<i>Rudiloria trimaculata tortua</i>
Millipede, No Common Name	<i>Scytonotus virginicus</i>
Millipede, No Common Name	<i>Semionellus placidus</i>
Millipede, No Common Name	<i>Sigmoria latior latior</i>
Millipede, No Common Name	<i>Striaria causeyae</i>
Millipede, No Common Name	<i>Striaria columbiana</i>
Millipede, No Common Name	<i>Striaria granulosa</i>
Millipede, No Common Name	<i>Striaria sp. a</i>
Millipede, No Common Name	<i>Thalassisobates littoralis</i>
Millipede, No Common Name	<i>Trichomeris sinuata</i>
Millipede, No Common Name	<i>Trichopetalum dux</i>
Millipede, No Common Name	<i>Trichopetalum lunatum</i>
Millipede, No Common Name	<i>Trichopetalum packardi</i>
Millipede, No Common Name	<i>Trichopetalum weyeriense</i>
Millipede, No Common Name	<i>Trichopetalum whitei</i>
Millipede, No Common Name	<i>Uroblaniulus canadensis</i>
Millipede, No Common Name	<i>Uroblaniulus jerseyi</i>
Millipede (Burkes Garden), No Common Name	<i>Uroblaniulus sp. 1</i>
Millipede, No Common Name	<i>Virgoiulus minutus</i>
Orndorff's Cave Millipede	<i>Pseudotremia orndorffi</i>
Powell Mountain Millipede Sp 1	<i>Brachoria sp. 1</i>
Powell Mountain Millipede Sp 2	<i>Brachoria sp. 2</i>
Pumpkin-headed Cave Millipede	<i>Pseudotremia peponocranium</i>
Relictual Appalachian Millipede	<i>Rhysodesmus restans</i>
Roaring Branch Nannaria Millipede	<i>Nannaria sp. 1</i>
Roaring Branch Rough-backed Millipede	<i>Pseudotremia fremens</i>
Rye Cove Cave Millipede	<i>Pseudotremia ryensis</i>
Shenandoah Mountain Xystodesmid	<i>Nannaria shenandoah</i>
Smith Creek Xystodesmid	<i>Nannaria laminata</i>
Turner's Millipede	<i>Brachoria turneri</i>
Twisted-Gonopod Cave Millipede	<i>Pseudotremia contorta</i>

Venetia Millipede	<i>Conotyia venetia</i>
<u>CENTIPEDES (PARTIAL):</u>	
Centipede, Montane	<i>Escaryus cryptorobius</i>
Centipede, No Common Name	<i>Escaryus ethopus</i>
Centipede, No Common Name	<i>Nampabius turbator</i>
Centipede, Whitetop Mountain	<i>Escaryus orestes</i>
<u>INSECTS:</u>	
	<u>Buterflies & Moths:</u>
Aaron's Skipper	<i>Poanes aaroni</i>
Ailanthus Webworm Moth	<i>Atteva punctella</i>
American Copper	<i>Lycaena phlaeas</i>
American Lady	<i>Vanessa virginiensis</i>
American Snout	<i>Libytheana carinenta</i>
Angus' Underwing	<i>Catocala angusi</i>
Aphrodite Fritillary	<i>Speyeria aphrodite</i>
Appalachian Azure	<i>Celastrina neglectamajor</i>
Appalachian Brown	<i>Satyrodes appalachia</i>
Appalachian Grizzled Skipper	<i>Pyrgus wyandot</i>
Apple Sphinx	<i>Sphinx gordius</i>
Aralia Shoot Borer Moth	<i>Papaipema araliae</i>
Army Cutworm	<i>Euxoa auxiliaris</i>
Armyworm, No Common Name	<i>Pseudaletia unipuncta</i>
Arogos Skipper	<i>Atrytone arogos</i>
Ash Sphinx	<i>Manduca jasminearum</i>
Aster Borer Moth	<i>Papaipema impecuniosa</i>
Asteroid Moth	<i>Cucullia asteroides</i>
Atlantic Graphic Moth	<i>Drasteria graphica atlantica</i>
Atlantis Fritillary	<i>Speyeria atlantis</i>
Attentive Dart Moth	<i>Eueretagrotis attentata</i>
Aureolaria Seed Borer	<i>Pyrrhia aurantiago</i>
Azalea Sphinx	<i>Darapsa myron</i>
Baltimore Checkerspot	<i>Euphydryas phaeton</i>
Banded Hairstreak	<i>Satyrium calanus</i>
Banded Tussock Moth	<i>Halysidota tessellaris</i>

Barred Itame Moth	<i>Itame subcessaria</i>
Barred Yellow	<i>Eurema दौरा</i>
Barrens Dagger Moth	<i>Acronicta albarufa</i>
Barrens Itame	<i>Macaria (=Speranza) exonerata</i>
Beautiful Eutelia Moth	<i>Eutelia pulcherrima</i>
Bina Flower Moth	<i>Schinia bina</i>
Black Arches	<i>Melanchra assimilis</i>
Black Cutworm	<i>Agrotis ipsilon</i>
Black Dash	<i>Euphyes conspicua</i>
Black Swallowtail	<i>Papilio polyxenes</i>
Black Zipzag	<i>Panthea acronyctoides</i>
Black-dashed Hydriomena Moth	<i>Hydriomena divisaria</i>
Blinded Sphinx	<i>Paonias excaecatus</i>
Blueberry Gray	<i>Glena cognataria</i>
Bordered Apamea Moth	<i>Apamea finitima</i>
Boreal Fan Moth	<i>Brachionycha borealis</i>
Boston Dart Moth	<i>Euxoa bostoniensis</i>
Bracken Fern Borer Moth	<i>Papaipema pterisii</i>
Brazilian Skipper	<i>Calpodēs ethlius</i>
Bristly Cutworm Moth	<i>Lacinipolia renigera</i>
Broad-lined Erastria Moth	<i>Erastria coloraria</i>
Broad-winged Skipper	<i>Poanes viator</i>
Bronze Copper	<i>Lycaena hyllus</i>
Brown Elfin	<i>Callophrys augustinus</i>
Brown Flower Moth	<i>Schinia saturata</i>
Brown Pine Looper Moth	<i>Caripeta angustiorata</i>
Brown-lined Dart Moth	<i>Anaplectoides brunneomedia</i>
Buchholz's Gray Moth	<i>Hypomecis buchholzaria</i>
Buck Moth	<i>Hemileuca maia</i>
Cabbage White *	<i>Pieris rapae</i>
Cane Apamea Moth	<i>Apamea sp. 1</i>
Cane Moth, No Common Name	<i>Apameini new genus 1, sp. 1</i>
Cane Moth, No Common Name	<i>Apameini new genus 2, sp. 1</i>
Cane Moth, No Common Name	<i>Apameini new genus 2, sp. 2</i>
Cane Moth, No Common Name	<i>Apameini new genus 2, sp. 3</i>
Cane Moth, No Common Name	<i>Argillophora furcilla</i>
Cane Moth, No Common Name	<i>Franclemontia interrogans</i>
Cane Moth, No Common Name	<i>Leucania calidior</i>
Cane-boring Moth	<i>Acrapex relictā</i>

Carolina Road-skipper	<i>Amblyscirtes carolina</i>
Carolina Satyr	<i>Hermeuptychia sosybius</i>
Carolina Sphinx	<i>Manduca sexta</i>
Carus Skipper	<i>Polites carus</i>
Catalpa Sphinx	<i>Ceratomia catalpae</i>
Cecropia Silkmoth	<i>Hyalophora cecropia</i>
Chain Fern Borer Moth	<i>Papaipema stenocelis</i>
Checkered White	<i>Pontia protodice</i>
Chestnut Leaf Miner Moth	<i>Tischeria perplexa</i>
Chocolate Moth	<i>Acherdoa ferraria</i>
Clouded Skipper	<i>Lerema accius</i>
Clouded Sulphur	<i>Colias philodice</i>
Cloudless Sulphur	<i>Phoebis sennae</i>
Cobweb Skipper	<i>Hesperia metea</i>
Colona Moth	<i>Haploa colona</i>
Columbine Duskywing	<i>Erynnis lucilius</i>
Common Buckeye	<i>Junonia coenia</i>
Common Checkered-skipper	<i>Pyrgus communis</i>
Common Road-skipper	<i>Amblyscirtes vialis</i>
Common Sootywing	<i>Pholisora catullus</i>
Common Wood-nymph	<i>Cercyonis pegala</i>
Comstock's Sallow	<i>Feralia comstocki</i>
Coneflower Borer Moth	<i>Papaipema nelita</i>
Confused Cloudywing	<i>Thorybes confusus</i>
Consort Underwing	<i>Catocala consors sorsconi</i>
Coral Hairstreak	<i>Satyrium titus</i>
Creole Pearly-eye	<i>Enodia creola</i>
Crossline Skipper	<i>Polites origenes</i>
Currant Spanworm Moth	<i>Speranza ribearia</i>
Cypress Moth, No Common Name	<i>Cutina aluticolor</i>
Cypress Moth, No Common Name	<i>Cutina distincta</i>
Cypress Sphinx	<i>Isoparce cupressi</i>
Dagger Moth, No Common Name	<i>Acronicta brumosa</i>
Dagger Moth, No Common Name	<i>Acronicta tristis</i>
Dainty Sulphur	<i>Nathalis iole</i>
Dark Homochlodes Moth	<i>Homochlodes disconventa</i>
Dark Stoneroot Borer Moth	<i>Papaipema duplicata</i>
Dart Moth, No Common Name	<i>Euxoa declarata</i>
Dart Moth, No Common Name	<i>Euxoa fumalis</i>

Dart Moth, No Common Name	<i>Euxoa obeliscoides</i>
Dart Moth, No Common Name	<i>Pseudohermionassa tenuicula</i>
Delaware Skipper	<i>Anatrytone logan</i>
Delightful Bird-dropping Moth	<i>Acontia delecta</i>
Diana Fritillary	<i>Speyeria diana</i>
Dimorphic Eulithis Moth	<i>Eulithis molliculata</i>
Dingy Cutworm	<i>Feltia ducens</i>
Dion Skipper	<i>Euphyes dion</i>
Doll's Merolonch	<i>Merolonche dolli</i>
Dotted Skipper	<i>Hesperia attalus</i>
Double-banded Zale Moth	<i>Zale calycanthata</i>
Dreamy Duskywing	<i>Erynnis icelus</i>
Duke's Skipper	<i>Euphyes dukesi</i>
Dun Skipper	<i>Euphyes vestris</i>
Dusky Azure	<i>Celastrina nigra (=ebinina)</i>
Dusky Road-skipper	<i>Amblyscirtes alternata</i>
Dusted Skipper	<i>Atrytonopsis hianna</i>
Early Hairstreak	<i>Erora laeta</i>
Eastern Comma	<i>Polygonia comma</i>
Eastern Pine Elfin	<i>Callophrys niphon</i>
Eastern Tailed-blue	<i>Everes comyntas</i>
Eastern Tiger Swallowtail	<i>Papilio glaucus</i>
Edwards' Hairstreak	<i>Satyrium edwardsii</i>
Elfin Emerald	<i>Nemoria elfa</i>
Elm Sphinx	<i>Ceratomia amyntor</i>
Emerald Moth, No Common Name	<i>Nemoria mimosaria</i>
Eufala Skipper	<i>Lerodea eufala</i>
European Skipper *	<i>Thymelicus lineola</i>
Falcate Orangetip	<i>Anthocharis midea</i>
Fall Cankerworm	<i>Alsophila pometaria</i>
Fall Webworm	<i>Hyphantria cunea</i>
Fiery Skipper	<i>Hylephila phyleus</i>
Figwort Borer Moth	<i>Hydraecia stramentosa</i>
Fillet Dart Moth	<i>Euxoa redimicula</i>
Fingered Dagger Moth	<i>Acronicta dactylina</i>
Five-spotted Hawk Moth	<i>Manduca quinque maculata</i>
Flower Moth, No Common Name	<i>Schinia nubila</i>
Flower Moth, No Common Name	<i>Schinia siren</i>
Four-lined Cabera Moth	<i>Cabera quadrifasciaria</i>

Four-lined Chocolate Moth	<i>Argyrostroma quadrifilaris</i>
Franck's Sphinx	<i>Sphinx franckii</i>
Fraser Fir Geometrid	<i>Semiothisa fraserata</i>
Frosted Elfin	<i>Callophrys irus</i>
Funerary Dagger Moth	<i>Acronicta funeralis</i>
Gemmed Satyr	<i>Cyllopsis gemma</i>
Geometrid Moth, No Common Name	<i>Anticlea vasiliata</i>
Geometrid Moth, No Common Name	<i>Cyclophora myrtaria</i>
Geometrid Moth, No Common Name	<i>Cymatophora approximaria</i>
Geometrid Moth, No Common Name	<i>Dysstroma citrata</i>
Geometrid Moth, No Common Name	<i>Euchlaena marginaria</i>
Geometrid Moth, No Common Name	<i>Euchlaena muzaria</i>
Geometrid Moth, No Common Name	<i>Hydriomena bistriolata</i>
Geometrid Moth, No Common Name	<i>Idaea takturata</i>
Geometrid Moth, No Common Name	<i>Iridopsis pergracilis</i>
Geometrid Moth, No Common Name	<i>Itame abruptata</i>
Geometrid Moth, No Common Name	<i>Lophosis labeculata</i>
Geometrid Moth, No Common Name	<i>Lytrosis permagnaria</i>
Geometrid Moth, No Common Name	<i>Metarranthis amyrisaria</i>
Geometrid Moth, No Common Name	<i>Metarranthis mestusata</i>
Geometrid Moth, No Common Name	<i>Metarranthis sp. 1</i>
Geometrid Moth, No Common Name	<i>Orthofidonia exornata</i>
Geometrid Moth, No Common Name	<i>Pero zalissaria</i>
Geometrid Moth, No Common Name	<i>Semiothisa distribuaria</i>
Geometrid Moth, No Common Name	<i>Xanthorhoe iduata</i>
Georgia Satyr	<i>Neonympha areolatus</i>
German Cousin Moth	<i>Sideridis congermana</i>
Ghost Moth (No Common Name)	<i>Hepialus sciophanes</i>
Giant Swallowtail	<i>Papilio crespontes</i>
Goatweed Leafwing	<i>Anaea andria</i>
Golden-banded Skipper	<i>Autochton cellus</i>
Granitosa Fern Moth	<i>Callopietria granitosa</i>
Gray Hairstreak	<i>Strymon melinus</i>
Gray Sallow	<i>Psaphida grandis</i>
Great Ash Sphinx	<i>Sphinx chersis</i>
Great Purple Hairstreak	<i>Atlides halesus</i>
Great Southern White	<i>Ascia monuste</i>
Great Spangled Fritillary	<i>Speyeria cybele</i>
Green Arches	<i>Anaplectoides prasina</i>

Green Cloverworm Moth	<i>Plathypena scabra</i>
Green Comma	<i>Polygona faunus</i>
Grizzled Skipper	<i>Pyrgus wyandot</i>
Gulf Fritillary	<i>Agraulis vanillae nigrrior</i>
Hackberry Emperor	<i>Asterocampa celtis</i>
Harvester	<i>Feniseca tarquinius</i>
Hawthorn Underwing	<i>Catocala crataegi</i>
Hayhurst's Scallopwing	<i>Staphylus hayhurstii</i>
Hebard's Noctuid Moth	<i>Psectrotarsia hebardei</i>
Henry's Elfin	<i>Callophrys henrici</i>
Hermit Sphinx	<i>Sphinx eremitus</i>
Herodias Underwing,	<i>Catocala herodias</i>
Hesitant Dagger Moth	<i>Acronicta haesitata</i>
Hessel's Hairstreak	<i>Callophrys hesseli</i>
Hickory Hairstreak	<i>Satyrium caryaevorus</i>
Hoary Edge	<i>Achalarus lyciades</i>
Hoary Elfin	<i>Callophrys polios</i>
Hobomok Skipper	<i>Poanes hobomok</i>
Horace's Duskywing	<i>Erynnis horatius</i>
Hummingbird Clearwing	<i>Hemaris thysbe</i>
Hydrangea Sphinx	<i>Darapsa versicolor</i>
Imperial Moth	<i>Eacles imperialis</i>
Inconsolable Underwing	<i>Catocala insolabilis</i>
Indian Skipper	<i>Hesperia sassacus</i>
Io Moth	<i>Automeris io</i>
Juvenal's Duskywing	<i>Erynnis juvenalis</i>
King's Hairstreak	<i>Satyrium kingi</i>
Labrador Carpet	<i>Xanthorhoe labradorensis</i>
Lace-winged Road-skipper	<i>Amblyscirtes aesculapius</i>
Large Hypena Moth	<i>Hypena edictalis</i>
Large Looper Moth	<i>Autographa ampla</i>
Laurel Sphinx	<i>Sphinx kalmiae</i>
Leafcup Borer Moth	<i>Papaipema polymniae</i>
Least Skipper	<i>Ancyloxypha numitor</i>
Lemmer's Pinion Moth	<i>Lithophane lemmeri</i>
Leonard's Skipper	<i>Hesperia leonardus</i>
Little Glassywing	<i>Pompeius verna</i>
Little Metalmark	<i>Calephelis borealis</i>
Little Wood-satyr	<i>Megisto cymela</i>

Little Yellow	<i>Eurema lisa</i>
Long Dash	<i>Polites mystic</i>
Long-tailed Skipper	<i>Urbanus proteus</i>
Looper Moth	<i>Euchlaena milnei</i>
Luna Moth	<i>Actias luna</i>
Many-lined Carpet	<i>Anticlea multiferata</i>
Maple Spanworm Moth	<i>Ennomos magnaria</i>
Marbled Carpet	<i>Dysstroma truncata</i>
Marbled Underwing	<i>Catocala marmorata</i>
Maritime Zale Moth	<i>Zale sp. 3</i>
Meadow Fritillary	<i>Boloria bellona</i>
Meadow Rue Borer Moth	<i>Papaipema unimoda</i>
Merry Melipotis Moth	<i>Melipotis jucunda</i>
Messalina Underwing	<i>Catocala messalina</i>
Miranda Underwing	<i>Catocala miranda</i>
Mixed Dart Moth	<i>Euxoa immixta</i>
Modest Quaker Moth	<i>Ulolonche modesta</i>
Monarch	<i>Danaus plexippus</i>
Mother Underwing	<i>Catocala parta</i>
Mottled Duskywing	<i>Erynnis martialis</i>
Mottled Euchlaena Moth	<i>Euchlaena tigrinaria</i>
Mourning Cloak	<i>Nymphalis antiopa</i>
Mustard White	<i>Pieris napi</i>
Nameless Pinion Moth	<i>Lithophane innominata</i>
Nessus Sphinx	<i>Amphion floridensis</i>
New Jersey Tea Inchworm Moth	<i>Apodrepanulatrix liberaria</i>
Noctuid Moth, No Common Name	<i>Abrostola ovalis</i>
Noctuid Moth, No Common Name	<i>Amolita obliqua</i>
Noctuid Moth, No Common Name	<i>Apamea cariosa</i>
Noctuid Moth, No Common Name	<i>Apamea plutonia</i>
Noctuid Moth, No Common Name	<i>Aplectoides condita</i>
Noctuid Moth, No Common Name	<i>Argyrostroma deleta</i>
Noctuid Moth, No Common Name	<i>Argyrostroma sylvanum</i>
Noctuid Moth, No Common Name	<i>Chortodes inquinata</i>
Noctuid Moth, No Common Name	<i>Cucullia alfarata</i>
Noctuid Moth, No Common Name	<i>Cucullia florea</i>
Noctuid Moth, No Common Name	<i>Diachrysis balluca</i>
Noctuid Moth, No Common Name	<i>Emarginea percara</i>
Noctuid Moth, No Common Name	<i>Hadena ectypa</i>

Noctuid Moth, No Common Name	<i>Hyppa contrasta</i>
Noctuid Moth, No Common Name	<i>Lacinipolia lustralis</i>
Noctuid Moth, No Common Name	<i>Leucania commoides</i>
Noctuid Moth, No Common Name	<i>Lithacodia albidula</i>
Noctuid Moth, No Common Name	<i>Lithacodia sp. 1</i>
Noctuid Moth, No Common Name	<i>Meropleon cosmion</i>
Noctuid Moth, No Common Name	<i>Meropleon titan</i>
Noctuid Moth, No Common Name	<i>Metria amella</i>
Noctuid Moth, No Common Name	<i>Morrisonia sp. 1</i>
Noctuid Moth, No Common Name	<i>Oligia crytora</i>
Noctuid Moth, No Common Name	<i>Oligia exhausta</i>
Noctuid Moth, No Common Name	<i>Oxycilla mitographa</i>
Noctuid Moth, No Common Name	<i>Paectes abrostolella</i>
Noctuid Moth, No Common Name	<i>Pangrapta sp. 1</i>
Noctuid Moth, No Common Name	<i>Polychrysia morigera</i>
Noctuid Moth, No Common Name	<i>Properigea sp. 1</i>
Noctuid Moth, No Common Name	<i>Psaphida thaxterianus</i>
Noctuid Moth, No Common Name	<i>Richia grotei</i>
Noctuid Moth, No Common Name	<i>Trichosilia manifesta</i>
Noctuid Moth, No Common Name	<i>Zale curema</i>
Noctuid Moth, No Common Name	<i>Zale submediana</i>
Noctuid Moth, No Common Name	<i>Zanclognatha gypsalis</i>
Noctuid Moth, No Common Name	<i>Zanclognatha sp. 1</i>
Nondescript Dagger Moth	<i>Acronicta spinigera</i>
Northern Broken Dash	<i>Wallengrenia egeremet</i>
Northern Cloudywing	<i>Thorybes pylades</i>
Northern Crescent	<i>Phyciodes selenis</i>
Northern Hairstreak	<i>Fixsenia favonius ontario</i>
Northern Pearly-eye	<i>Enodia anhedon</i>
Northern Petrophora Moth	<i>Petrophora subaequaria</i>
Northern Pine Sphinx	<i>Lapara bombycoides</i>
Oblong Sedge Borer Moth	<i>Archanara oblonga</i>
Ocola Skipper	<i>Panoquina ocola</i>
Olive Angle Shades	<i>Phlogophora iris</i>
Olive Arches	<i>Lacinipolia olivacea</i>
Olive Juniper Hairstreak	<i>Callophrys gryneus</i>
Olympia Marble	<i>Euchloe olympia</i>
Orange Panopoda Moth	<i>Panopoda repanda</i>
Orange Sulphur	<i>Colias eurytheme</i>

Orange-barred Sulphur	<i>Phoebis philea</i>
Orangestriped Oakworm Moth	<i>Anisota senatoria</i>
Osmunda Stem Borer Moth	<i>Papaipema speciosissima</i>
Painted Lady	<i>Vanessa cardui</i>
Palamedes Swallowtail	<i>Papilio palamedes</i>
Palatka Skipper	<i>Euphyes pilatka</i>
Pale Metanema Moth	<i>Metanema inatomaria</i>
Pale Metarranthis Moth	<i>Metarranthis indeclinata</i>
Pandorus Sphinx	<i>Eumorpha pandorus</i>
Pearl Crescent	<i>Phyciodes tharos</i>
Pearly-winged Lichen Moth	<i>Crambidia casta</i>
Peck's Eupithecia Moth	<i>Eupithecia peckorum</i>
Peck's Skipper	<i>Polites peckius</i>
Pepper And Salt Road-skipper	<i>Amblyscirtes hegon</i>
Persius Duskywing	<i>Erynnis persius</i>
Pine Barrens Zale Moth	<i>Zale lunifera</i>
Pine Tussock Moth	<i>Dasychira pinicola</i>
Pine-devil Moth	<i>Citheronia sepulcralis</i>
Pinion Moth, No Common Name	<i>Lithophane lepida adipel</i>
Pink-edged Sulphur	<i>Colias interior</i>
Pink-streak Moth	<i>Faronta rubripennis</i>
Pink-striped Oakworm Moth	<i>Anisota virginiensis</i>
Pink-striped Willow Spanworm Moth	<i>Cabera variolaria</i>
Pipevine Swallowtail	<i>Battus philenor</i>
Plebeian Sphinx	<i>Paratrea plebeja</i>
Polyphemus Moth	<i>Antheraea polyphemus</i>
Precious Underwing (Moth)	<i>Catocala pretiosa pretiosa</i>
Primrose Moth	<i>Schinia florida</i>
Promethea Silkmoth	<i>Callosamia promethea</i>
Prominent Moth, No Common Name	<i>Heterocampa astarte</i>
Pure Lichen Moth	<i>Crambidia pura</i>
Putnam's Looper Moth	<i>Plusia putnami</i>
Puzzling Dagger Moth	<i>Acronicta subochrea</i>
Question Mark	<i>Polygonia interrogationis</i>
Radcliffe's Dagger Moth	<i>Acronicta radcliffei</i>
Rare Skipper	<i>Problema bulenta</i>
Rare Spring Moth	<i>Heliomata infulata</i>
Red Admiral	<i>Vanessa atalanta</i>
Red-banded Hairstreak	<i>Calycopis cecrops</i>

Red-spotted Lithacodia Moth	<i>Lithacodia concinnimacula</i>
Red-spotted Purple	<i>Limenitis arthemis astyanax</i>
Regal Fritillary	<i>Speyeria idalia</i>
Regal Moth	<i>Citheronia regalis</i>
Reversed Road-skipper	<i>Amblyscirtes reversa</i>
Robinson's Underwing	<i>Catocala robinsoni</i>
Rosy Maple Moth	<i>Dryocampa rubicunda</i>
Rustic Sphinx	<i>Manduca rustica</i>
Sachem	<i>Atalopedes campestris</i>
Sad Underwing	<i>Catocala maestosa</i>
Saint Francis' Satyr	<i>Neonympha mitchellii francisci</i>
Sallow Moth, No Common Name	<i>Pyrrhia adela</i>
Salt Marsh Skipper	<i>Panoquina panoquin</i>
Salt-and-pepper Looper Moth	<i>Syngrapha rectangula</i>
Sappho Underwing	<i>Catocala sappho</i>
Scholastic Dart Moth	<i>Euxoa scholastica</i>
Seaside Goldenrod Borer Moth	<i>Papaipema duovata</i>
Serene Underwing	<i>Catocala serena</i>
Shivering Pinion Moth	<i>Lithophane querquera</i>
Sigmoid Dart Moth	<i>Eueretagrotis sigmoides</i>
Silver-bordered Fritillary	<i>Boloria selene</i>
Silver-spotted Skipper	<i>Epargyreus clarus</i>
Silvery Blue	<i>Glaucopsyche lygdamus</i>
Silvery Checkerspot	<i>Chlosyne nycteis</i>
Sleepy Duskywing	<i>Erynnis brizo</i>
Sleepy Orange	<i>Eurema nicippe</i>
Sleepy Underwing	<i>Catocala concumbens</i>
Small-eyed Sphinx	<i>Paonias myops</i>
Smyth's Green Comma	<i>Polygonia faunus smythi</i>
Smyth's Apamea Moth	<i>Apamea smythi</i>
Snowberry Clearwing	<i>Hemerus diffinis</i>
Sordid Hypena Moth	<i>Hypena sordidula</i>
Southeastern Cane Borer Moth	<i>Papaipema sp 3</i>
Southern Broken-dash	<i>Wallengrenia otho</i>
Southern Cloudywing	<i>Thorybes bathyllus</i>
Southern Dogface	<i>Colias cesonia</i>
Southern Pearly-eye	<i>Enodia portlandia</i>
Southern Pine Sphinx	<i>Lapara coniferarum</i>
Southern Ptichodis Moth	<i>Ptichodis bistrigata</i>

Southern Spragueia Moth	<i>Spragueia dama</i>
Spear-marked Black Moth	<i>Rheumaptera hastata</i>
Spicebush Swallowtail	<i>Papilio troilus</i>
Splendid Dagger Moth	<i>Acronicta superans</i>
Spiny Oakworm Moth	<i>Anisota stigma</i>
Spring Azure	<i>Celastrina ladon</i>
Striped Hairstreak	<i>Satyrium liparops</i>
Subdued Quaker Moth	<i>Orthosia revicta</i>
Sunflower Borer Moth	<i>Papaipema necopina</i>
Swarthy Skipper	<i>Nastra lherminier</i>
Sweet (Or Quiet) Underwing	<i>Catocala dulciola</i>
Sweetbay Silkmoth	<i>Callosamia securifera</i>
Sweetfern Underwing	<i>Catocala antinympha</i>
Swift Setwing	<i>Dythemis velox</i>
Tawny Crescent	<i>Phyciodes batesii</i>
Tawny Emperor	<i>Asterocampa clyton</i>
Tawny-edged Skipper	<i>Polites themistocles</i>
Tersa Sphinx	<i>Xylophanes tersa</i>
Thin-lined Erastria Moth	<i>Erastria cruentaria</i>
Three-lined Balsa Moth	<i>Balsa tristrigella</i>
Tuliptree Silkmoth	<i>Callosamia angulifera</i>
Turtlehead Borer Moth	<i>Papaipema nepheleptena</i>
Tuscarora Emerald	<i>Nemoria tuscarora</i>
Tussock Moth, No Common Name	<i>Dasychira plagiata</i>
Two-spot Dart Moth	<i>Eueretagrotis perattenta</i>
Two-spotted Skipper	<i>Euphyes bimacula</i>
Ulalume Underwing	<i>Catocala ulalume</i>
Unexpected Cynia Moth	<i>Cynia collaris</i>
Variiegated Fritillary	<i>Euptoieta claudia</i>
Viceroy	<i>Limenitis archippus</i>
Violet Dart Moth	<i>Euxoa violaris</i>
Virginia Creeper Sphinx	<i>Darapsa myron</i>
Walnut Sphinx	<i>Laothoe juglandis</i>
Watson's Arugisa Moth	<i>Arugisa watsoni</i>
Waved Sphinx	<i>Ceratonia undulosa</i>
Welsh Wave Moth	<i>Venusia cambrica</i>
West Virginia White	<i>Pieris virginienensis</i>
Wetland Borer Moth, No Common Name	<i>Bellura anoa</i>
Wetland Borer Moth, No Common Name	<i>Bellura brehmei</i>

Wetland Borer Moth, No Common Name	<i>Bellura melanopyga</i>
Whirlabout	<i>Polites vibex</i>
White Admiral	<i>Limenitis arthemis arthemis</i>
White Eulithis Moth	<i>Eulithis explanata</i>
White M Hairstreak	<i>Parrhasius m-album</i>
White Underwing	<i>Catocala relictia</i>
Whitelined Sphinx	<i>Hyles lineata</i>
White-ribboned Carpet	<i>Mesoleuca ruficillata</i>
Wild Cherry Sphinx	<i>Sphinx drupiferarum</i>
Wild Indigo Duskywing	<i>Erynnis baptisiae</i>
Witch Hazel Dagger Moth	<i>Acronicta hamamelis</i>
Wood-colored Apamea Moth	<i>Apamea lignicolora</i>
Yehl Skipper	<i>Poanes yehl</i>
Yellow Stoneroot Borer Moth	<i>Papaipema astuta</i>
Yellow-edged Pygarctia Moth	<i>Pygarctia abdominalis</i>
Yellow-headed Lichen Moth	<i>Crambidia cephalica</i>
Yellow-striped Armyworm Moth	<i>Spodoptera ornithogalli</i>
Young's Dart Moth	<i>Xestia youngii</i>
Zabulon Skipper	<i>Poanes zabulon</i>
Zale Moth, No Common Name	<i>Zale sp. 2</i>
Zarucco Duskywing	<i>Erynnis zarucco</i>
Zebra Swallowtail	<i>Eurytides marcellus</i>
<u>All Other Insects (Partial):</u>	
Acuminate Water Boatman	<i>Ramphocorixa acuminata</i>
Allegheny Clubtail	<i>Ophiogomphus incurvatus alleghaniensis</i>
Allegheny Mayfly	<i>Ameletus cryptostimulus</i>
Allegheny River Cruiser	<i>Macromia alleghaniensis</i>
American Burying Beetle	<i>Nicrophorus americanus</i>
American Stag Beetle	<i>Lucanus elaphus</i>
Appalachian Grasshopper	<i>Appalachia hebaridi</i>
Appalachian Rhyacophilid Caddisfly	<i>Rhyacophila appalachia</i>
Appalachian Snaketail	<i>Ophiogomphus incurvatus incurvatus</i>
Arrow Clubtail	<i>Stylurus spiniceps</i>
Arrowhead Spiketail	<i>Cordulegaster obliqua</i>
Ashy Clubtail	<i>Gomphus lividus</i>
Asiatic Garden Beetle	<i>Maladera castanea</i>
Assassin Bug, No Common Name	<i>Ctenotrachelus brimleyi</i>

Assassin Bug, No Common Name	<i>Gnathobleda litigiosa</i>
Assassin Bug, No Common Name	<i>Ploiaria hirticornis</i>
Assassin Bug, No Common Name	<i>Pnirontis brimleyi</i>
Assassin Bug, No Common Name	<i>Pnirontis languida</i>
Atlantic Bluet	<i>Enallagma doubledayi</i>
Attenuated Bluet	<i>Enallagma daeckii</i>
Aurora Damsel	<i>Chromagrion conditum</i>
Avernus Cave Beetle	<i>Pseudanophthalmus avernus</i>
Azure Bluet	<i>Enallagma aspersum</i>
Banded Pennant	<i>Celithemis fasciata</i>
Banner Cave Beetle	<i>Pseudanophthalmus sp. 9</i>
Banner Clubtail	<i>Hylogomphus apomyius</i>
Barrens Tiger Beetle	<i>Cicindela patruela</i>
Beartown Perlodid Stonefly	<i>Isoperla major</i>
Beaverpond Baskettail	<i>Epitheca canis</i>
Beaverpond Clubtail	<i>Phanogomphus borealis</i>
Beetle, No Common Name	<i>Nemadus horni</i>
Beetle, No Common Name	<i>Paralichas trivittis</i>
Beetle, No Common Name	<i>Sosylus costatus</i>
Benfield's Bearded Small Minnow Mayfly	<i>Barbaetis benfieldi</i>
Bent Forestfly	<i>Ostrocerca prolongata</i>
Berner's Ephemerella Mayfly	<i>Tsalia beneri</i>
Big Bluet	<i>Enallagma durum</i>
Black Lordithon Rove Beetle	<i>Lordithon niger</i>
Black Stalk-eyed Bug	<i>Isthmocorius piceus</i>
Black-tipped Darner	<i>Aeshna tuberculifera</i>
Black Turfgrass Ataenius	<i>Ataenius spretulus</i>
Blackwater Bluet	<i>Enallagma weewa</i>
Blue Ridge Sallfly	<i>Alloperla stipitata</i>
Blue Ridge Snowfly	<i>Allocapnia stannardi</i>
Blue Ridge Springfly	<i>Remenus kirchneri</i>
Blue Ridge Stonefly	<i>Perlesta frisoni</i>
Blue-fronted Dancer	<i>Argia apicalis</i>
Blue-tipped Dancer	<i>Argia tibialis</i>
Brook Snaketail	<i>Ophiogomphus aspersus</i>
Brown Spiketail	<i>Cordulegaster bilineata</i>
Buffalo Mountain Mealybug	<i>Puto kosztarabi</i>
Bumble Bee	<i>Bombus pensylvanicus</i>
Bumble Flower Beetle	<i>Euphoria inda</i>

Burgundy Bluet	<i>Enallagma dubium</i>
Burkes Garden Cave Beetle	<i>Pseudanophthalmus hortulanus</i>
Burnsville Cove Cave Beetle	<i>Pseudanophthalmus sp. 8</i>
Burrower Bug, No Common Name	<i>Melanaethus cavicollis</i>
Burrower Bug, No Common Name	<i>Tominotus communis</i>
Burying Beetle, No Common Name	<i>Nicrophorus defodiens</i>
Caddisfly, No Common Name	<i>Heteroplectron americanum</i>
Cahaba Sand-filtering Mayfly	<i>Homoeoneuria cahabensis</i>
Calico Pennant	<i>Celithemis elisa</i>
Canada Darner	<i>Aeshna canadensis</i>
Carolina Big-headed Tiger Beetle	<i>Megacephala carolina</i>
Carolina Burying Beetle	<i>Nicrophorus carolinus</i>
Carolina Salmonfly	<i>Pteronarcys scotti</i>
Carolina Spreadwing	<i>Lestes vidua</i>
Carolina Thread-legged Bug	<i>Ploiaria carolina</i>
Carrot Beetle	<i>Tomarus (Ligyris) gibbosus</i>
Catawba Cave Beetle	<i>Pseudanophthalmus sp. 12</i>
Cave Fly, No Common Name	<i>Spelobia tenebrarum</i>
Cave Pselaphid Beetle, No Common Name	<i>Arianops jeanneli</i>
Chalk-fronted Corporal Skimmer	<i>Ladona julia</i>
Chapman's Shore Bug	<i>Isocytus chapmani</i>
Cherokee Clubtail	<i>Stenogomphuruss consanguis</i>
Cinnamon Shadowdragon	<i>Neurocordulia virginensis</i>
Clamp-tipped Emerald	<i>Somatochlora tenebrosa</i>
Clover Hollow Cave Beetle	<i>Pseudanophthalmus gracilis</i>
Cobblestone Tiger Beetle	<i>Cicindela marginipennis</i>
Cobra Clubtail	<i>Gomphus vastus</i>
Combneck Assassin Bug	<i>Ctenotrachelus shermani</i>
Common Spreadwing	<i>Lestes disjunctus</i>
Common Stonefly	<i>Acroneuria abnormis</i>
Coppery Emerald	<i>Somatochlora georgiana</i>
Crossroads Cave Beetle	<i>Pseudanophthalmus intersectus</i>
Cryptic Willowfly	<i>Taeniopteryx nelsoni</i>
Cumberland Gap Cave Beetle	<i>Pseudanophthalmus hirsutus</i>
Deceptive Cave Beetle	<i>Pseudanophthalmus deceptivus</i>
Delicate Cave Beetle	<i>Pseudanophthalmus delicatus</i>
Delta-spotted Spiketail	<i>Cordulegaster diastatops</i>
Dismal Swamp Green Stink Bug	<i>Chlorochroa dismalia</i>
Dorbeetle	<i>Geotrupes (Anoplotrupes) balyi</i>

Dot-tailed Whiteface	<i>Leucorrhinia intacta</i>
Double-ringed Pennant	<i>Celithemis verna</i>
Double-striped Bluet	<i>Enallagma basidens</i>
Drake's Water Scorpion	<i>Ranatra drakei</i>
Dublin Cave Beetle	<i>Pseudanophthalmus sp. 7</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Aegialia blanchardi</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Aegialia humeralis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Aidophus parvus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Anomala binotata</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Anomala flavipennis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Anomala innuba</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Anomala lucicola</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Anomala marginata</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Anomala undulata</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Aphonus castaneus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Aphonus densicauda</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Aphonus tridentatus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Aphotaenius carolinus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius abditus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius alternatus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius apicalis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius brevis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius cylindrus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius fattigi</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius figurator</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius glaseri</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius gracilis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius imbricatus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius insculptus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius miamii</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius ovatulus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius platensis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius simulator</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius strigatus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ataenius wenzelii</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ateuchus histeroides</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Ateuchus lecontei</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Canthon chalcites</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Canthon probus</i>

Dung or Chafer Beetle, No Common Name (Scarab)	<i>Canthon vigilans</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Canthon viridis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Cremastocheilus (Cremastocheilus) castaneus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Cremastocheilus (Cremastocheilus) harrisii</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Cremastocheilus (Cremastocheilus) variolosus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Cyclocephala lurida</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Deltochilum gibbosum</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Dialytellus dialytoides</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Dialytellus humeralis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Dialytes striatulus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Dialytes truncatus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Dialytes ulkei</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Dichotomius carolinus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Dyscinetus morator</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Euphoria herbacea</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Euphoria sepulcralis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Eutheola humilis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Gnorimella maculosa</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Hornietus ventralis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Melanocanthon bispinatus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Neopsammadius interruptus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Odontopsammadius bidens</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Onthophagus hecate</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Onthophagus nuchicornis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Onthophagus oklahomensis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Onthophagus orpheus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Onthophagus orpheus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Onthophagus pennsylvanicus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Onthophagus striatulus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Onthophagus subaeneus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Onthophagus taurus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Onthophagus tuberculifrons</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Osmoderma eremicola</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Osmoderma scabra</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Parastasia brevipes</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Phileurus valgus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Platyomus atlanticus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Platyomus notialis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Pleurophorus caesus</i>

Dung or Chafer Beetle, No Common Name (Scarab)	<i>Psammodius basalis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Psammodius laevipennis</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Pseudataenius contortus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Pseudocanthon perplexus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Psilocnemis leucosticta</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Rhyssemus scaber</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Stephanuca areata</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Strigoderma arvicola</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Tomarus (Ligyrodes) relictus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Trichiotinus bibens</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Trichiotinus lunulatus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Trichiotinus piger</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Valgus canaliculatus</i>
Dung or Chafer Beetle, No Common Name (Scarab)	<i>Valgus seticollis</i>
Dung or Chafer Beetle, No Common Name (Scarab))	<i>Copris fricator</i>
Dung or Chafer Beetle, No Common Name (Scarab))	<i>Cremastocheilus (Cremastocheilus) canaliculatus</i>
Dung or Chafer Beetle, No Common Name (Scarab))	<i>Onthophagus concinnus</i>
Dusky Sallfly	<i>Alloperla biserrata</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Bolboceras cornigerus</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Bolboceras darlingtoni</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Bolboceras liebecki</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Bolboceras thoracicornis</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Bolbocerosoma farctum</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Bolbocerosoma tumefactum</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Bradycinetulus ferrugineus</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Eucanthus impressus</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Eucanthus lazarus</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Eucanthus subtropicus</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Geotrupes (Anoplotrupes) hornii</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Geotrupes (Cnemotrupes) blackburnii</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Geotrupes (Cnemotrupes) egeriei</i>

Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Geotrupes (Cnemotrupes) ulkei</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Geotrupes (Onychotrupes) semiopacus</i>
Earth-boring Dung Beetle, No Common Name (Scarab)	<i>Geotrupes (Onychotrupes) splendidus</i>
Eastern Hercules Beetle	<i>Dynastes tityus</i>
Eastern Saltmarsh Mosquito	<i>Aedes sollicitans</i>
Eastern Treehole Mosquito	<i>Aedes triseriatus</i>
Eastern Tumblebug	<i>Canthon pilularis</i>
Ebony Jewelwing	<i>Calopteryx maculata</i>
Elegant Spreadwing	<i>Lestes inaequalis</i>
Elfin Skimmer	<i>Nannothemis bella</i>
Elk Garden Cave Beetle	<i>Pseudanophthalmus sp. 42</i>
Ellett Valley Cave Beetle	<i>Pseudanophthalmus pusio</i>
Elusive Clubtail	<i>Stylurus notatus</i>
Emerald Spreadwing	<i>Lestes dryas</i>
Faded Pennant	<i>Celithemis ornata</i>
Familiar Bluet	<i>Enallagma civile</i>
Fine-lined Emerald	<i>Somatochlora filosa</i>
Flat Bark Beetle, No Common Name	<i>Hemipeplus microphthalmus</i>
Flat-horned Ground Beetle, No Common Name	<i>Helluomorphoides nigripennis</i>
Flightless Tiger Beetle	<i>Cicindela unipunctata</i>
Flower Beetle	<i>Trichiotinus affinis</i>
Flower Scarab	<i>Trigonopeltastes delta</i>
Frosted Whiteface	<i>Leucorrhinia frigida</i>
Gammon's Riffle Beetle	<i>Stenelmis gammoni</i>
Georgia Isonychia Mayfly	<i>Isonychia georgiae</i>
Gipsy Cuckoo-bee	<i>Bombus bohemicus</i>
Goldsmith Beetle	<i>Cotalpa lanigera</i>
Greears Cave Beetle	<i>Pseudanophthalmus sp. 4</i>
Green-faced Clubtail	<i>Hylogomphus viridifrons</i>
Green-striped Darner	<i>Aeshna verticalis</i>
Ground Beetle, No Common Name	<i>Cyclotrachelus incisus</i>
Ground Beetle, No Common Name	<i>Dicaelus sculptilis</i>
Ground Beetle, No Common Name	<i>Pentagonica picticornis</i>
Ground Beetle, No Common Name	<i>Phloeoxena signata</i>
Ground Beetle, No Common Name	<i>Pseudaptinus lecontei</i>
Ground Beetle, No Common Name	<i>Thalpius pygmaeus</i>
Hagen's Bluet	<i>Enallagma hageni</i>
Halloween Pennant	<i>Celithemis eponina</i>

Harpoon Clubtail	<i>Gomphus desertus</i>
Hercules Club Stink Bug	<i>Elasmotethus atricornis</i>
Highlands Springfly	<i>Yugus arinus</i>
Hoffman's Cave Beetle	<i>Pseudanophthalmus hoffmani</i>
Hoffman's Isonychia Mayfly	<i>Isonychia hoffmani</i>
Holsinger's Cave Beetle	<i>Pseudanophthalmus holsingeri</i>
Holston Sallfly	<i>Sweltsa holstonensis</i>
Horned Passalus	<i>Odontotaenius disjunctus</i>
Howden's Copris Scarab Beetle	<i>Copris howdeni</i>
Hubbard's Cave Beetle	<i>Pseudanophthalmus hubbardi</i>
Hubricht's Cave Beetle	<i>Pseudanophthalmus hubrichti</i>
Hudsonian Whiteface	<i>Leucorrhinia hudsonica</i>
Hydropsychid Caddisfly, No Common Name	<i>Hydropsyche betteni</i>
Illinois Snowfly	<i>Allocapnia illinoensis</i>
Immodest Spur-throat Grasshopper	<i>Melanoplus impudicus</i>
Indian Cave Beetle	<i>Pseudanophthalmus sp. 10</i>
Jane's Meadowhawk	<i>Sympetrum janeae</i>
Jefferson's Short-nosed Scorpionfly	<i>Brachyanorpa jeffersoni</i>
Johnson's Prongbill Mayfly	<i>Leptophlebia johnsoni</i>
Kanawhole Springfly	<i>Diploperla kanawholensis</i>
Karl's Pit Cave Beetle	<i>Pseudanophthalmus sp. 14</i>
Lamellicorn Beetle, No Common Name (Scarab)	<i>Strigoderma pygmaea</i>
Lancet Clubtail	<i>Gomphus exilis</i>
Lance-tipped Darner	<i>Aeshna constricta</i>
Laura's Clubtail	<i>Stylurus laurae</i>
Leaf Beetle, No Common Name	<i>Diabrotica cristata</i>
Leaf Beetle, No Common Name	<i>Pseudolampsis guttata</i>
Leaf Beetle, No Common Name	<i>Calligrapha pnirsa</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius badipes</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius bicolor</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius campestris</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius crassulus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius distinctus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius erraticus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius femoralis</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius fimetarius</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius fossor</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius granarius</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius haemorrhoidalis</i>

Lesser Dung Beetle, No Common Name	<i>Aphodius lentus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius leopardus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius lividus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius lutulentus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius phalerioides</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius prodromus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius pseudolividus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius robinsoni</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius rubeolus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius rubripennis</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius rufipes</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius rusicola</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius serval</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius stercorosus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius stupidus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius sylvanicus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius tenellus</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius terminalis</i>
Lesser Dung Beetle, No Common Name	<i>Aphodius vittatus</i>
Lilypad Clubtail	<i>Arigomphus furcifer</i>
Limnephilid Caddisfly, No Common Name	<i>Anabolia apora</i>
Limnephilid Caddisfly, No Common Name	<i>Nemotaulius hostilis</i>
Little Kennedy Cave Beetle	<i>Pseudanophthalmus cordicollis</i>
Lobed Roachfly	<i>Tallaperla lobata</i>
Long-headed Cave Beetle	<i>Pseudanophthalmus longiceps</i>
Long-horned Beetle, No Common Name	<i>Anthophylax hoffmani</i>
Long-horned Beetle, No Common Name	<i>Urographis triangulifer</i>
Maiden Spring Cave Beetle	<i>Pseudanophthalmus virginicus</i>
Maine Snaketail	<i>Ophiogomphus mainensis</i>
Manassas Stonefly	<i>Acroneuria flinti</i>
Mantled Baskettail	<i>Epithea semiaquea</i>
Marsh Bluet	<i>Enallagma ebrium</i>
Martha's Pennant	<i>Celithemis martha</i>
Maureen's Hydraenan Minute Beetle	<i>Hydraena maureenae</i>
May Beetle or June Bug, No Common Name	<i>Dichelonyx albicollis</i>
May Beetle or June Bug, No Common Name	<i>Dichelonyx diluta</i>
May Beetle or June Bug, No Common Name	<i>Dichelonyx fuscula</i>
May Beetle or June Bug, No Common Name	<i>Dichelonyx linearis</i>
May Beetle or June Bug, No Common Name	<i>Dichelonyx subvittata</i>

May Beetle or June Bug, No Common Name	<i>Diplotaxis atlantis</i>
May Beetle or June Bug, No Common Name	<i>Diplotaxis bidentata</i>
May Beetle or June Bug, No Common Name	<i>Diplotaxis frondicola</i>
May Beetle or June Bug, No Common Name	<i>Diplotaxis harperi</i>
May Beetle or June Bug, No Common Name	<i>Diplotaxis liberta</i>
May Beetle or June Bug, No Common Name	<i>Diplotaxis punctatorugosa</i>
May Beetle or June Bug, No Common Name	<i>Diplotaxis sordida</i>
May Beetle or June Bug, No Common Name	<i>Diplotaxis subcostata</i>
May Beetle or June Bug, No Common Name	<i>Hoplia equina</i>
May Beetle or June Bug, No Common Name	<i>Hoplia modesta</i>
May Beetle or June Bug, No Common Name	<i>Hoplia trifasciata</i>
May Beetle or June Bug, No Common Name	<i>Hoplia trivialis</i>
May Beetle or June Bug, No Common Name	<i>Macrodactylus angustata</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) aemula</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) anxia</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) apicata</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) balia</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) barda</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) crenulata</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) debilis</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) diffinis</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) dispar</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) drakii</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) ephilida</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) forsteri</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) foxii</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) fraterna</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) fusca</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) futilis</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) georgiana</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) glaberrima</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) gracilis</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) hirsuta</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) hirticula</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) hornii</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) ilicis</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) inversa</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) knochii</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) latifrons</i>

May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) luctuosa</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) marginalis</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) micans</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) paternoii</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) postrema</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) profunda</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) prununculina</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) quercus</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) rugosa</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) subpruinosa</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) subtonsa</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) sylvatica</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) tristis</i>
May Beetle or June Bug, No Common Name	<i>Phyllophaga (Phyllophaga) vilifrons</i>
May Beetle or June Bug, No Common Name	<i>Phyllophagas (Phyllophagas) implicita</i>
May Beetle or June Bug, No Common Name	<i>Polyphylla comes</i>
May Beetle or June Bug, No Common Name	<i>Polyphylla occidentalis</i>
May Beetle or June Bug, No Common Name	<i>Polyphylla variolosa</i>
May Beetle or June Bug, No Common Name	<i>Serica atricapilla</i>
May Beetle or June Bug, No Common Name	<i>Serica blatchleyi</i>
May Beetle or June Bug, No Common Name	<i>Serica carolina</i>
May Beetle or June Bug, No Common Name	<i>Serica georgiana</i>
May Beetle or June Bug, No Common Name	<i>Serica imitans</i>
May Beetle or June Bug, No Common Name	<i>Serica intermixta</i>
May Beetle or June Bug, No Common Name	<i>Serica iricolor</i>
May Beetle or June Bug, No Common Name	<i>Serica lecontei</i>
May Beetle or June Bug, No Common Name	<i>Serica loxia</i>
May Beetle or June Bug, No Common Name	<i>Serica mystaca</i>
May Beetle or June Bug, No Common Name	<i>Serica opposita</i>
May Beetle or June Bug, No Common Name	<i>Serica parallela</i>
May Beetle or June Bug, No Common Name	<i>Serica sericea</i>
May Beetle or June Bug, No Common Name	<i>Serica vespertina</i>
Mayfly, No Common Name	<i>Baetis intercalaris</i>
Mayfly, No Common Name	<i>Baetis flavistriga</i>
Mayfly, No Common Name	<i>Baetisca rubescens</i>
Mayfly, No Common Name	<i>Ephemerella inconstans</i>
Mayfly, No Common Name	<i>Habrophlebiodes celeteria</i>
Mayfly, No Common Name	<i>Isonychia arida</i>
Mayfly, No Common Name	<i>Isonychia serrata</i>

Mayfly, No Common Name	<i>Isonychia tusculanensis</i>
Mayfly, No Common Name	<i>Iswaeon rubrolaterale</i>
Mayfly, No Common Name	<i>Neoephemera compressa</i>
Mayfly, No Common Name	<i>Paraleptophlebia assimilis</i>
Mayfly, No Common Name	<i>Paraleptophlebia jeanae</i>
Mayfly, No Common Name	<i>Rhithrogena anomala</i>
Mcmullens Cave Beetle	<i>Pseudanophthalmus sp. 13</i>
Midland Clubtail	<i>Gomphus fraternus</i>
Minute Moss Beetle	<i>Hydraena appalachicola</i>
Mirid Bug, No Common Name	<i>Bothynotus johnstoni</i>
Mississippi Turtle Bug	<i>Allopodops mississippiensis</i>
Mitchell Needlefly	<i>Leuctra mitchellensis</i>
Mocha Emerald	<i>Somatochlora linearis</i>
Montane Needlefly	<i>Leuctra monticola</i>
Mountain River Cruiser	<i>Macromia margarita</i>
Moustached Clubtail	<i>Hylogomphus adelphus</i>
Mud-dwelling Cave Beetle	<i>Pseudanophthalmus limicola</i>
Natural Bridge Cave Beetle	<i>Pseudanophthalmus pontis</i>
Nelson's Cave Beetle	<i>Pseudanophthalmus nelsoni</i>
Neotropical Rice Bug	<i>Stenocoris tipuloides</i>
New River Valley Cave Beetle	<i>Pseudanophthalmus egberti</i>
Newfound Willowfly	<i>Strophopteryx limata</i>
Northeastern Beach Tiger Beetle	<i>Habroscelimorpha dorsalis dorsalis</i>
Northern Bluet	<i>Enallagma annexum</i>
Northern Bush Katydid	<i>Scudderia septentrionalis</i>
Northern House Mosquito	<i>Culex pipiens pipiens</i>
Northern Masked Chafer	<i>Cyclocephala borealis</i>
Northern Pygmy Clubtail	<i>Lanthus parvulus</i>
Notched Forestfly	<i>Ostrocerca complexa</i>
Nottaway Stonefly	<i>Perlesta cranshawi</i>
Orange-bellied Tiger Beetle	<i>Cicindela abdominalis</i>
Orange Bluet	<i>Enallagma signatum</i>
Oriental Beetle	<i>Anomala orientalis</i>
Ornate Stonefly	<i>Acroneuria yuchi</i>
Overlooked Cave Beetle	<i>Pseudanophthalmus praetermissus</i>
Ox Beetle	<i>Strategus antaeus</i>
Pale Bluet	<i>Enallagma pallidum</i>
Petrunkevitch's Cave Beetle	<i>Pseudanophthalmus petrunkevitchi</i>
Philopotamid Caddisfly, No Common Name	<i>Wormaldia thyria</i>

Phlox Whitefly	<i>Trialeurodes phlogis</i>
Piedmont Clubtail	<i>Hylogomphus parvidens</i>
Pine Barrens Plant Bug	<i>Plagiognathus repetitus</i>
Pine Chafer	<i>Anomala obliqua</i>
Pitcher Plant Fly	<i>Fletcherimyia fletcheri</i>
Pitcher Plant Midge	<i>Metriocnemus knabi</i>
Predaceous Diving Beetle, No Common Name	<i>Hoperius planatus</i>
Pselaphid Beetle, No Common Name	<i>Rybaxis sp. 1</i>
Purple Tiger Beetle	<i>Cicindela purpurea</i>
Pygmy Snaketail	<i>Ophiogomphus howei</i>
Rapids Clubtail	<i>Gomphus quadricolor</i>
Red Imported Fire Ant *	<i>Solenopsis Invicta *</i>
Red-waisted Whiteface	<i>Leucorrhinia proxima</i>
Regal Darner	<i>Coryphaeschna ingens</i>
Rhea Valley Cave Beetle	<i>Pseudanophthalmus sp. 5</i>
Rhinoceros Beetle	<i>Xyloryctes jamaicensis</i>
Rhyacophilid Caddisfly, No Common Name	<i>Rhyacophila tricornuta</i>
Riffle Snaketail	<i>Ophiogomphus carolus</i>
River Jewelwing	<i>Calopteryx aequabilis</i>
Riverine Clubtail	<i>Stylurus amnicola</i>
Rock Island Springfly	<i>Isogenoides varians</i>
Rose Chafer	<i>Macrodactylus subspinosa</i>
Rosedale Cave Beetle	<i>Pseudanophthalmus sp. 43</i>
Rotund Cave Beetle	<i>Pseudanophthalmus rotundatus</i>
Rove Beetle, No Common Name	<i>Atheta annexa</i>
Rove Beetle, No Common Name	<i>Atheta trogliphila</i>
Russet-tipped Clubtail	<i>Stylurus plagiatus</i>
Rusty-patched Bumble Bee	<i>Bombus affinis</i>
Rusty Snaketail	<i>Ophiogomphus rupinsulensis</i>
Rye Cove Cave Beetle	<i>Pseudanophthalmus seclusus</i>
Sable Clubtail	<i>Stenogomphurus rogersi</i>
Saint Paul Cave Beetle	<i>Pseudanophthalmus sanctipauli</i>
Scarab Beetle, No Common Name	<i>Germarostes (Germarostes) aphodioides</i>
Scarab Beetle, No Common Name	<i>Germarostes (Germarostes) globosus</i>
Scarab Beetle, No Common Name	<i>Lichnanthe lupina</i>
Scarab Beetle, No Common Name	<i>Lichnanthe vulpina</i>
Scarab Beetle, No Common Name	<i>Ochodaeus musculus</i>
Schaum's False Snail-eating Beetle	<i>Sphaeroderus schaumii</i>
Schaum's Longhorn Beetle	<i>Stenocorus schaumii</i>

Schwarz' Diving Beetle	<i>Laccophilus schwarzi</i>
Seashore Plant Bug	<i>Pycnoderiella virginiana</i>
Sedge Sprite	<i>Nehalennia irene</i>
Seed Bug, No Common Name	<i>Botocudo modestus</i>
Seepage Dancer	<i>Argia bipunctulata</i>
Septima's Clubtail	<i>Gomphus septima</i>
Shadow Darner	<i>Aeshna umbrosa</i>
Shenandoah Needlefly	<i>Megaleuctra flinti</i>
Shenandoah Sallfly	<i>Sweltsa palearata</i>
Shield Bug, No Common Name	<i>Acantholomidea denticulata</i>
Shield Bug, No Common Name	<i>Eurygaster alternata</i>
Shield Bug, No Common Name	<i>Galgupha denudata</i>
Showalters Cave Beetle	<i>Pseudanophthalmus sp. 11</i>
Silken Cave Beetle	<i>Pseudanophthalmus sericus</i>
Sixbanded Longhorn Beetle	<i>Dryobius sexnotatus</i>
Skillet Clubtail	<i>Gomphus ventricosus</i>
Skimming Bluet	<i>Enallagma geminatum</i>
Skin Beetle (Scarab)	<i>Omorgus asper</i>
Skin Beetle (Scarab)	<i>Omorgus scabrosus</i>
Skin Beetle (Scarab)	<i>Omorgus suberosus</i>
Skin Beetle (Scarab)	<i>Omorgus tytus</i>
Skin Beetle (Scarab)	<i>Trox aequalis</i>
Skin Beetle (Scarab)	<i>Trox capillaris</i>
Skin Beetle (Scarab)	<i>Trox foveicollis</i>
Skin Beetle (Scarab)	<i>Trox hamatus</i>
Skin Beetle (Scarab)	<i>Trox scaber</i>
Skin Beetle (Scarab)	<i>Trox sordidus</i>
Skin Beetle (Scarab)	<i>Trox spinulosus</i>
Skin Beetle (Scarab)	<i>Trox terrestris</i>
Skin Beetle (Scarab)	<i>Trox tuberculatus</i>
Skin Beetle (Scarab)	<i>Trox unistriatus</i>
Skin Beetle (Scarab)	<i>Trox variolatus</i>
Skin Beetle (Scarab))	<i>Omorgus monachus</i>
Ski-tipped Emerald	<i>Somatochlora elongata</i>
Slender Bluet	<i>Enallagma traviatum</i>
Slender Spreadwing	<i>Lestes rectangularis</i>
Small Black Dung Beetle	<i>Copris minutus</i>
Small Winter Snowfly	<i>Allocapnia rickeri</i>
Smokies Needlefly	<i>Megaleuctra williamsae</i>

Smokies Snowfly	<i>Allocapnia fumosa</i>
Smoky Willowfly	<i>Bolotoperla rossi</i>
Snow Scorpionfly, No Common Name	<i>Boreus nivoriundus</i>
South Branch Valley Cave Beetle	<i>Pseudanophthalmus potomaca potomaca</i>
Southeastern Beach Tiger Beetle	<i>Cicindela dorsalis media</i>
Southeastern Myotis Bat Fly	<i>Basilia boardmani</i>
Southeastern Roachfly	<i>Tallaperla cornelia</i>
Southern Pitcher Plant Mosquito	<i>Wyeomyia haynei</i>
Southern Plains Bumble Bee	<i>Bombus fraternus</i>
Southern Pygmy Clubtail	<i>Lanthus vernalis</i>
Southern Springfly	<i>Cultus decisus isolatus</i>
Southern Sprite	<i>Nehalennia integricollis</i>
Southern Water Scorpion	<i>Ranatra australis</i>
Sparkling Jewelwing	<i>Calopteryx dimidiata</i>
Spatterdock Darner	<i>Aeshna mutata</i>
Spatulate Snowfly	<i>Allocapnia simmonsii</i>
Spectral Tiger Beetle	<i>Cicindela lepida</i>
Sphagnum Sprite	<i>Nehalennia gracilis</i>
Spieth's Great Speckled Olive Mayfly	<i>Siphloplecton costalense</i>
Spine-crowned Clubtail	<i>Hylogomphus abbreviatus</i>
Spiny Salmonfly	<i>Pteronarcys comstocki</i>
Splendid Clubtail	<i>Gomphus lineatifrons</i>
Splendid Dung Beetle	<i>Phanaeus (Phanaeus) vindex</i>
Splendid Tiger Beetle	<i>Cicindela splendida</i>
Spotted Cave Beetle	<i>Pseudanophthalmus punctatus</i>
Spotted Grape Beetle	<i>Pelidnota punctata</i>
Spotted Lanternfly *	<i>Lycorma delicatula *</i>
Spotted Spreadwing	<i>Lestes congener</i>
Spur-throat Grasshopper, No Common Name	<i>Melanoplus celatus</i>
Spur-throat Grasshopper, No Common Name	<i>Melanoplus devius</i>
Spur-throat Grasshopper, No Common Name	<i>Melanoplus pachycercus</i>
Spur-throat Grasshopper, No Common Name	<i>Melanoplus sp. 55</i>
Spur-throat Grasshopper, No Common Name	<i>Melanoplus sp. 59</i>
Squash Bug	<i>Chelinidea vittiger</i>
Stag Beetle, No Common Name	<i>Ceruchus piceus</i>
Stag Beetle, No Common Name	<i>Dorcus brevis</i>
Stag Beetle, No Common Name	<i>Dorcus parallelus</i>
Stag Beetle, No Common Name	<i>Lucanus capreolus</i>
Stag Beetle, No Common Name	<i>Nicagus obscurus</i>

Stag Beetle, No Common Name (Scarab)	<i>Platycerus virescens</i>
St. Croix Snaketail	<i>Ophiogomphus susbehcha</i>
Straley's Cave Beetle	<i>Pseudanophthalmus quadratus</i>
Strawberry Stonefly	<i>Acroneuria kirchneri</i>
Stream Bluet	<i>Enallagma exsulans</i>
Stygian Shadowdragon	<i>Neurocordulia yamaskanensis</i>
Superb Jewelwing	<i>Calopteryx amata</i>
Swamp Forestfly	<i>Prostoia hallasi</i>
Swamp Spreadwing	<i>Lestes vigilax</i>
Swamp Stonefly	<i>Perlesta durfeeii</i>
Swannanoa Sallfly	<i>Alloperla nanina</i>
Tarter's Ameletus Mayfly	<i>Ameletus tarteri</i>
Teays Stonefly	<i>Perlesta teaysia</i>
Tennessee Sallfly	<i>Alloperla neglecta</i>
Thin-neck Cave Beetle	<i>Pseudanophthalmus parvicollis</i>
Thomas' Cave Beetle	<i>Pseudanophthalmus thomasi</i>
Tiger Beetle, No Common Name	<i>Cicindela ancocisconensis</i>
Tiger Beetle, No Common Name	<i>Cicindela formosa generosa</i>
Tiger Beetle, No Common Name	<i>Cicindela gratiosa</i>
Tiger Beetle, No Common Name	<i>Cicindela limbalis</i>
Tiger Beetle, No Common Name	<i>Cicindela trifasciata</i>
Tiger Spiketail	<i>Cordulegaster erronea</i>
Treetop Emerald	<i>Somatochlora provocans</i>
Triceratops Beetle	<i>Phileurus truncatus</i>
Tufted Sallfly	<i>Alloperla banksi</i>
Tule Bluet	<i>Enallagma carunculatum</i>
Turquoise Bluet	<i>Enallagma divagens</i>
Turtle Bug, No Common Name	<i>Oncozygia clavicornis</i>
Twin-spotted Spiketail	<i>Cordulegaster maculata</i>
Two-striped Forceptail	<i>Aphylla williamsoni</i>
Variable Cuckoo Bumble Bee	<i>Bombus variabilis</i>
Variiegated Meadowhawk	<i>Sympetrum corruptum</i>
Vernal Sallfly	<i>Alloperla ideii</i>
Vesper Bluet	<i>Enallagma vesperum</i>
Vicariant Cave Beetle	<i>Pseudanophthalmus vicarius</i>
Violet Dancer	<i>Argia fumipennis violacea</i>
Virginia Piedmont Water Boatman	<i>Sigara depressa</i>
Virginia Sallfly	<i>Sweltsa voshelli</i>
Virginia Springfly	<i>Diploperla morgani</i>

Virginia Stonefly	<i>Acroneuria kosztarabi</i>
Watauga Springfly	<i>Yugus kondratieffi</i>
Water Scavenger Beetle, No Common Name	<i>Hydrobiomorpha casta</i>
Water Scorpion, No Common Name	<i>Nepa apiculata</i>
Water Strider, No Common Name	<i>Limnopus dissortis</i>
White Corporal Skimmer	<i>Ladona exusta</i>
White Sand-river Mayfly	<i>Pseudiron centralis</i>
White-faced Meadowhawk	<i>Sympetrum obtrusum</i>
Widecollar Stonefly	<i>Paragnetina ichusa</i>
Williamson's Emerald	<i>Somatochlora williamsoni</i>
Winter Stonefly	<i>Taeniopteryx maura</i>
Wytheville Cave Beetle	<i>Pseudanophthalmus sp. 6</i>
Yellow Bumble Bee	<i>Bombus fervidus</i>
Yellow-banded Bumble Bee	<i>Bombus terricola</i>
Zebra Clubtail	<i>Stylurus scudderi</i>
<u>DIPLURANS AND SPRINGTAILS:</u>	
Barr's Cave Springtail	<i>Sinella barri</i>
Cave Dipluran, No Common Name (Salamander Cave)	<i>Litocampa sp. 1</i>
Cave Dipluran, No Common Name	<i>Litocampa sp. 2</i>
Cave Dipluran, No Common Name	<i>Litocampa sp. 3</i>
Cave Dipluran, No Common Name	<i>Litocampa sp. 4</i>
Cave Dipluran, No Common Name	<i>Litocampa sp. 5</i>
Cave Obligate Springtail, No Common Name	<i>Pseudosinella hirsuta</i>
Cave Springtail, No Common Name	<i>Arrhopalites caedus</i>
Cave Springtail, No Common Name	<i>Arrhopalites carolynae</i>
Cave Springtail, No Common Name	<i>Arrhopalites clarus</i>
Cave Springtail, No Common Name	<i>Arrhopalites commorus</i>
Cave Springtail, No Common Name	<i>Arrhopalites lacuna</i>
Cave Springtail, No Common Name	<i>Arrhopalites marshalli</i>
Cave Springtail, No Common Name	<i>Arrhopalites pavo</i>
Cave Springtail, No Common Name	<i>Arrhopalites sacer</i>
Cave Springtail, No Common Name	<i>Arrhopalites silvus</i>
Cave Springtail, No Common Name	<i>Oncopodura hubbardi</i>
Cave Springtail, No Common Name	<i>Paleonura petebellingeri</i>
Cave Springtail, No Common Name	<i>Pseudosinella bona</i>
Cave Springtail, No Common Name	<i>Pseudosinella erewhon</i>
Cave Springtail, No Common Name	<i>Pseudosinella extra</i>

Cave Springtail, No Common Name	<i>Pseudosinella gisini</i>
Cave Springtail, No Common Name	<i>Pseudosinella granda</i>
Cave Springtail, No Common Name	<i>Pseudosinella orba</i>
Cave Springtail, No Common Name	<i>Pseudosinella sp. 2</i>
Cave Springtail, No Common Name	<i>Pseudosinella sp. 3</i>
Cave Springtail, No Common Name	<i>Pseudosinella sp. 4</i>
Cave Springtail, No Common Name	<i>Pygmarrhopalites caedus</i>
Cave Springtail, No Common Name	<i>Pygmarrhopalites commorus</i>
Cave Springtail, No Common Name	<i>Pygmarrhopalites lacuna</i>
Cave Springtail, No Common Name	<i>Pygmarrhopalites obtusus</i>
Cave Springtail, No Common Name	<i>Pygmarrhopalites sacer</i>
Cave Springtail, No Common Name	<i>Pygmarrhopalites sextus</i>
Cave Springtail, No Common Name	<i>Pygmarrhopalites silvus</i>
Cave Springtail, No Common Name	<i>Schaefferia hubbardi</i>
Cave Springtail, No Common Name	<i>Speleonura kenchristianseni</i>
Cave Springtail, No Common Name	<i>Typhlogastrura valentini</i>
Cooke's Cave Dipluran	<i>Litocampa cookei</i>
Fielding's Cave Dipluran	<i>Litocampa fieldingi</i>
Hoffman's Cave Springtail	<i>Sinella hoffmani</i>
Puckett's Cave Dipluran	<i>Litocampa pucketti</i>
Springtail, No Common Name	<i>Arrhopalites benitus</i>
<u>ARACHNIDS:</u>	
Amaurobiid Spider, No Common Name	<i>Amaurobius borealis</i>
American Dog Tick	<i>Dermacentor variabilis</i>
Atlantic Purse-web Spider	<i>Sphodros atlanticus</i>
Black And Yellow Spider	<i>Argiope aurantia</i>
Brown Dog Tick	<i>Rhipicephalus sanguineus</i>
Carolina Scorpion	<i>Vaejovis carolinianus</i>
Cave Mite, No Common Name	<i>Foveacheles paralleloseta</i>
Cave Mite, No Common Name	<i>Rhagidia varia</i>
Cave Pseudoscorpion, No Common Name	<i>Apochthonius coecus</i>
Cave Pseudoscorpion, No Common Name	<i>Apochthonius holsingeri</i>
Cave Pseudoscorpion, No Common Name	<i>Chitrella sp. 1</i>
Cave Pseudoscorpion, No Common Name	<i>Chitrella superba</i>
Cave Pseudoscorpion, No Common Name	<i>Kleptochthonius anophthalmus</i>
Cave Pseudoscorpion, No Common Name	<i>Kleptochthonius binoculatus</i>
Cave Pseudoscorpion, No Common Name	<i>Kleptochthonius gertschi</i>

Cave Pseudoscorpion, No Common Name	<i>Kleptochthonius lutzi</i>
Cave Pseudoscorpion, No Common Name	<i>Kleptochthonius proximosetus</i>
Cave Pseudoscorpion, No Common Name	<i>Kleptochthonius regulus</i>
Cave Pseudoscorpion, No Common Name	<i>Kleptochthonius similis</i>
Cave Pseudoscorpion, No Common Name	<i>Kleptochthonius sp. 1</i>
Cave Pseudoscorpion, No Common Name	<i>Mundochthonius holsingeri</i>
Cave Spider, No Common Name	<i>Islandiana muma</i>
Cave Spider, No Common Name	<i>Nesticus mimus</i>
Cave Spider, No Common Name	<i>Nesticus paynei</i>
Cave Spider, No Common Name	<i>Nesticus tennesseeensis</i>
Clover Mite, No Common Name	<i>Bryobia praetiosa</i>
Coyle's Cave Spider	<i>Anthrobia coylei</i>
Coyle's Purse-web Spider	<i>Sphodros coylei</i>
Crablike Spiny Orb Weaver	<i>Gasteracantha cancriformis</i>
Elegant Crab Spider	<i>Xysticus elegans</i>
Emerton's Crab Spider	<i>Xysticus emertoni</i>
Fishing Spider, No Common Name	<i>Dolomedes scriptus</i>
Fishing Spider, No Common Name	<i>Dolomedes vittatus</i>
Funnel-web Spider, No Common Name	<i>Agelenopsis pennsylvanica</i>
Funnel-web Spider, No Common Name	<i>Barronopsis jefferesi</i>
Gertsch's Lampshade-web Spider	<i>Hypochilus gertschi</i>
Gnaphosid Spider, No Common Name	<i>Drassyllus louisianus</i>
Gnaphosid Spider, No Common Name	<i>Gnaphosa fontinalis</i>
Harvestman, No Common Name	<i>Erebomaster acanthina</i>
Harvestman, No Common Name	<i>Erebomaster sp. A</i>
Holsinger's Cave Spider	<i>Nesticus holsingeri</i>
Jumping Spider, No Common Name	<i>Metaphidippus protervus</i>
Lone Star Tick	<i>Amblyomma americanum</i>
Mite, No Common Name	<i>Androlaelaps sp. A</i>
Mite, No Common Name	<i>Eugamasus sp. A</i>
Mite, No Common Name	<i>Hupoaspis sp. A</i>
Mite, No Common Name	<i>Pergamasus sp. A</i>
Mite, No Common Name	<i>Poecilophysis extraneostella</i>
Mite, No Common Name	<i>Poecilophysis weyerensis</i>
Mite, No Common Name	<i>Robustocheles hilli</i>
Nursery-web Spider, No Common Name	<i>Pisaurina dubia</i>
Pocock's Lampshade-web Spider	<i>Hypochilus pococki</i>
Pseudoscorpion, No Common Name	<i>Apochthonius sp. A</i>
Pseudoscorpion, No Common Name	<i>Chitrella cavicola</i>

Pseudoscorpion, No Common Name	<i>Hesperochernes mirabilis</i>
Pseudoscorpion, No Common Name	<i>Hesperochernes sp. A</i>
Pseudoscorpion, No Common Name	<i>Kleptochthonius sp. B</i>
Rabbit Tick	<i>Haemaphysalis leporispalustris</i>
Red-legged Purse-web Spider	<i>Sphodros rufipes</i>
Robust Trapdoor Spider	<i>Antrodiaetus robustus</i>
Shenandoah Pseudoscorpion	<i>Kleptochthonius polychaetus</i>
Southeastern Wandering Spider	<i>Anahita punctulata</i>
Southern Black Widow Spider	<i>Latrodectus mactens</i>
Spider, No Common Name	<i>Achaearanea tepidariorum</i>
Spider, No Common Name	<i>Anthrobia monmouthia</i>
Spider, No Common Name	<i>Bathyphantes weyeri</i>
Spider, No Common Name	<i>Calymmaria cavicola</i>
Spider, No Common Name	<i>Centromerus latidens</i>
Spider, No Common Name	<i>Cicurina pallida</i>
Spider, No Common Name	<i>Eidmannella pallida</i>
Spider, No Common Name	<i>Liocranoides sp. A</i>
Spider, No Common Name	<i>Liocranoides unicolor</i>
Spider, No Common Name	<i>Nesticus carteri</i>
Spider, No Common Name	<i>Nesticus sp. A</i>
Spider, No Common Name	<i>Phanetta subterranea</i>
Spider, No Common Name	<i>Porrhomma cavernicolum</i>
Spruce-fir Moss Spider	<i>Microhexura montivaga</i>
Thorell's Lampshade-web Spider	<i>Hypochilus thorelli</i>
Threebanded Crab Spider	<i>Xysticus triguttatus</i>
Tick, No Common Name	<i>Ixodes cookei</i>
Two-clawed Hunting Spider, No Common Name	<i>Castianeira trilineata</i>
Two-clawed Hunting Spider, No Common Name	<i>Clubiona spiralis</i>
Valentine's Cave Pseudoscorpion	<i>Lissocreagris valentinei</i>
Winter Tick	<i>Dermacentor albipictus</i>
Wolf Spider, No Common Name	<i>Eycosa avida</i>
Wolf Spider, No Common Name	<i>Lycosa lenta</i>
<u>PLANARIANS:</u>	
Bigger's Groundwater Planarian	<i>Sphalloplana subtilis</i>
Chandler's Planarian	<i>Sphalloplana chandleri</i>
Flatworm, No Common Name	<i>Geocentrophora cavernicola</i>
Flatworm, No Common Name	<i>Geocentrophora spp. A</i>

Groundwater Planarian, No Common Name	<i>Sphalloplana hypogea</i>
Groundwater Planarian, No Common Name	<i>Procotyla typhlops</i>
Holsinger's Groundwater Planarian	<i>Sphalloplana holsingeri</i>
Planarian, No Common Name	<i>Phagocata gracilis</i>
Planarian, No Common Name	<i>Phagocata morgani</i>
Planarian, No Common Name	<i>Sphalloplana percoeca</i>
Planarian, No Common Name	<i>Sphalloplana spp. A</i>
Powell Valley Planarian	<i>Sphalloplana consimilis</i>
Rockbridge County Cave Planarian	<i>Sphalloplana virginiana</i>
<u>ANNELIDS:</u>	
Branchiobdelid Worm, No Common Name	<i>Ankyrodrius legacus</i>
Branchiobdelid Worm, No Common Name	<i>Ankyrodrius legacus</i>
Branchiobdelid Worm, No Common Name	<i>Cambarincola fallax</i>
Cave Lumbriculid Worm, No Common Name	<i>Stylodrilus beattiei</i>
Cave Obligate Worm, No Common Name	<i>Cambarincola fallax</i>
Oligochaete Worm, No Common Name	<i>Bdellodrilus illuminatus</i>
Oligochaete Worm, No Common Name	<i>Allolobophora chlorotica</i>
Oligochaete Worm, No Common Name	<i>Allolobophora turgida</i>
Oligochaete Worm, No Common Name	<i>Bimastos tumidus</i>
Oligochaete Worm, No Common Name	<i>Cambarincola philadephicus</i>
Oligochaete Worm, No Common Name	<i>Cambarincola spp. A</i>
Oligochaete Worm, No Common Name	<i>Dendrobaena rubida</i>
Oligochaete Worm, No Common Name	<i>Eisenia rosea</i>
Oligochaete Worm, No Common Name	<i>Eiseniella tetraedra</i>
Oligochaete Worm, No Common Name	<i>Lumbriculis spp. A</i>
Oligochaete Worm, No Common Name	<i>Octolasion lacteum</i>
Oligochaete Worm, No Common Name	<i>Oedipodrilus macbaini</i>
Oligochaete Worm, No Common Name	<i>Spelaedrilus multiporus</i>
Oligochaete Worm, No Common Name	<i>Xironodrilus formosus</i>
Oligochaete Worm, No Common Name	<i>Xironogiton instabilis</i>
Tubificid Worm, No Common Name	<i>Enchytraeid spp. A</i>

4VAC15-20-130. Endangered and threatened species; adoption of federal list; additional species enumerated.

SUMMARY:

The recommendation is to adopt the most current federal list of endangered and threatened wildlife species and update the associated reference date.

RECOMMENDED LANGUAGE OF AMENDMENT:

4VAC15-20-130. Endangered and threatened species; adoption of federal list; additional species enumerated.

- 1 A. The board hereby adopts the Federal Endangered and Threatened Species List, Endangered
2 Species Act of December 28, 1973 (16 USC §§ 1531-1543), as amended as of ~~December 28,~~
3 ~~2022~~ [~~April 1, 2024~~ ~~October 10, 2024~~] and declares all species listed thereon to be endangered
4 or threatened species in the Commonwealth. Pursuant to subdivision 12 of § 29.1-103 of the
5 Code of Virginia, the director of the department is hereby delegated authority to propose
6 adoption of modifications and amendments to the Federal Endangered and Threatened Species
7 List in accordance with the procedures of §§ 29.1-501 and 29.1-502 of the Code of Virginia.
8 B. In addition to the provisions of subsection A of this section, the following species are declared
9 endangered or threatened in this Commonwealth, and are afforded the protection provided by
10 Article 6 (§ 29.1-563 et seq.) of Chapter 5 of Title 29.1 of the Code of Virginia:

1. Fish:

Endangered

Dace, Clinch	Chrosomus sp. cf. saylori
Dace, Tennessee	Phoxinus tennesseensis
Darter, sharphead	Etheostoma acuticeps
Darter, variegate	Etheostoma variatum
Sunfish, blackbanded	Enneacanthus chaetodon

Threatened:

Darter, Carolina	Etheostoma collis
Darter, golden	Etheostoma denoncourti
Darter, greenfin	Etheostoma chlorbranchium
Darter, western sand	Ammocrypta clara
Madtom, orangefin	Noturus gilberti
Paddlefish	Polyodon spathula

Shiner, emerald	<i>Notropis atherinoides</i>
Shiner, steelcolor	<i>Cyprinella whipplei</i>
Shiner, whitemouth	<i>Notropis alborus</i>

2. Amphibians:

Endangered:

Salamander, eastern tiger	<i>Ambystoma tigrinum</i>
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Threatened:

Salamander, Mabee's	<i>Ambystoma mabeei</i>
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3. Reptiles:

Endangered:

Rattlesnake, canebrake (Coastal Plain population of timber rattlesnake)	<i>Crotalus horridus</i>
Turtle, bog	<i>Glyptemys muhlenbergii</i>
Turtle, eastern chicken	<i>Deirochelys reticularia reticularia</i>

Threatened:

Lizard, eastern glass	<i>Ophisaurus ventralis</i>
Turtle, wood	<i>Glyptemys insculpta</i>

4. Birds:

Endangered:

Plover, Wilson's	<i>Charadrius wilsonia</i>
Rail, black	<i>Laterallus jamaicensis</i>
Woodpecker, red-cockaded	<i>Dryobates borealis</i>
Wren, Bewick's	<i>Thryomanes bewickii bewickii</i>

Threatened:

Falcon, peregrine	<i>Falco peregrinus</i>
Shrike, loggerhead	<i>Lanius ludovicianus</i>
Sparrow, Bachman's	<i>Aimophila aestivalis</i>
Sparrow, Henslow's	<i>Ammodramus henslowii</i>
Tern, gull-billed	<i>Sterna nilotica</i>

5. Mammals:

Endangered:

Bat, Rafinesque's eastern big-eared	<i>Corynorhinus rafinesquii macrotis</i>
Bat, little brown	<i>Myotis lucifugus</i>
Bat, tri-colored	<i>Perimyotis subflavus</i>
Hare, snowshoe	<i>Lepus americanus</i>
Shrew, American water	<i>Sorex palustris</i>
Vole, rock	<i>Microtus chrotorrhinus</i>

6. Mollusks:

Endangered:

Coil, rubble	<i>Helicodiscus lirellus</i>
Coil, shaggy	<i>Helicodiscus diadema</i>
Deertoe	<i>Truncilla truncata</i>
Elephantear	<i>Elliptio crassidens</i>
Elimia, spider	<i>Elimia arachnoidea</i>
Floater, brook	<i>Alasmidonta varicosa</i>
Ghostsail, thankless	<i>Holsingeria unthinksensis</i>
Heelsplitter, Tennessee	<i>Lasmigona holstonia</i>
Lilliput, purple	<i>Toxolasma lividus</i>
Mussel, slippershell	<i>Alasmidonta viridis</i>
Pigtoe, Ohio	<i>Pleurobema cordatum</i>
Pigtoe, pyramid	<i>Pleurobema rubrum</i>
Springsnail, Appalachian	<i>Fontigens bottimeri</i>
Springsnail (no common name)	<i>Fontigens morrisoni</i>
Supercoil, spirit	<i>Paravitrea hera</i>

Threatened:

Floater, green	<i>Lasmigona subviridis</i>
Papershell, fragile	<i>Leptodea fragilis</i>
Pimpleback	<i>Quadrula pustulosa pustulosa</i>
Pistolgrip	<i>Tritogonia verrucosa</i>
Riversnail, spiny	<i>Ioflualis</i>
Sandshell, black	<i>Ligumia recta</i>
Supercoil, brown	<i>Paravitrea septadens</i>

7. Arthropods:

Threatened:

Amphipod, Madison Cave	Stygobromus stegerorum
Pseudotremia, Ellett Valley	Pseudotremia cavernarum
Xystodesmid, Laurel Creek	Sigmoria whiteheadi

11 C. It shall be unlawful to take, transport, process, sell, or offer for sale within the Commonwealth
 12 any threatened or endangered species of fish or wildlife except as authorized by law.

13 D. The incidental take of certain species may occur in certain circumstances and with the
 14 implementation of certain conservation practices as described in this subsection:

Species	Location	Allowable Circumstances	Required Conservation Measures	Expected Incidental Take
Little brown bat	Statewide	Human health risk – need for removal of individual animals from human-habited structures.	Between May 15 and August 31, no exclusion of bats from maternity colonies, except for human health concerns. department-permitted nuisance wildlife control operator with department-recognized certification in techniques associated with removal of bats. Use of exclusion devices that allow individual animals to escape. Manual collection of individual animals incapable of sustaining themselves; transport to a willing and appropriately permitted wildlife rehabilitator.	Little to no direct lethal taking expected.
Tri-colored bat		Public safety or property damage risk –	Hibernacula: no tree removal, use of prescribed fire, or other	Little to no direct lethal

		<p>need for tree removal, application of prescribed fire, or other land management actions affecting known roosts; removal of animals from known roosts.</p>	<p>land management action within a 250-foot radius buffer area from December 1 through April 30. Between September 1 and November 30, increase the buffer to a 1/4-mile radius with the following conditions: for timber harvests greater than 20 acres, retain snags and wolf trees (if not presenting public safety or property risk) and small tree groups up to 15 trees of 3-inch diameter at breast height (dbh) or greater, one tree group per 20 acres. Otherwise, document the need (public safety, property damage risk) for tree removal during this period and verify that no known roost trees exist in the buffer area. Tree removal and prescribed fire are permitted outside of these dates.</p> <p>Known roost trees: no tree removal, use of prescribed fire, or other land management action within a 150-foot radius buffer area from June 1 through July 31, if possible. Otherwise,</p>	<p>taking expected.</p>
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			<p>document public safety or property damage risk.</p> <p>department-permitted nuisance wildlife control operator with department-recognized certification in techniques associated with removal of bats.</p> <p>Use of exclusion devices that allow individual animals to escape.</p> <p>Manual collection of individual animals incapable of sustaining themselves; transport to a willing and appropriately permitted wildlife rehabilitator.</p>	
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RATIONALE:

Adoption of the updated and modified federal list of endangered and threatened wildlife species: Maintaining the currency of the Board’s adoption of the federal list is essential to clarifying the state and federal status of each affected species, ensuring compliance with our Cooperative Agreements with the U.S. Fish and Wildlife Service (FWS) and the National Marine Fisheries Service regarding interagency management of these species and maintaining regulatory certainty about the status of the species in Virginia. Note that when this update was first proposed, the federal list reference date was April 1, 2024. However, since that time, the FWS has performed additional rule-making, necessitating a new reference date of October 10, 2024.